Feed Check Sample No. - 200722 Preconditioning/Receiving Chow, Medicate
Association of American Feed Control Officials

Method	AOAC 18th	Method Code	- Pass 1 Results for 194 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 194 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
NPN, Urea + Am, Urease Method.....	941.04	000.01	1	2.75000	0.07071	0.10000	1	2.75000	0.07071	0.10000
Urea, Misc		000.99	1	2.06000	0.04243	0.06000	1	2.06000	0.04243	0.06000
Method Group 000.XX PCT			2	2.40500	0.40121	0.08000	2	2.40500	0.40121	0.08000
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	7	8.25429	0.34328	0.08286	7	8.25429	0.34328	0.08286
Loss on Drying, ISO 6496		001.03	4	8.38750	0.14772	0.02500	4	8.38750	0.14772	0.02500
Loss on Drying, 104 deg 3 hr, in malt .	935.29	001.07	39	8.24624	0.37186	0.11444	36	8.26509	0.31560	0.08286
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	2	8.35750	0.47724	0.24500	2	8.35750	0.47724	0.24500
Loss on Drying, Misc		001.99	12	8.36083	0.34608	0.17167	11	8.35909	0.35010	0.13273
Method Group 001.XX PCT			64	8.28091	0.35651	0.12020	60	8.29231	0.32117	0.09355
Protein, Crude	954.01	002.00	4	12.7163	0.25031	0.13250	4	12.7163	0.25031	0.13250
Protein, Auto Kjel-Foss	976.05	002.01	10	12.0293	0.34905	0.17813	10	12.0293	0.34905	0.17813
Protein, Semiauto Autoanalyzer	976.06	002.02	10	12.2771	0.26221	0.12820	9	12.3251	0.20866	0.08133
Protein, Hach Method		002.03	3	12.2550	0.47660	0.33000	3	12.2550	0.47660	0.33000
Protein, Copper Cat	984.13	002.04	2	12.5625	0.88319	0.08500	2	12.5625	0.88319	0.08500
Protein, Copper, Boric Acid		002.05	23	12.3174	0.34729	0.12788	23	12.3174	0.34729	0.12788
Protein, Combustion Nitrogen Analyzer	990.03	002.06	117	12.3215	0.50654	0.21369	113	12.3343	0.49901	0.18284
Protein, Cu/Ti	988.05	002.08	7	12.0987	0.42923	0.30943	6	12.1803	0.31355	0.15617
Protein, Block dig/distillation		002.10	6	12.4325	0.62992	0.29500	6	12.4325	0.62992	0.29500
Protein, NIR		002.11	8	12.7263	0.53578	0.41000	7	12.6500	0.43849	0.25143
Protein, Misc		002.99	2	12.5575	0.11354	0.12500	2	12.5575	0.11354	0.12500
Method Group 002.XX PCT			192	12.3278	0.48684	0.20918	185	12.3372	0.47051	0.17580
Fat, Eth Ext, Direct	920.39	003.00	29	2.10086	0.19439	0.09738	27	2.08722	0.15385	0.09126
Fat, In Fish Meal	948.04	003.04	1	1.93000	0.08485	0.12000	1	1.93000	0.08485	0.12000
Fat, Pet Ether		003.06	24	1.89429	0.15110	0.05317	22	1.89127	0.15455	0.04027
Fat, Soxtec, Eth Ext		003.09	29	1.94353	0.17166	0.10192	28	1.94376	0.16785	0.08735
Fat, Soxtec, Pet Ether		003.10	33	1.88712	0.21224	0.06996	30	1.87854	0.21010	0.04223
Fat, NIR		003.11	8	1.49688	0.16148	0.12875	8	1.49688	0.16148	0.12875
Fat, Hexane Ext.		003.12	6	2.00167	0.14659	0.09000	6	2.00167	0.14659	0.09000
Fat, Soxtec, Hexane Ext.		003.13	3	1.96350	0.29577	0.15167	3	1.96350	0.29577	0.15167
Fat, Ankom		003.14	11	1.85636	0.22992	0.11091	10	1.84100	0.22780	0.08400
Fat, Misc		003.99	3	1.95833	0.19271	0.05667	3	1.95833	0.19271	0.05667
Method Group 003.XX PCT			147	1.92602	0.22835	0.08775	138	1.91909	0.22115	0.07404
Fiber, Crude Asbestos Free	962.09	004.00	26	24.9428	1.30372	0.34140	24	24.8297	1.23971	0.22651
Fiber, Sing Filt		004.01	2	26.5025	0.57881	0.30500	2	26.5025	0.57881	0.30500
Fiber, Fritted Glass	978.10	004.03	4	24.8488	0.59672	0.40250	4	24.8488	0.59672	0.40250
Fiber, Fibertec		004.06	27	25.0753	0.86654	0.34647	27	25.0753	0.86654	0.34647
Fiber, ANKOM		004.07	45	25.0195	1.24480	0.36013	43	24.9756	1.22637	0.30177
Fiber, NIR		004.11	9	23.5350	0.47826	0.56111	9	23.5350	0.47826	0.56111
Fiber, Misc		004.99	3	24.2233	0.60721	0.31333	3	24.2233	0.60721	0.31333

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Method Group 004.XX PCT			116	24.8992	1.18292	0.36765	112	24.8552	1.15525	0.32122
Ash,	942.05	005.00	121	8.58854	0.16639	0.06669	112	8.59086	0.16003	0.05056
Ash, LECO		005.02	1	8.70000	0.14142	0.20000	1	8.70000	0.14142	0.20000
Ash, NIR		005.11	5	8.52800	0.22734	0.04400	5	8.52800	0.22734	0.04400
Ash, Misc		005.99	7	8.64571	0.17797	0.12857	7	8.64571	0.17797	0.12857
Method Group 005.XX PCT			134	8.59010	0.16955	0.07007	125	8.59229	0.16419	0.05586
Fiber, Acid Detergent	973.18	008.02	18	34.5119	1.82895	0.37722	18	34.5119	1.82895	0.37722
Fiber, Acid Detergent-Hach		008.05	1	34.0500	0.21213	0.30000	1	34.0500	0.21213	0.30000
Fiber, Acid Detergent by ANKOM		008.08	20	34.1980	1.31949	0.57700	19	34.1611	1.31974	0.49158
Fiber, Acid Detergent Misc		008.99	6	33.6833	1.29620	0.34667	6	33.6833	1.29620	0.34667
Method Group 008.XX PCT			45	34.2517	1.53614	0.46022	44	34.2369	1.54152	0.42068
Fiber, Neutral Det-ENZ Pretreat		009.07	17	45.6926	2.22708	0.50088	17	45.6926	2.22708	0.50088
Fiber, Neutral Detergent by ANKOM		009.09	16	45.0131	1.40415	0.51625	15	45.0437	1.39789	0.36200
Fiber, Neutral Det Misc		009.99	3	46.7500	2.45923	1.10000	3	46.7500	2.45923	1.10000
Method Group 009.XX PCT			36	45.4787	1.96169	0.55764	35	45.5051	1.96883	0.49271
Moisture, NIR		010.11	7	8.61714	0.67284	0.13143	6	8.40417	0.42455	0.08167
Moisture, Misc		010.99	12	8.47738	1.01132	0.11108	12	8.47738	1.01132	0.11108
Method Group 010.XX PCT			19	8.52887	0.89415	0.11858	18	8.45297	0.85439	0.10128
Loss on Drying, 135 deg 2 hr	930.15	011.01	72	9.34207	0.31031	0.09184	67	9.34201	0.30916	0.07037
Loss on Drying, High Temp Methods, Misc		011.99	1	8.57500	0.06364	0.09000	1	8.57500	0.06364	0.09000
Method Group 011.XX PCT			73	9.33156	0.32093	0.09182	68	9.33073	0.32059	0.07065
Starch, Polarimetric (Ewers)		012.00	9	13.2472	0.63200	0.21667	9	13.2472	0.63200	0.21667
Starch, Megazyme		012.01	2	12.6925	1.17017	0.68500	2	12.6925	1.17017	0.68500
Starch, Enzymatic		012.03	2	11.9400	1.42494	1.07000	2	11.9400	1.42494	1.07000
Starch, YSI Analyzer		012.04	5	13.9330	1.70518	0.14200	5	13.9330	1.70518	0.14200
Method Group 012.XX PCT			18	13.2308	1.26398	0.34278	18	13.2308	1.26398	0.34278
Fat, Mojonnier, Bak Ext	954.02	013.02	17	2.77824	0.44382	0.11529	17	2.77824	0.44382	0.11529
Fat, Soxtec-Acid Hydrolysis		013.10	16	2.43097	0.35897	0.19144	16	2.43097	0.35897	0.19144
Fat, Ankon-Acid Hydrolysis		013.13	1	3.26500	0.06364	0.09000	1	3.26500	0.06364	0.09000
Fat, Pretreat or extended ext, misc		013.99	1	2.80000	0.14142	0.20000	1	2.80000	0.14142	0.20000
Method Group 013.XX PCT			35	2.63401	0.44063	0.15180	35	2.63401	0.44063	0.15180
Aluminum, ICP		015.00	10	57.3910	7.91656	3.62550	9	56.2678	7.19140	2.58389
Method Group 015.XX PPM			10	57.3910	7.91656	3.62550	9	56.2678	7.19140	2.58389
Arsenic, AA, Hydride		016.00	2	0.25025	0.10205	0.08850	2	0.25025	0.10205	0.08850
Method Group 016.XX PPM			2	0.25025	0.10205	0.08850	2	0.25025	0.10205	0.08850
Boron, ICP		017.00	7	10.7529	1.76573	0.64286	6	10.7367	1.85532	0.36667
Boron, Misc		017.99	1	10.7500	0.07071	0.10000	1	10.7500	0.07071	0.10000
Method Group 017.XX PPM			8	10.7525	1.64391	0.57500	7	10.7386	1.70677	0.32857
Cadmium, ICP		018.02	2	0.10150	0.00520	0.00600	2	0.10150	0.00520	0.00600

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Method Group 018.XX PPM			2	0.10150	0.00520	0.00600	2	0.10150	0.00520	0.00600
Calcium, Ox-Mn04 Vol	927.02	019.00	13	0.78008	0.05120	0.01605	12	0.77134	0.04131	0.01156
Calcium, At Abs Spect	968.08	019.01	53	0.76500	0.06044	0.01934	52	0.76597	0.05944	0.01644
Calcium, Semiauto (Autoanalyzer)		019.03	5	0.80470	0.06205	0.02860	6	0.83558	0.09139	0.02383
Calcium, ICP, Dry Ash		019.05	41	0.77667	0.03663	0.02215	39	0.77598	0.03429	0.01764
Calcium, EDTA		019.08	6	0.76685	0.04971	0.02197	6	0.76685	0.04971	0.02197
Calcium, ICP, Wet Ash		019.09	24	0.80101	0.05917	0.02565	24	0.80101	0.05917	0.02565
Calcium, Misc		019.99	4	0.75963	0.01802	0.01425	4	0.75963	0.01802	0.01425
Method Group 019.XX PCT			146	0.77683	0.05376	0.02116	142	0.77632	0.05232	0.01851
Chromium, AA		020.00	1	6.40000	0.00000	0.00000	1	6.40000	0.00000	0.00000
Chromium, ICP		020.01	7	11.6713	5.18245	1.43171	7	11.6713	5.18245	1.43171
Chromium, Misc		020.99	1	15.6000	0.42426	0.60000	1	15.6000	0.42426	0.60000
Method Group 020.XX PPM			9	11.5221	5.06065	1.18022	9	11.5221	5.06065	1.18022
Cobalt, AA	968.08	021.01	4	1.94700	0.25935	0.17200	4	1.94700	0.25935	0.17200
Cobalt, ICP		021.02	13	1.62669	0.34326	0.12062	13	1.62669	0.34326	0.12062
Cobalt, Misc.		021.99	3	1.83183	0.34225	0.21220	3	1.83183	0.34225	0.21220
Method Group 021.XX PPM			20	1.72153	0.34773	0.14463	20	1.72153	0.34773	0.14463
Copper, AA	968.08	022.01	31	15.8556	5.04235	1.76081	30	15.7842	5.05804	1.55283
Copper, ICP, Dry Ash	968.08	022.03	34	16.3295	5.46785	1.99209	32	15.7270	4.72756	1.35659
Copper, ICP, Wet Ash	968.08	022.05	25	24.1262	3.29097	2.12760	24	23.9856	3.15041	1.84125
Copper, Misc		022.99	4	17.3964	5.85465	2.08358	4	17.3964	5.85465	2.08358
Method Group 022.XX PPM			94	18.2922	5.96914	1.95575	90	18.0225	5.77595	1.58356
Fluorine, Ion Sel Elect	975.08	023.01	1	0.00250	0.00071	0.00100	1	0.00250	0.00071	0.00100
Iron, AA	968.08	025.01	22	264.000	32.9784	9.38545	20	260.581	30.6735	6.76250
Iron, ICP, Dry Ash	968.08	025.03	32	265.884	30.5139	14.8414	30	264.393	29.4256	11.3308
Iron, ICP, Wet Ash	968.08	025.05	18	265.103	38.8488	10.9383	16	264.365	39.6031	7.55562
Iron, Misc		025.99	1	269.000	4.24264	6.00000	1	269.000	4.24264	6.00000
Method Group 025.XX PPM			73	265.166	33.0505	12.1136	67	263.317	32.0816	8.98604
Lead, Misc		026.99	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Magnesium, AA	968.08	027.01	32	0.20994	0.01679	0.00556	31	0.20752	0.01814	0.00477
Magnesium, ICP, Dry Ash	968.08	027.03	34	0.20827	0.01032	0.00594	31	0.20732	0.00920	0.00414
Magnesium, ICP, Wet Ash	968.08	027.05	23	0.21582	0.01265	0.00641	22	0.21525	0.01231	0.00551
Magnesium, Misc.		027.99	2	0.20725	0.00377	0.00250	2	0.20725	0.00377	0.00250
Method Group 027.XX PCT			91	0.21075	0.01367	0.00585	85	0.20994	0.01327	0.00461
Manganese, AA	968.08	028.01	31	89.5414	14.6461	2.61442	30	88.1761	12.7515	2.46823
Manganese, ICP, Dry Ash	968.08	028.03	33	91.8542	10.5894	4.09545	30	91.6556	10.4980	2.41967
Manganese, ICP, Wet Ash	968.08	028.05	24	113.869	6.51825	3.55667	24	113.869	6.51825	3.55667
Manganese, Misc.		028.99	4	105.949	12.3390	4.14425	4	105.949	12.3390	4.14425
Method Group 028.XX PPM			92	97.4307	15.3108	3.45798	88	97.1774	15.0880	2.82470

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Nitrate, Color	968.07	030.00	1	0.02050	0.00071	0.00100	1	0.02050	0.00071	0.00100
Phosphorus, Vol	964.06	031.00	2	0.44530	0.01455	0.00050	2	0.44530	0.01455	0.00050
Phosphorus, Photometric	965.17	031.01	58	0.41270	0.02344	0.01157	54	0.41207	0.02231	0.00891
Phosphorus, GQMP (2.028)	964.06	031.02	5	0.39856	0.02039	0.01020	5	0.39856	0.02039	0.01020
Phosphorus, Autoanalyzer		031.03	7	0.39743	0.02659	0.00886	7	0.39743	0.02659	0.00886
Phosphorus, ICP		031.05	67	0.41733	0.02532	0.01691	64	0.41745	0.02416	0.01469
Phosphorus, Hach Method		031.06	4	0.42500	0.04902	0.01650	4	0.42500	0.04902	0.01650
Phosphorus, Misc		031.99	7	0.40286	0.03338	0.00857	7	0.40286	0.03338	0.00857
Method Group 031.XX PCT			150	0.41389	0.02637	0.01363	143	0.41366	0.02562	0.01162
Potassium, AA	975.03	032.01	32	1.06485	0.10058	0.02833	30	1.06234	0.10228	0.02255
Potassium, Flame Emission	956.01	032.02	6	1.07283	0.09081	0.01733	6	1.07283	0.09081	0.01733
Potassium, ICP		032.05	58	1.10641	0.09113	0.02348	55	1.10793	0.08801	0.01920
Potassium, Misc		032.99	4	1.02625	0.14784	0.02750	4	1.02625	0.14784	0.02750
Method Group 032.XX PCT			100	1.08789	0.09881	0.02482	95	1.08787	0.09818	0.02049
Salt, Sol Cl	943.01	033.00	21	0.84765	0.03841	0.01869	20	0.84904	0.03717	0.01463
Salt, Poten Cl	969.10	033.01	34	0.85955	0.04265	0.01688	31	0.85919	0.04259	0.01142
Salt, Quantab		033.03	7	0.87071	0.06391	0.03000	7	0.87071	0.06391	0.03000
Salt, Ion Sel Electrode		033.05	1	0.84000	0.01414	0.02000	1	0.84000	0.01414	0.02000
Salt, Misc		033.99	8	0.80518	0.08101	0.02305	8	0.80518	0.08101	0.02305
Method Group 033.XX PCT			71	0.85073	0.05183	0.01945	67	0.85063	0.05202	0.01583
Selenium, Fluor	969.06	034.01	3	0.47267	0.02842	0.03600	3	0.47267	0.02842	0.03600
Selenium, AA, Hydride		034.04	10	0.46404	0.07163	0.03166	9	0.46004	0.07063	0.01962
Selenium, ICP		034.05	2	0.37250	0.03202	0.00500	2	0.37250	0.03202	0.00500
Selenium, Misc		034.99	2	0.36250	0.05188	0.03500	2	0.36250	0.05188	0.03500
Method Group 034.XX PPM			17	0.44285	0.07232	0.02968	16	0.43928	0.07091	0.02279
Sodium, AA		035.00	26	0.24134	0.02716	0.01035	24	0.23791	0.02423	0.00746
Sodium, Ion Sel Electrode		035.01	4	0.24454	0.03174	0.00258	4	0.24454	0.03174	0.00258
Sodium, ICP		035.03	54	0.24195	0.02294	0.00804	52	0.24221	0.02282	0.00720
Sodium, Flame Emission	956.01	035.05	8	0.24753	0.01839	0.00555	8	0.24753	0.01839	0.00555
Sodium, Misc		035.99	1	0.25500	0.00707	0.01000	1	0.25500	0.00707	0.01000
Method Group 035.XX PCT			93	0.24251	0.02405	0.00826	89	0.24178	0.02318	0.00694
Sulfur, ICP		036.03	21	0.26688	0.02451	0.01401	19	0.26629	0.02331	0.00917
Sulfur, LECO		036.04	4	0.24734	0.01397	0.00452	4	0.24734	0.01397	0.00452
Method Group 036.XX PCT			25	0.26375	0.02414	0.01250	23	0.26299	0.02302	0.00836
Zinc, AA	968.08	037.01	29	75.1244	17.3010	3.49755	28	74.5279	17.2713	3.17782
Zinc, ICP, Dry Ash	968.08	037.03	34	79.7148	16.4514	5.49488	31	78.0905	15.4835	3.28471
Zinc, ICP, Wet Ash	968.08	037.05	25	94.0656	9.43231	4.84232	23	94.5040	9.10597	3.58078
Zinc, Misc		037.99	5	78.3308	8.55988	3.45170	5	78.3308	8.55988	3.45170
Method Group 037.XX PPM			93	82.0667	16.5585	4.58679	87	81.2969	16.4362	3.33818

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Molybdenum, ICP		038.00	5	1.75670	0.32641	0.10940	5	1.75670	0.32641	0.10940
Molybdenum, Misc		038.99	1	1.60000	0.00000	0.00000	1	1.60000	0.00000	0.00000
Method Group 038.XX PPM			6	1.73058	0.30148	0.09117	6	1.73058	0.30148	0.09117
Nickel, AA		039.01	1	8.45000	0.07071	0.10000	1	8.45000	0.07071	0.10000
Nickel, ICP		039.02	6	9.80583	2.75849	0.58567	6	9.80583	2.75849	0.58567
Method Group 039.XX PPM			7	9.61214	2.58484	0.51629	7	9.61214	2.58484	0.51629
Barium, ICP		040.00	1	5.55500	0.02121	0.03000	1	5.55500	0.02121	0.03000
Vanadium, ICP		041.00	1	0.92475	0.05480	0.07750	1	0.92475	0.05480	0.07750
Chlorotetracycline, Plate	967.39	051.00	14	65.9629	7.88976	3.26000	14	65.9629	7.88976	3.26000
Chlorotetracycline, HPLC		051.03	7	69.6441	10.3592	3.63457	7	69.6441	10.3592	3.63457
Method Group 051.XX G/TON			21	67.1900	8.83763	3.38486	21	67.1900	8.83763	3.38486
Sulfamethazine, ...	969.57	082.00	6	0.00531	0.00055	0.00022	6	0.00531	0.00055	0.00022
Sulfamethazine, HPLC		082.01	6	0.00584	0.00038	0.00032	6	0.00584	0.00038	0.00032
Sulfamethazine, HPLC-PCD	999.16	082.02	2	0.00670	0.00016	0.00023	2	0.00670	0.00016	0.00023
Method Group 082.XX PCT			14	0.00573	0.00064	0.00026	14	0.00573	0.00064	0.00026
Thiamine, HPLC		105.00	1	2.68000	0.22627	0.32000	1	2.68000	0.22627	0.32000
Vitamin A, Color	974.29	106.00	2	5.65250	0.81835	0.49500	2	5.65250	0.81835	0.49500
Vitamin A, HPLC		106.02	17	6.09476	1.28016	0.56179	16	6.11087	1.29762	0.48027
Vitamin A, Misc		106.99	2	4.44100	1.45377	0.00300	2	4.44100	1.45377	0.00300
Method Group 106.XX KU/LB			21	5.89514	1.32957	0.50221	20	5.89805	1.34670	0.43402
Vitamin D3, HPLC		108.02	2	7.40250	3.93075	0.31500	2	7.40250	3.93075	0.31500
Method Group 108.XX KU/LB			2	7.40250	3.93075	0.31500	2	7.40250	3.93075	0.31500
Vitamin E, HPLC		109.02	8	8.87797	4.75414	0.62421	8	8.87797	4.75414	0.62421
Method Group 109.XX MG/KG			8	8.87797	4.75414	0.62421	8	8.87797	4.75414	0.62421
Alanine, Post-col Ninhydrin Der	994.12	120.00	11	0.55315	0.03333	0.02165	11	0.55315	0.03333	0.02165
Method Group 120.XX PCT			11	0.55315	0.03333	0.02165	11	0.55315	0.03333	0.02165
Arginine, Post-col Ninhydrin Der	994.12	121.00	9	0.55664	0.02928	0.01794	9	0.55664	0.02928	0.01794
Method Group 121.XX PCT			9	0.55664	0.02928	0.01794	9	0.55664	0.02928	0.01794
Aspartic, Post-col Ninhydrin Der	994.12	122.00	10	0.94628	0.03987	0.03797	9	0.94954	0.03371	0.02730
Method Group 122.XX PCT			10	0.94628	0.03987	0.03797	9	0.94954	0.03371	0.02730
Cysteine/Cystine, PAO Post-col Ninhydri	994.12	124.00	9	0.17324	0.02280	0.01251	9	0.17324	0.02280	0.01251
Cysteine/Cystine, PAO Post-col OPA Der		124.02	1	0.14000	0.00000	0.00000	1	0.14000	0.00000	0.00000
Cysteine/Cystine, PAO Pre-col AQC Der .		124.05	1	0.16000	0.00000	0.00000	1	0.16000	0.00000	0.00000
Method Group 124.XX PCT			11	0.16902	0.02289	0.01024	11	0.16902	0.02289	0.01024
Glutamic, Post-col Ninhydrin Der	994.12	125.00	11	1.51027	0.07853	0.05830	10	1.51590	0.07210	0.04233
Method Group 125.XX PCT			11	1.51027	0.07853	0.05830	10	1.51590	0.07210	0.04233
Glycine, Post-col Ninhydrin Der	994.12	126.00	11	0.48150	0.02562	0.01728	11	0.48150	0.02562	0.01728
Method Group 126.XX PCT			11	0.48150	0.02562	0.01728	11	0.48150	0.02562	0.01728
Histidine, Post-col Ninhydrin Der	994.12	127.00	11	0.24899	0.03084	0.01055	11	0.24899	0.03084	0.01055

Method	AOAC 18th	Method Code	- Pass 1 Results for 194 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 194 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Method Group 127.XX PCT			11	0.24899	0.03084	0.01055	11	0.24899	0.03084	0.01055
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	11	0.34052	0.02894	0.00846	11	0.34052	0.02894	0.00846
Method Group 128.XX PCT			11	0.34052	0.02894	0.00846	11	0.34052	0.02894	0.00846
Leucine, Post-col Ninhydrin Der	994.12	129.00	11	0.72616	0.03311	0.02119	10	0.72788	0.03150	0.01491
Method Group 129.XX PCT			11	0.72616	0.03311	0.02119	10	0.72788	0.03150	0.01491
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	11	0.47547	0.03259	0.01601	10	0.47617	0.03230	0.01071
L-Lysine, Pre-col AQC Der		130.05	1	0.48500	0.00707	0.01000	1	0.48500	0.00707	0.01000
Method Group 130.XX PCT			12	0.47626	0.03130	0.01551	11	0.47697	0.03087	0.01065
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	9	0.13608	0.02130	0.00548	8	0.13891	0.02057	0.00354
Methionine, PAO Post-col OPA Der		131.02	2	0.12325	0.00472	0.00650	2	0.12325	0.00472	0.00650
Methionine, PAO Pre-col AQC Der		131.05	1	0.15000	0.00000	0.00000	1	0.15000	0.00000	0.00000
Method Group 131.XX PCT			12	0.13510	0.01957	0.00519	11	0.13707	0.01898	0.00375
Phenylalanine, Post-col Ninhydrin Der .	994.12	132.00	10	0.42483	0.03568	0.01981	10	0.42483	0.03568	0.01981
Method Group 132.XX PCT			10	0.42483	0.03568	0.01981	10	0.42483	0.03568	0.01981
Proline, Post-col Ninhydrin Der	994.12	133.00	10	0.61283	0.03655	0.01164	10	0.61283	0.03655	0.01164
Method Group 133.XX PCT			10	0.61283	0.03655	0.01164	10	0.61283	0.03655	0.01164
Serine, Post-col Ninhydrin Der	994.12	134.00	10	0.46185	0.02775	0.02233	10	0.46185	0.02775	0.02233
Method Group 134.XX PCT			10	0.46185	0.02775	0.02233	10	0.46185	0.02775	0.02233
Threonine, Post-col Ninhydrin Der	994.12	135.00	11	0.38382	0.02819	0.01652	10	0.38406	0.02814	0.01247
Threonine, Pre-col AQC Der		135.05	1	0.34000	0.00000	0.00000	1	0.34000	0.00000	0.00000
Method Group 135.XX PCT			12	0.38017	0.02964	0.01514	11	0.38005	0.02974	0.01134
Tryptophan, Alka-Hydrol Post-col Ninhyd	988.15	136.00	2	0.12295	0.02498	0.00540	2	0.12295	0.02498	0.00540
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	4	0.11163	0.01370	0.00390	4	0.11163	0.01370	0.00390
Tryptophan, Misc		136.99	1	0.11000	0.00000	0.00000	1	0.11000	0.00000	0.00000
Method Group 136.XX PCT			7	0.11463	0.01659	0.00377	7	0.11463	0.01659	0.00377
Tyrosine, Post-col Ninhydrin Der	994.12	137.00	8	0.32360	0.03678	0.02105	8	0.32360	0.03678	0.02105
Method Group 137.XX PCT			8	0.32360	0.03678	0.02105	8	0.32360	0.03678	0.02105
Valine, Post-col Ninhydrin Der	994.12	138.00	11	0.45581	0.04865	0.01015	11	0.45581	0.04865	0.01015
Method Group 138.XX PCT			11	0.45581	0.04865	0.01015	11	0.45581	0.04865	0.01015
Aflatoxin, Neogen Vera-Tox		300.01	1	5.50000	0.00000	0.00000	1	5.50000	0.00000	0.00000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 000.01	--
278	2.7500	.71
--	Method 000.99	--
265	2.0600	.71
--	Method 001.00	--
032	9.6000 s	3.92
001	8.6950	1.29
309	8.6350	1.13
169	8.3700	.35
027	8.2950	.13
Avg	8.2543	
509	8.0600	-.57
720	8.0200	-.68
029	7.7050	-1.62
--	Method 001.03	--
567	8.6000	1.44
688	8.4000	.08
Avg	8.3875	
686	8.3200	-.46
663	8.2300	-1.10
--	Method 001.07	--
662	92.240 s	266.08
307	8.9900 R	2.45
142	8.8500	1.86
345	8.7950	1.69
098	8.6600	1.26
413	8.6500	1.23
199	8.5900	1.03
414	8.5750	.98
049	8.5600	.94
559	8.5000	.92
550	8.5350	.86
571	8.5150	.79
178	8.5000	.74
693	8.4135	.58
038	8.3700	.33
--	Method 001.07	--
140	8.3400	.30
588	8.3550	.29
083	8.3000	.19
089	8.3200	.18
048	8.3050	.13
035	8.2700	.07
Avg	8.2651	
592	8.2500	-.17
045	8.1800	-.29
607	8.1598	-.34
297	8.1650	-.35
616	8.2050	-.38
640	8.1400	-.40
353	8.2400	-.48
689	8.1000	-.52
669	8.0650	-.64
278	8.0000	-.84
581	7.9400	-1.03
591	7.9300	-1.06
177	7.9100	-1.14
187	7.8800	-1.22
648	7.8800	-1.23
015	7.6950	-1.84
609	7.6500 R	-2.10
074	7.4000	-2.74
004	7.4200 R	-2.77
366	7.8500 s	-3.00
--	Method 001.08	--
590	8.7400	.92
Avg	8.3575	
676	7.9750	-.80
560	6.9800 S	-2.92
--	Method 001.99	--
630	12.135 s	10.79
541	9.6500 S	3.75
405	9.0250	1.90
305	8.9300	1.63
--	Method 001.99	--
357	8.3800 R	.86
096	8.5000	.70
672	8.3800	.43
Avg	8.3591	
665	8.3100	-.18
619	8.2700	-.26
681	8.2450	-.33
656	8.2150	-.54
631	8.0700	-.83
615	8.0950	-.83
536	7.9100	-1.29
--	Method 002.00	--
353	13.010	1.27
405	12.780	.41
Avg	12.716	
199	12.680	-.28
015	12.395	-1.28
--	Method 002.01	--
653	20.455 s	24.14
652	12.650	1.83
607	12.410	1.12
672	12.250	.76
723	12.190	.46
Avg	12.029	
656	12.010	-.24
712	11.940	-.63
043	11.810	-.64
714	11.710	-.92
121	11.683	-1.07
685	11.640	-1.12
--	Method 002.02	--
669	12.695	1.83
297	12.455	.64
036	12.356	.48
048	12.385	.30
152	12.375	.25
--	Method 002.02	--
Avg	12.325	
169	12.315	-.09
187	12.285	-.19
042	12.095	-1.11
033	11.965	-1.75
043	11.845 R	-2.65
307	11.700 s	-3.32
--	Method 002.03	--
037	12.720	1.04
265	12.300	.23
Avg	12.255	
536	11.745	-1.17
--	Method 002.04	--
591	14.500 S	2.22
509	13.325	.87
Avg	12.563	
596	11.800	-.86
--	Method 002.05	--
689	13.100	2.33
648	12.780	1.34
552	12.665	1.11
621	12.700	1.10
622	12.634	.91
620	12.617	.87
651	12.491	.51
722	12.480	.48
658	12.435	.40
305	12.405	.25
Avg	12.317	
633	12.306	-.04
663	12.250	-.20
350	12.216	-.39
177	12.180	-.40
028	12.130	-.54
625	12.202	-.60
623	12.107	-.63
--	Method 002.05	--
083	12.100	-.69
354	12.070	-.71
178	12.050	-.88
140	11.950	-1.12
596	11.800	-1.49
179	11.634	-1.98
--	Method 002.06	--
417	14.315 s	4.07
645	14.200 s	3.82
141	13.320	2.01
660	13.325	2.00
686	13.285	1.94
407	13.290	1.92
179	13.254	1.86
345	13.115	1.58
541	13.070	1.48
018	12.990	1.41
353	13.015	1.40
171	13.000	1.39
089	13.020	1.37
032	12.990 X	1.32
505	12.955	1.30
199	12.950	1.24
003	12.945	1.23
047	12.940	1.21
202	12.925	1.19
108	12.825	1.00
300	12.830	1.00
511	12.795	.98
692	12.810	.97
049	12.800	.96
002	12.775	.90
021	12.775	.89
616	12.755	.85
647	12.720	.82
039	12.730	.81
034	12.730	.79
598	12.690	.77

* 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 --	
309	12.601	.76	009	12.315	-.37	119	11.705	-1.34	Avg	12.650		353	2.0200	-1.07
074	12.665	.72	175	12.150	-.38	358	11.805 R	-1.58	573	12.240	-.94	187	1.8500	-1.54
242	12.690	.71	682	12.140	-.39	229	11.510	-1.65	640	12.235	-.95	033	1.8450	-1.58
011	12.450	.68	142	12.150	-.48	539	11.915 R	-1.73	011	12.200	-1.05	049	1.8700 R	-1.83
164	12.655	.64	590	12.105	-.48	013	11.470	-1.73	567	10.850 S	-4.23	616	1.7750	-2.04
674	12.635	.60	610	12.200	-.48	017	11.465	-1.74				527	1.4100 s	-4.41
354	12.605	.56	027	12.080	-.51	294	11.430	-1.82	--	Method 002.99 --		015	1.4000 s	-5.17
672	12.450	.55	609	12.100	-.51	045	11.350	-1.98	724	14.765 S	19.46			
589	12.335	.47	038	12.065	-.56	693	11.344	-1.99	643	12.630	.73	--	Method 003.04 --	
670	12.560	.45	687	12.050	-.58	720	11.325	-2.03	Avg	12.558		681	1.9300	-.71
709	12.385	.44	121	12.045	-.58	527	11.085	-2.51	640	12.485	-.98			
185	12.530	.40	138	12.040	-.59				630	2.5850 S	-87.83	--	Method 003.06 --	
510	12.500	.39	559	12.215	-.62	--	Method 002.08 --					658	3.8900 s	12.93
520	12.500	.38	205	12.060	-.63	291	12.555	1.22	--	Method 003.00 --		621	2.3800 s	3.23
001	12.505	.37	006	12.015	-.66	610	12.500	1.07	596	2.7000 A	3.98	689	2.3000	2.64
042	12.470	.30	529	12.005	-.67	Avg	12.180		142	2.3500	1.74	588	2.1700	1.80
190	12.480	.29	366	11.995	-.69	160	12.180	-.13	309	2.3250	1.60	407	2.0900	1.29
132	12.400	.29	010	12.200	-.70	062	11.997	-.60	563	2.3000	1.39	581	2.0500	1.03
615	12.420	.26	226	11.950	-.78	414	12.125	-.62	354	2.1550	.81	640	2.0300	.91
588	12.465	.26	263	11.951	-.78	563	11.725	-1.45	655	2.2000	.80	074	1.9550 R	.74
144	12.450	.26	035	11.940	-.79	309	11.610 R	-2.67	132	2.2100	.80	567	1.9000 R	.65
036	12.430	.25	100	11.940	-.80				307	2.1450	.78	688	1.9500	.50
619	12.400	.24	414	12.185 R	-.81	--	Method 002.10 --		152	2.2000	.73	684	1.9350	.33
098	12.400	.24	106	11.955	-.84	655	13.595	1.93	017	2.1800	.66	148	1.9400	.32
160	12.440	.23	650	11.910	-.87	629	12.470	.06	048	2.1700	.54	Avg	1.8913	
298	12.400	.13	168	11.956	-.88	Avg	12.433		164	2.1700	.54	199	1.8750	-.11
014	12.356	.10	676	11.935	-.89	619	12.250	-.30	035	2.1550	.44	625	1.8830	-.32
051	12.380	.09	233	11.890	-.89	688	12.100	-.55	190	2.1300	.43	294	1.8300	-.40
026	12.365	.06	278	11.900	-.89	546	12.380	-.61	265	2.0900	.13	552	1.8200	-.50
Avg	12.334		592	11.875	-.93	596	11.800	-1.00	Avg	2.0872		647	1.8400	-.51
363	12.290	-.13	291	11.860	-.95				106	2.0750	-.24	229	1.8050	-.60
029	12.260	-.15	646	11.820	-1.03	--	Method 002.11 --		179	2.0400	-.39	669	1.8000	-.60
413	12.250	-.20	019	11.850	-1.05	032	28.885 s	52.22	509	2.0250	-.44	511	1.7750	-.77
033	12.275	-.21	596	11.800	-1.07	588	14.580 S	4.40	026	1.9850	-.67	009	1.7750	-.79
096	12.220	-.26	673	11.800	-1.09	713	13.260 R	2.22	615	2.0600	-.67	559	1.7700	-.79
004	12.245	-.26	567	11.935 R	-1.21	648	13.110	1.16	175	1.9900	-.71	185	1.7700	-.81
550	12.200	-.27	357	11.720	-1.23	665	13.150	1.15	676	1.9800	-.83	297	1.7550	-.89
571	12.219	-.30	684	11.750	-1.33	178	12.850	.92	300	1.9650	-.93	169	1.7550	-.89
148	12.160	-.35	512	11.695	-1.33	672	12.765	.28	027	1.9650	-.97	682	1.6900	-1.30

* 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
--	Method 003.06	--
122	1.2200 s	-4.57
--	Method 003.09	--
140	2.2450	1.84
651	2.2345	1.73
510	2.2000	1.64
004	2.1500	1.25
620	2.1278	1.10
546	1.9550	.99
590	2.0250	.51
354	1.9950	.37
358	1.9500	.36
673	2.0000	.34
263	1.9830	.23
656	1.9800	.22
723	1.9700	.17
633	1.9688	.16
202	1.9650	.15
Avg	1.9438	
350	1.9263	-.11
098	1.9100	-.36
685	1.8600	-.51
653	1.8750	-.52
121	1.8600	-.53
226	1.9000	-.65
674	1.8850	-.67
038	1.8200	-.80
001	1.8000	-.87
505	1.9000	-.99
305	1.6950	-1.48
714	1.9370 R	-1.52
413	1.6500	-1.78
013	1.5950	-2.08
--	Method 003.10	--
720	2.4300	2.62
160	2.2500	1.77
623	2.1337 R	1.56
591	2.1900	1.48
--	Method 003.10	--
242	2.1400	1.25
233	2.0450	.80
672	1.9500 R	.79
520	2.0300	.75
045	2.0200	.69
693	1.9650	.61
648	1.9800	.54
100	1.9800	.49
651	1.9650	.46
034	1.9350	.27
178	1.9000	.10
Avg	1.8785	
144	1.8750	-.03
119	1.8550	-.11
062	1.8555	-.12
607	1.8707	-.12
298	1.8300	-.24
291	1.8400	-.26
098	1.8250	-.26
573	1.8150	-.30
345	1.7500	-.66
089	1.7200	-.75
108	1.8350 R	-.81
629	1.7000	-.85
619	1.6350	-1.16
596	1.6000	-1.33
051	1.6000	-1.33
366	1.5950	-1.37
042	1.5850	-1.40
363	1.5750	-1.45
609	1.0100 s	-4.14
--	Method 003.11	--
567	1.7500	1.82
648	1.6500	.98
Avg	1.4969	
672	1.4900	-.04
640	1.4750	-.16
588	1.4550	-.38
--	Method 003.11	--
178	1.3500	-.96
665	1.3400	-1.02
713	1.4650	-1.04
032	0.8350 s	-4.51
--	Method 003.12	--
670	2.1800	1.26
021	2.1150	1.26
414	2.0050	.04
Avg	2.0017	
646	1.9900	-.28
171	1.9200	-.59
357	1.8000	-1.38
--	Method 003.13	--
660	2.3100	1.34
Avg	1.9635	
205	1.8155	-.50
028	1.7650	-.68
--	Method 003.14	--
598	2.1550	1.38
185	2.1050	1.17
019	2.0100 R	1.12
414	1.9350	.87
144	1.9550	.51
Avg	1.8410	
550	1.8400	-.09
049	1.8200	-.16
686	1.8300	-.18
175	1.8100	-.19
529	1.5100	-1.45
278	1.4500	-1.73
--	Method 003.99	--
630	8.6850 S	34.91
417	3.3400 S	7.22
652	2.6500 S	3.67
536	2.0800	.70
--	Method 003.99	--
631	2.0800	.64
Avg	1.9583	
047	1.7150	-1.26
--	Method 004.00	--
559	27.200 R	2.11
647	26.900	1.72
345	26.475	1.33
309	26.435	1.30
298	26.430	1.29
265	26.360	1.24
509	26.040	.98
511	25.800	.79
199	25.735	.73
015	25.400 R	.67
354	24.855	.30
563	24.875	.04
Avg	24.830	
042	24.785	-.04
034	24.720	-.09
169	24.710	-.15
009	24.615	-.18
596	24.600	-.19
353	24.465	-.35
175	24.300	-.43
171	24.140	-.59
164	24.100	-.59
039	23.878	-.77
226	23.600	-1.02
048	22.860	-1.59
132	22.835	-1.61
510	22.400	-1.96
--	Method 004.01	--
366	26.980	.86
Avg	26.503	
693	26.025	-.87
--	Method 004.03	--
045	25.735	1.50
Avg	24.849	
190	24.665	-.49
676	24.495	-.65
619	24.500	-.77
--	Method 004.06	--
673	27.500	2.80
178	27.300 s	2.77
140	26.140	1.23
720	25.840	.95
689	25.800	.87
633	25.822	.86
722	25.805	.86
552	25.315	.66
625	25.550	.64
670	25.560	.59
354	25.515	.52
350	25.467	.45
027	25.450	.45
607	25.154	.25
Avg	25.075	
609	24.965	-.16
655	24.895	-.30
588	24.805	-.31
590	24.815	-.32
656	24.855	-.35
205	24.550	-.63
610	24.750	-.64
672	24.350	-.85
653	24.260	-.99
723	24.215	-.99
688	24.200	-1.01
620	24.155	-1.07
098	23.900	-1.47
685	23.400	-1.94

* 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 004.07 --		--	Method 004.07 --		--	Method 005.00 --		--	Method 005.00 --		--	Method 005.00 --	
144	30.555 s	4.55	004	23.860	-.91	294	8.8200	1.43	142	8.6500	.48	350	8.5218	-.43
294	28.175	2.61	631	23.615	-1.11	646	8.8200	1.43	187	8.6600	.44	199	8.5450	-.45
300	27.255	1.86	413	23.600	-1.19	108	8.7950	1.34	592	8.6600	.43	674	8.5150	-.48
242	27.130	1.78	019	23.415	-1.29	278	8.7650	1.24	171	8.6400	.40	309	8.4933	-.62
414	26.925 R	1.69	520	23.225	-1.43	723	8.7850	1.21	552	8.6500	.37	164	8.4850	-.67
669	26.387	1.16	278	23.100	-1.56	510	8.7800	1.20	021	8.6400	.36	619	8.5700 R	-.70
042	26.320	1.10	674	23.010	-1.66	229	8.7650	1.09	505	8.6450	.35	625	8.4865	-.71
592	26.285	1.08	307	22.800	-1.77	650	8.7600	1.07	660	8.6450	.35	539	8.4750	-.72
682	26.200	1.00	536	19.770 s	-4.26	722	8.7620	1.07	015	8.6400	.33	682	8.4700	-.76
709	26.075	.97				178	8.7500	1.04	138	8.6250	.26	656	8.5700 R	-.76
028	26.050	.88	--	Method 004.11 --		672	8.7500	1.04	651	8.6270	.23	004	8.4550	-.85
089	25.970	.81	567	24.100	1.58	688	8.7500	1.04	144	8.6250	.22	345	8.4700	-.87
185	25.910	.78	713	23.940	1.57	629	8.7550	1.03	202	8.6200	.18	152	8.4450	-.91
567	25.000 R	.73	640	23.850	.71	185	8.7500	1.03	034	8.6050	.18	596	8.4500	-.93
229	25.525	.56	Avg	23.535		720	8.7400	1.00	563	8.6150	.18	226	8.4500	-.93
033	25.630	.54	672	23.425	-.24	588	8.7450	.96	363	8.6100	.17	622	8.4425	-.94
581	25.640	.54	648	23.360	-.52	179	8.7435	.95	001	8.5950	.16	098	8.5500 R	-.97
032	25.500	.49	665	23.355	-.60	591	8.7400	.94	631	8.6000	.14	643	8.4350	-.97
160	25.525	.45	011	23.450	-.75	567	8.7000	.92	083	8.6000	.06	414	8.4300	-1.01
100	25.515	.44	588	23.185	-.78	353	8.6950	.84	Avg	8.5909		550	8.4350	-1.03
643	25.390	.36	178	23.150	-1.09	616	8.6100 R	.82	148	8.5900	-.01	305	8.4250	-1.04
686	25.235	.22	032	20.555 s	-7.99	298	8.7200	.81	033	8.5850	-.05	366	8.4250	-1.07
003	25.000	.09				623	8.6280 R	.81	291	8.5850	-.05	100	8.4200	-1.07
Avg	24.976		--	Method 004.99 --		669	8.7150	.79	686	8.5750	-.10	709	8.4250	-1.11
407	24.885	-.08	629	24.850	1.04	676	8.7000	.71	205	8.5735	-.11	019	8.4950 R	-1.14
529	24.860	-.11	598	24.240	.53	265	8.6950	.69	242	8.5800	-.14	160	8.4050	-1.17
011	24.775	-.17	Avg	24.223		297	8.7000	.68	089	8.5650	-.16	598	8.3700	-1.39
291	24.785	-.18	648	23.580	-1.07	640	8.7000	.68	027	8.5650	-.16	633	8.3623	-1.44
646	24.785	-.20	640	19.460 S	-7.86	645	8.7000	.68	529	8.5650	-.16	169	8.3450	-1.54
122	24.640	-.32	724	13.410 S	-17.81	045	8.6900	.63	300	8.5750	-.18	062	8.3345	-1.60
013	24.570	-.33				520	8.6900	.63	175	8.5700	-.23	049	8.3400 R	-1.74
708	24.405	-.49	--	Method 005.00 --		413	8.6000	.63	051	8.5550	-.24	684	8.3000	-1.82
035	24.330	-.53	655	9.0750 s	3.22	358	8.6900	.62	140	8.5850	-.28	048	8.2950	-1.85
202	24.125	-.69	693	9.0150 s	2.97	653	8.6650	.62	038	8.5450	-.29	621	8.2950	-1.85
096	24.195	-.71	658	8.9800 R	2.53	620	8.6836	.58	559	8.5450	-.30	029	8.2950 R	-2.18
074	24.125	-.73	527	8.9250	2.09	035	8.6800	.56	689	8.5900	-.31	647	8.2350	-2.23
505	24.080	-.73	407	8.9000	1.93	590	8.6750	.55	121	8.5650	-.32	132	8.1900	-2.53
026	24.085	-.74	307	8.8550	1.65	541	8.6650	.54	607	8.5380	-.38	670	8.1450	-2.79
021	23.965	-.82	548	8.8275	1.62	354	8.6700	.51	357	8.5500	-.40	119	8.1300	-2.89

* 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
--	Method 005.00	--
615	8.1100 s	-3.04
609	8.0700 s	-3.26
--	Method 005.02	--
610	8.7000	.71
--	Method 005.11	--
672	8.8100	1.24
588	8.7600	1.04
Avg	8.5280	
648	8.4200	-.48
665	8.3450	-.81
640	8.3050	-.99
178	8.0000 S	-2.36
713	7.8300 S	-3.07
--	Method 005.99	--
652	9.3000 S	4.04
673	8.9000	1.43
536	8.7450	.81
648	8.7700	.73
Avg	8.6457	
712	8.6300	-.19
663	8.4850	-.92
096	8.5000	-.99
681	8.4900	-1.18
122	7.9350 S	-4.00
724	7.9400 S	-4.59
630	6.6350 s	-11.32
--	Method 008.02	--
684	37.000	1.38
038	36.815	1.26
187	35.785	.70
226	35.700	.66
141	35.475	.56
405	35.465	.55
353	35.460	.53
309	35.435	.52
--	Method 008.02	--
148	35.410	.49
171	34.930	.37
354	34.990	.26
045	34.645	.12
Avg	34.512	
035	33.945	-.31
098	33.650	-.49
179	33.280	-.68
619	31.400	-1.71
590	31.050	-1.89
527	30.780	-2.04
--	Method 008.05	--
265	34.050	.71
--	Method 008.08	--
001	36.880 X	2.06
414	36.330	1.69
413	34.900 R	1.00
592	35.465	.99
278	35.100	.81
049	34.575	.75
536	34.340	.39
693	34.510	.33
581	34.580	.32
510	34.500	.26
Avg	34.161	
357	34.050	-.09
033	34.020	-.12
294	33.910	-.19
529	33.705	-.35
160	33.655	-.42
037	33.700	-.52
686	33.205	-.76
004	32.720	-1.18
202	32.475	-1.28
185	31.340	-2.14
--	Method 008.99	--
307	35.950	1.80
164	33.950	.24
358	33.700	.03
Avg	33.683	
297	33.680	.00
720	32.865	-.65
656	31.955	-1.34
--	Method 009.07	--
684	50.460	2.15
307	48.850	1.42
179	47.605	.86
693	47.565	.85
187	47.040	.61
164	46.650	.44
045	46.580	.42
038	46.340	.30
Avg	45.693	
297	45.430	-.12
226	45.300	-.20
656	44.610	-.51
590	44.050	-.74
309	43.710	-.90
354	43.640	-.92
663	43.575	-.97
098	43.600	-.99
353	41.770	-1.76
--	Method 009.09	--
414	47.500	1.79
265	47.300	1.62
413	45.800	.56
529	45.685	.46
357	45.350	.45
278	45.550	.38
686	45.380	.30
581	45.435	.30
049	45.330	.24
Avg	45.044	
--	Method 009.09	--
510	44.900	-.10
185	44.455	-.42
294	44.050	-.72
536	44.555 R	-1.07
160	43.300	-1.25
202	43.210	-1.31
037	42.410	-1.89
--	Method 009.99	--
720	49.440	1.14
Avg	46.750	
643	46.610	-.34
619	44.200	-1.04
--	Method 010.03	--
546	4.9650 S	.00
--	Method 010.11	--
032	9.8950 R	3.55
640	8.8900	1.14
648	8.7250	.76
713	8.5400	.33
178	8.5000	.33
Avg	8.4042	
588	8.0700	-.80
567	7.7000	-1.66
--	Method 010.99	--
724	10.190	1.69
417	9.6600	1.17
141	9.3750	.89
714	9.2735	.79
652	8.6500	.23
673	8.5500	.09
Avg	8.4774	
037	8.3900	-.12
709	8.2200	-.25
527	7.7600	-.71
168	7.5550	-.91
--	Method 010.99	--
655	7.5000	-.97
712	6.6050	-1.85
--	Method 011.01	--
596	10.650 s	4.23
108	10.615 s	4.12
098	9.9500	1.97
643	9.9000	1.80
407	9.8800	1.74
511	9.8200 R	1.65
185	9.7400	1.29
242	9.7300	1.27
646	9.7300	1.27
226	9.7000	1.20
414	9.6550	1.01
175	9.6500	1.01
100	9.6500	1.00
171	9.6300	.96
160	9.6300	.94
148	9.6300	.93
559	9.6050	.88
722	9.5930	.81
309	9.5450	.72
062	9.5525	.68
233	9.5350	.67
350	9.5433	.65
658	9.5350	.64
620	9.5228	.58
051	9.4150 R	.58
651	9.4960	.51
622	9.4986	.51
621	9.4400	.48
119	9.4700	.42
682	9.4600	.38
541	9.4450	.33
520	9.4300	.33
625	9.4140	.29
363	9.3900	.17
202	9.3800	.14

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 011.01	--
205	9.3605	.13
670	9.3500	.10
033	9.3500	.07
164	9.3600	.07
723	9.3550	.05
653	9.3500	.03
Avg	9.3420	
034	9.3200	-.10
138	9.2750	-.23
539	9.2950	-.26
354	9.2750	-.26
529	9.2600	-.27
229	9.2600	-.27
633	9.2376	-.34
645	9.3000	-.35
660	9.3250	-.38
674	9.2300	-.40
505	9.3400	-.45
298	9.2000	-.46
563	9.1800	-.53
300	9.1900	-.54
358	9.1550	-.61
294	9.1350	-.68
548	9.1375	-.68
647	9.2000 R	-.72
021	9.1200	-.74
623	9.2093 R	-.87
152	9.0500	-.96
122	9.0400	-.98
592	9.0350	-.99
598	9.0250	-1.03
650	9.0250	-1.03
144	9.0700 R	-1.09
510	8.9500	-1.28
291	8.9050	-1.41
701	8.7950	-1.78
179	8.7140	-2.04
552	8.5900	-2.43
121	8.5750	-2.48

Lab	Average*	Index
--	Method 011.01	--
132	8.5200	-2.66
591	2.8050 s	-21.14
--	Method 011.99	--
684	8.5750	.71
Avg	8.5750	
610	8.2300 S	-5.56
265	8.2200 S	-5.63
--	Method 012.00	--
178	14.100	1.35
548	13.755	.81
689	13.650	.68
653	13.410	.57
559	13.450	.33
Avg	13.247	
567	13.100	-.23
672	13.050	-.39
673	12.750	-.88
354	11.960	-2.04
--	Method 012.01	--
686	13.605	.78
Avg	12.693	
185	11.780	-.94
--	Method 012.03	--
297	13.005	.76
Avg	11.940	
684	10.875	-.96
--	Method 012.04	--
051	16.310	1.40
353	15.380	.85
Avg	13.933	
510	13.000	-.55
278	12.850	-.64
038	12.125	-1.06

Lab	Average*	Index
--	Method 012.99	--
619	31.200 S	.00
--	Method 013.02	--
051	3.6750	2.02
645	3.2000	.98
548	3.0950	.77
026	3.0600	.64
065	3.0350	.60
581	2.9900	.48
643	2.9650	.45
650	2.8850	.25
164	2.8550	.17
Avg	2.7782	
354	2.7550	-.06
003	2.7450	-.13
033	2.7450	-.14
616	2.6200	-.36
100	2.4650	-.80
229	2.1900	-1.33
591	2.1700	-1.37
414	1.7800	-2.26
--	Method 013.10	--
185	3.0450	1.71
353	2.8050	1.26
160	2.7750	.96
177	2.7550	.94
656	2.7100	.82
096	2.6750	.79
Avg	2.4310	
297	2.4200	-.06
714	2.3900	-.35
062	2.2505	-.51
673	2.2500	-.52
672	2.4000	-.56
660	2.4000	-.56
539	2.2500	-.60
663	2.0200	-1.15
610	1.9000	-1.51

Lab	Average*	Index
--	Method 013.10	--
688	1.8500	-1.62
--	Method 013.13	--
042	3.2650	.71
--	Method 013.99	--
689	2.8000	.71
--	Method 015.00	--
414	70.000	1.91
520	67.500 R	1.80
353	63.840	1.05
011	59.036	.63
021	56.950	.63
Avg	56.268	
345	54.185	-.30
616	53.350	-.45
045	51.000	-.73
560	50.350	-.84
164	47.700	-1.19
--	Method 016.00	--
567	0.3150	1.05
Avg	0.2503	
619	0.1855	-.64
--	Method 017.00	--
021	13.700 s	2.64
560	13.650	1.58
353	12.670	1.05
414	10.850 R	.62
Avg	10.737	
345	9.8850	-.50
045	9.8000	-.50
693	9.4500	-.71
294	8.9650	-.96

Lab	Average*	Index
--	Method 017.99	--
307	10.750	.71
--	Method 018.02	--
011	0.1030	1.19
Avg	0.1015	
567	0.1000	-.29
--	Method 019.00	--
552	1.7650 s	24.09
646	0.9700 S	4.82
647	0.8850 R	2.88
623	0.8367	1.58
621	0.8150	1.12
620	0.7975	.63
132	0.7865	.37
651	0.7855	.35
622	0.7776	.15
689	0.7750	.15
722	0.7758	.11
Avg	0.7713	
175	0.7500	-.57
681	0.7450	-.73
043	0.7350	-.89
625	0.6765	-2.32
633	0.2603 s	-12.37
--	Method 019.01	--
596	1.4700 s	11.84
591	0.8850	2.00
019	0.8600	1.59
013	0.8430	1.36
619	0.8365	1.21
588	0.8305	1.09
039	0.8282	1.05
035	0.8250	1.00
609	0.8200	.92
140	0.8195	.91

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 019.01 --		--	Method 019.01 --		--	Method 019.05 --		--	Method 019.09 --		--	Method 020.01 --	
709	0.8200	.91	178	0.7150 R	-1.67	029	0.7645	-.36	035	0.8600	1.00	Avg	11.671	
669	0.8155	.85	108	0.6500	-1.95	089	0.7600	-.47	096	0.8350	.58	011	9.6840	-.38
263	0.8088	.72	152	0.6400	-2.13	164	0.7600	-.47	021	0.8290	.48	560	6.7550	-.95
098	0.8050	.70	670	0.6150	-2.54	100	0.7600	-.55	047	0.8218	.36	668	3.3600	-1.60
656	0.8000	.60	548	0.5440 s	-3.86	358	0.7700	-.61	693	0.8105	.29			
650	0.8000	.57				567	0.7550	-.63	186	0.8027	.05	--	Method 020.99 --	
631	0.7950	.50	--	Method 019.03 --		083	0.7550	-.63	Avg	0.8010		553	101.50 S	202.47
169	0.7950	.50	048	0.9900 S	1.69	553	0.7525	-.75	668	0.7910	-.29	Avg	15.600	
038	0.7840	.48	036	0.8780	.48	610	0.7490	-.79	190	0.8000	-.34	616	15.600	-.71
620	0.7872	.37	033	0.8605	.28	560	0.7505	-.80	353	0.7850	-.37			
505	0.7850	.33	Avg	0.8047		171	0.7500	-.81	027	0.7920	-.42	--	Method 021.01 --	
720	0.7750	.29	043	0.7950	-.52	685	0.7500	-.81	616	0.7720	-.52	619	2.2450	1.15
529	0.7800	.24	307	0.7550	-.92	645	0.7453	-.93	309	0.7689	-.54	140	2.0430	.59
658	0.7725	.21	686	0.7350	-1.10	051	0.7400	-1.09	045	0.7595	-.72	Avg	1.9470	
354	0.7700	.18				026	0.7345	-1.21	357	0.7700	-.73	689	1.8500	-.69
612	0.7700	.18	--	Method 019.05 --		598	0.7400	-1.37	017	0.7500	-.93	164	1.6500	-1.16
205	0.7710	.11	003	0.8350 s	2.78	413	0.7300	-1.37	106	0.7365	-1.09			
001	0.7675 X	.10	520	0.8250 R	2.37	297	0.7550 R	-1.45	366	0.7250	-1.31	--	Method 021.02 --	
350	0.7660	.09	168	0.8365	1.78	049	0.7250	-1.66	345	0.7150	-1.48	021	2.3000	1.98
004	0.7700	.07	405	0.8350	1.73	550	0.7135	-1.89	572	0.6945	-1.82	510	2.0350	1.19
014	0.7665	.03	701	0.8305	1.59	265	0.7050 s	-2.81				567	1.8750	.88
Avg	0.7660		187	0.8176	1.21	294	0.6450 s	-3.82	--	Method 019.99 --		616	1.8100	.59
036	0.7600	-.11	510	0.8100	1.15				724	1.5850 S	45.82	560	1.6450	.40
010	0.7550	-.31	148	0.8135	1.10	--	Method 019.08 --		588	1.3650 S	33.60	011	1.7420	.35
065	0.7425	-.40	407	0.8100	.99	689	0.8200	1.09	692	0.7700	.58	029	1.7200	.28
648	0.7350	-.53	300	0.8010	.99	723	0.8150	.97	121	0.7680	.57	Avg	1.6267	
563	0.7310	-.60	226	0.8050	.95	673	0.7900	.51	676	0.7655	.53	169	1.5700	-.17
653	0.7350	-.63	011	0.7944	.94	Avg	0.7668		Avg	0.7596		045	1.5000	-.39
233	0.7400	-.67	414	0.8050	.86	607	0.7596	-.36	629	0.7350	-1.60	572	1.3050	-.94
026	0.7250	-.69	298	0.8000	.76	590	0.7150	-1.05	665	0.5050 S	-14.16	171	1.3000	-1.00
122	0.7250	-.73	242	0.7950	.71	138	0.7015	-1.37				668	1.2450	-1.11
536	0.7150	-.86	185	0.7965	.60				--	Method 020.00 --		106	1.1000	-1.53
363	0.7050	-1.03	144	0.7920	.58	--	Method 019.09 --		164	6.4000	.00			
307	0.7050	-1.11	229	0.7950	.57	032	0.9800 S	3.10				--	Method 021.99 --	
141	0.7000	-1.11	682	0.7900	.41	202	0.9050	1.76	--	Method 020.01 --		017	1.9000	.90
278	0.6900	-1.28	291	0.7900	.41	028	0.8950	1.69	021	17.700	1.25	607	2.1105	.81
687	0.6850	-1.36	512	0.7766	.07	160	0.8795	1.33	096	16.500	.94	Avg	1.8318	
142	0.6800	-1.46	Avg	0.7760		037	0.8700	1.18	567	14.200	.57	721	1.4850	-1.01
511	0.6800	-1.48	074	0.7650	-.35	042	0.8565	1.11	045	13.500	.35			

* 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
--	Method 022.01 --	
629	102.50 s	17.14
038	28.500	2.53
013	26.950	2.22
505	23.000	1.44
140	21.370	1.14
278	20.750	1.01
175	18.000 R	.90
307	19.150	.75
035	19.500	.74
689	19.000	.67
620	18.688	.58
669	17.299	.32
548	17.215	.31
646	16.750	.20
004	16.000	.04
Avg	15.784	
363	15.605	-.04
350	15.200	-.21
354	14.340	-.29
656	13.985	-.38
098	14.500	-.39
619	13.700	-.43
596	13.500	-.54
178	12.500	-.66
674	12.500	-.66
653	12.703	-.66
591	12.315	-.71
590	10.650	-1.02
720	10.555	-1.04
709	10.400	-1.08
588	10.000	-1.14
529	9.4000	-1.27
648	7.5000	-1.64
--	Method 022.03 --	
265	73.000 s	13.39
297	28.500 R	2.80
300	23.440 R	2.45
413	25.500	2.07
--	Method 022.03 --	
405	23.500	1.65
185	23.000	1.55
560	22.400	1.41
144	21.450	1.21
003	19.500	.96
701	20.200	.95
011	19.700	.87
510	19.500	.81
226	18.500	.60
414	17.100	.45
520	17.000	.34
229	16.500	.19
512	15.770	.16
553	15.800	.11
Avg	15.727	
610	15.450	-.06
164	15.300	-.11
407	15.165	-.12
148	15.000	-.16
100	14.500	-.28
291	14.000	-.42
029	13.800	-.48
074	13.500	-.48
171	12.000	-.82
187	11.560	-.88
083	11.500	-.90
598	11.000	-1.00
049	10.295	-1.21
242	10.000	-1.23
550	9.3175	-1.37
026	8.2500	-1.58
358	7.2050	-1.80
--	Method 022.05 --	
567	27.500 R	1.81
202	29.500	1.76
042	26.700	1.24
309	25.785	1.13
160	26.750	.91
--	Method 022.05 --	
186	26.600	.83
693	24.500	.81
169	26.400	.78
668	24.350	.72
353	26.110	.69
021	26.050	.68
096	25.000	.45
027	25.295	.42
357	24.000	.32
190	24.970	.31
Avg	23.986	
572	23.700	-.16
616	23.500	-.38
045	23.000	-.45
106	21.950	-.65
017	22.500	-.67
366	22.000	-.71
294	21.495	-.80
345	21.330	-.88
028	17.500	-2.06
037	16.670	-2.32
--	Method 022.99 --	
692	23.100	.98
121	20.635	.76
Avg	17.396	
721	16.600	-.15
607	9.2506	-1.39
--	Method 023.01 --	
619	0.0025	.71
--	Method 025.01 --	
720	328.39 R	2.30
656	328.57	2.25
175	314.00	1.74
629	294.50	1.11
648	281.00	.67
098	279.00	.61
--	Method 025.01 --	
689	277.00	.61
619	268.00 R	.57
038	276.50	.53
278	263.00	.30
548	267.15	.22
350	266.60	.21
Avg	260.58	
307	260.00	-.26
588	249.50	-.36
591	249.31	-.37
354	248.10	-.41
035	241.00	-.64
670	230.79	-.98
563	228.50	-1.05
014	220.50	-1.31
596	220.00	-1.33
529	216.60	-1.43
--	Method 025.03 --	
520	303.00 R	1.70
701	311.50	1.60
414	305.50	1.43
553	300.50	1.30
265	273.50 R	1.25
011	300.01	1.23
229	296.00	1.08
405	292.00	.97
029	285.00	.73
148	283.00	.63
567	279.50	.52
187	279.53	.51
164	279.50	.51
003	268.50	.51
297	272.00	.48
413	273.00	.47
083	275.50	.38
100	272.50	.29
510	264.50	.09
407	265.00	.02
--	Method 025.03 --	
Avg	264.39	
144	253.80	-.36
291	254.00	-.45
026	251.00	-.47
300	258.95	-.49
226	250.00	-.50
610	246.85	-.60
171	234.50	-1.06
560	227.00	-1.30
598	222.50	-1.45
550	216.94	-1.68
242	208.50	-1.92
049	204.73	-2.03
--	Method 025.05 --	
028	1802.0 s	54.24
042	343.50	2.03
096	315.00	1.28
021	315.00	1.28
693	296.50 R	.94
037	289.60	.65
045	288.00	.60
616	280.50	.42
366	280.50	.41
169	277.00	.33
Avg	264.37	
572	246.50	-.48
309	245.50 R	-.69
353	236.60	-.70
345	235.95	-.72
017	237.00	-.73
106	233.00	-.79
668	232.00	-.82
294	210.70	-1.36
160	209.00	-1.40

* 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
--	Method 025.99 --	
692	269.00	.71
--	Method 026.99 --	
619	0.0000	.00
--	Method 027.01 --	
709	0.2500	2.34
656	0.2350	1.54
619	0.2345	1.52
720	0.2300 R	1.36
609	0.2300	1.24
013	0.2230	.90
169	0.2200 R	.88
038	0.2225	.83
646	0.2200	.69
596	0.2200	.69
669	0.2175	.58
263	0.2168	.51
505	0.2150	.50
350	0.2124	.27
035	0.2100	.14
065	0.2100	.14
098	0.2100	.14
Avg	0.2089	
588	0.2065	-.06
014	0.2060	-.10
001	0.2050	-.31
307	0.2050	-.31
278	0.2000	-.41
629	0.2000	-.41
590	0.2005	-.42
650	0.2015	-.51
142	0.1950	-.74
175	0.1950	-.74
529	0.1900	-.97
563	0.1876	-1.13
141	0.1845	-1.27
674	0.1850	-1.27
591	0.1800	-1.52

Lab	Average*	Index
--	Method 027.01 --	
511	0.1650 S	-2.36
548	0.1570 S	-2.78
--	Method 027.03 --	
144	85.100 s9223.08	
051	1.7050 s	162.71
610	1.1715 s	147.70
003	0.2850 s	8.59
011	0.2293 R	2.71
520	0.2150 R	1.83
226	0.2200	1.38
300	0.2190	1.31
701	0.2185	1.24
297	0.2100 R	1.12
187	0.2172	1.07
553	0.2145	1.05
405	0.2150	1.00
414	0.2150	1.00
407	0.2160	.94
185	0.2152	.86
512	0.2140	.74
148	0.2135	.67
358	0.2100	.29
567	0.2100	.29
100	0.2100	.29
074	0.2100	.29
Avg	0.2073	
026	0.2066	-.08
171	0.2050	-.27
291	0.2040	-.38
164	0.2030	-.52
049	0.2050	-.60
598	0.2050	-.60
229	0.2050	-.60
242	0.2050	-.60
413	0.2050	-.60
560	0.2005	-.76
510	0.2000	-.80
083	0.2000	-.80

Lab	Average*	Index
--	Method 027.03 --	
029	0.2000	-.80
265	0.1900	-1.88
550	0.1900	-1.91
294	0.1850	-2.48
--	Method 027.05 --	
037	0.2350	1.66
309	0.2286 R	1.52
021	0.2305	1.26
042	0.2280	1.22
160	0.2282	1.14
190	0.2250	.89
202	0.2250	.89
035	0.2250	.89
027	0.2215	.52
028	0.2200	.39
096	0.2200	.39
616	0.2190	.35
186	0.2162	.13
Avg	0.2152	
668	0.2110	-.35
357	0.2150	-.41
106	0.2100	-.43
693	0.2080	-.72
345	0.2065	-.74
353	0.2000	-1.24
366	0.2000	-1.24
572	0.1995	-1.28
045	0.1970	-1.48
017	0.1950	-1.69
--	Method 027.99 --	
692	0.2100	.73
Avg	0.2073	
121	0.2045	-.98

Lab	Average*	Index
--	Method 028.01 --	
505	130.50 A	3.33
035	121.50	2.61
013	115.50	2.16
038	114.00	2.05
278	111.00	1.79
656	99.510	.90
669	95.736	.60
098	92.500	.39
619	93.150	.39
548	89.825	.31
140	89.635	.15
Avg	88.176	
620	87.563	-.05
307	87.300	-.08
689	87.000	-.09
004	86.500	-.14
175	88.000	-.31
350	84.050	-.33
720	83.700	-.35
648	83.000	-.41
596	83.000	-.47
590	81.600	-.52
014	80.500	-.61
178	79.500	-.68
354	78.945	-.74
629	78.500	-.76
588	78.000	-.80
529	77.650	-.83
646	77.500	-.84
563	74.720	-1.06
511	73.500	-1.16
709	72.400	-1.25
--	Method 028.03 --	
185	114.00	2.14
413	111.50	1.90
567	111.00	1.84
560	107.50	1.51
300	93.020 R	1.32

Lab	Average*	Index
--	Method 028.03 --	
011	103.31	1.11
520	98.500 R	1.04
297	102.00	1.00
003	99.500	.91
414	97.450	.59
029	94.400	.32
226	94.500	.28
510	93.000	.16
553	92.150	.08
229	92.000	.03
407	91.750	.01
Avg	91.656	
148	90.700	-.10
100	91.000	-.11
405	90.500	-.12
187	88.765	-.28
074	87.000	-.44
512	86.180	-.53
291	84.000	-.74
598	85.000	-.74
083	83.500	-.78
610	82.600	-.86
265	90.000 R	-.87
049	82.010	-.93
026	82.050	-.93
164	81.400	-.98
171	80.000	-1.13
242	79.000	-1.22
550	71.909	-1.89
144	0.2060 s	-8.71
--	Method 028.05 --	
042	127.00	2.07
021	122.50	1.43
357	119.00	1.10
693	120.00	.95
160	118.50	.89
027	119.01	.81
096	115.00	.79

* 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
--	Method 028.05	--
028	118.00	.65
366	117.50	.56
345	114.70	.49
186	115.35	.48
045	116.00	.36
309	115.10	.26
106	114.50	.12
Avg	113.87	
017	113.00	-.13
169	111.50	-.37
668	111.50	-.37
190	109.78	-.63
353	108.60	-.84
616	108.00	-.91
294	107.52	-.98
037	107.80	-1.03
572	102.00	-1.85
202	101.00	-1.98
--	Method 028.99	--
121	121.83	1.30
692	111.50	.47
Avg	105.95	
607	96.270	-.81
721	94.200	-.96
--	Method 030.00	--
307	0.0205	.71
--	Method 031.00	--
620	0.4579	.87
Avg	0.4453	
722	0.4327	-.87
--	Method 031.01	--
609	0.6700 s	11.56
122	0.5250 s	5.07
132	0.4624	2.26
619	0.4610	2.20

Lab	Average*	Index
--	Method 031.01	--
621	0.4500 R	1.92
548	0.4495	1.68
019	0.4350 R	1.52
625	0.4375	1.15
108	0.4150 R	1.13
140	0.4355	1.12
709	0.4350	1.05
263	0.4332	.96
038	0.4310	.89
001	0.4300	.85
233	0.4300	.80
169	0.4300	.80
573	0.4297	.79
629	0.4250	.62
646	0.4250	.62
010	0.4250	.62
723	0.4250	.62
658	0.4200	.57
563	0.4238	.56
036	0.4230	.51
633	0.4134	.43
065	0.4215	.43
607	0.4185	.39
098	0.4200	.36
647	0.4200	.36
656	0.4200	.36
722	0.4193	.32
205	0.4185	.29
152	0.4150	.26
363	0.4150	.26
670	0.4150	.26
Avg	0.4121	
350	0.4052	-.31
175	0.4050	-.39
511	0.4050	-.39
665	0.4050	-.39
650	0.4050	-.39
034	0.4100	-.46
278	0.4100	-.46

Lab	Average*	Index
--	Method 031.01	--
529	0.4000	-.54
142	0.4000	-.54
588	0.4000	-.54
687	0.3950	-.80
354	0.3950	-.80
178	0.3950	-.80
648	0.3950	-.80
035	0.3950	-.80
039	0.3928	-.87
596	0.3900	-1.09
674	0.3850	-1.23
669	0.3845	-1.40
622	0.3766	-1.60
623	0.3850 R	-1.65
651	0.3735	-1.73
653	0.3715	-1.87
026	0.3650	-2.12
689	0.3650	-2.21
--	Method 031.02	--
011	0.4183	.98
505	0.4150	.84
004	0.4050	.40
Avg	0.3986	
043	0.3850	-.71
014	0.3695	-1.47
--	Method 031.03	--
033	0.4415	1.66
036	0.4255	1.06
Avg	0.3974	
047	0.3950	-.21
048	0.3900	-.28
043	0.3900	-.47
720	0.3750	-.86
307	0.3650	-1.23

Lab	Average*	Index
--	Method 031.05	--
032	0.4700	2.33
003	0.4650	2.22
021	0.4678	2.08
520	0.4450 R	1.84
037	0.4600	1.81
309	0.4508	1.41
042	0.4485	1.39
693	0.4230 R	1.39
096	0.4450	1.16
028	0.4450	1.16
685	0.4250	1.08
186	0.4425	1.07
300	0.4376	.97
074	0.4400	.93
645	0.4284	.84
160	0.4350	.73
598	0.4250	.70
512	0.4298	.69
291	0.4300	.66
298	0.4300	.66
358	0.4300	.52
407	0.4300	.52
701	0.4280	.44
144	0.4230	.44
029	0.4270	.43
226	0.4200	.43
168	0.4270	.41
414	0.4250	.37
148	0.4255	.34
610	0.4240	.27
682	0.4200	.11
Avg	0.4174	
185	0.4168	-.06
187	0.4146	-.13
106	0.4135	-.16
083	0.4150	-.23
202	0.4150	-.23
171	0.4150	-.23
229	0.4150	-.23

Lab	Average*	Index
--	Method 031.05	--
353	0.4150	-.23
242	0.4150	-.23
164	0.4110	-.29
553	0.4130	-.45
190	0.4100	-.52
100	0.4100	-.52
027	0.4145	-.53
345	0.4045	-.54
049	0.4050	-.56
668	0.4050	-.57
121	0.4020	-.64
616	0.4110	-.68
089	0.4000	-.72
051	0.4000	-.72
405	0.4000	-.72
567	0.3950	-.95
413	0.4000	-1.10
297	0.4000	-1.10
357	0.3950	-1.12
045	0.3905	-1.12
510	0.3900	-1.21
265	0.3950	-1.39
572	0.3835	-1.48
294	0.3800	-1.55
366	0.3800	-1.55
035	0.3800	-1.60
550	0.3770	-1.67
017	0.3750	-1.86
560	0.3765 R	-2.07
--	Method 031.06	--
686	0.4750	1.03
536	0.4600	.82
Avg	0.4250	
141	0.4000	-.51
138	0.3650	-1.23

* 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
--	Method 031.99 --	
724	0.4050 S	3.45
673	0.4400	1.11
552	0.4250	.68
631	0.4200	.59
676	0.4150	.39
590	0.4100	.21
Avg	0.4029	
692	0.3600	-1.28
588	0.3500	-1.61
--	Method 032.01 --	
609	1.2500	1.84
612	1.2400	1.74
036	1.2270	1.61
035	1.1950	1.30
619	1.1900	1.25
013	1.1550	.92
019	1.1150 R	.82
307	1.1400	.77
010	1.1350	.75
709	1.0900 R	.56
205	1.1100	.51
278	1.1050	.44
098	1.0800	.34
505	1.0900	.29
001	1.0750	.13
039	1.0629	.01
Avg	1.0623	
591	1.0450	-.18
646	1.0500	-.23
038	1.0350	-.30
350	1.0299	-.32
354	1.0300	-.33
363	1.0250	-.37
142	1.0150	-.47
650	1.0150	-.52
529	1.0000	-.61
548	0.9955	-.66
175	0.9900	-.71
--	Method 032.01 --	
563	0.9764	-.84
720	0.9800	-.86
141	0.9350	-1.25
065	0.8885	-1.71
670	0.8050	-2.52
--	Method 032.02 --	
669	1.2280	1.71
665	1.1100	.42
Avg	1.0728	
169	1.0600	-.14
590	1.0650	-.29
588	1.0320	-.45
014	0.9420	-1.44
108	0.7600 S	-3.45
--	Method 032.05 --	
616	1.4900 s	4.35
028	1.3200	2.41
309	1.2510 R	1.80
106	1.2350	1.44
160	1.2325	1.42
510	1.2250	1.34
190	1.2250	1.34
021	1.2090	1.15
042	1.1950	1.07
520	1.2000	1.05
096	1.2000	1.05
121	1.1880	.91
226	1.1850	.88
037	1.1800	.82
027	1.1750	.76
567	1.1650	.65
202	1.1650	.65
693	1.1590	.61
186	1.1609	.60
560	1.1500	.48
685	1.1300	.42
610	1.1350	.42
--	Method 032.05 --	
026	1.1350	.35
668	1.1100	.34
300	1.1155	.31
357	1.1200	.27
035	1.1300	.25
017	1.1100	.23
185	1.1280	.23
011	1.1197	.19
144	1.1200	.18
297	1.1200	.18
294	1.1100	.12
345	1.1150	.10
Avg	1.1079	
366	1.1000	-.09
407	1.1000	-.09
045	1.1000	-.14
572	1.0975	-.15
100	1.0950	-.16
414	1.0850	-.27
148	1.0840	-.28
512	1.0830	-.32
164	1.0785	-.35
291	1.0750	-.41
051	1.0550	-.60
353	1.0450	-.77
029	1.0350	-.83
049	1.0150	-1.07
083	0.9950	-1.28
003	1.0000 R	-1.31
645	0.9930	-1.31
413	0.9800	-1.47
265	0.9850 R	-1.49
229	0.9750	-1.51
171	0.9635	-1.65
358	0.9400	-1.91
187	0.9335	-1.98
550	0.9255	-2.07
242	0.9150	-2.19
405	0.4200 s	-7.82
--	Method 032.99 --	
074	1.1550	.88
692	1.1350	.74
Avg	1.0263	
047	1.0050	-.18
631	0.8100	-1.47
--	Method 033.00 --	
596	2.0000 s	30.96
539	1.1150 s	7.22
160	0.9160	1.81
621	0.9105	1.67
045	0.8935	1.20
620	0.8791	.81
512	0.8713	.75
722	0.8762	.73
298	0.8700	.62
689	0.8650	.45
407	0.8500	.03
Avg	0.8490	
622	0.8434	-.25
651	0.8365	-.34
567	0.8400	-.36
625	0.8435	-.39
366	0.8350	-.40
693	0.8270	-.65
309	0.8239	-.83
034	0.8150	-.93
588	0.8100	-1.08
353	0.8000	-1.32
038	0.8200 R	-1.56
511	0.7750	-2.03
169	0.5500 s	-8.04
297	0.4000 s	-12.09
685	0.3100 s	-14.50
674	0.2250 s	-16.79
--	Method 033.01 --	
686	0.9950 s	3.21
226	0.9750	2.72
098	0.9400	1.91
610	0.9260	1.58
019	0.8950 R	1.18
229	0.8950	.85
202	0.8900	.72
096	0.8850	.62
510	0.8800	.54
278	0.8800	.49
001	0.8785	.48
021	0.8770	.47
633	0.8768	.42
590	0.8650	.38
175	0.8650	.18
205	0.8660	.16
106	0.8595	.13
035	0.8620	.11
185	0.8609	.04
Avg	0.8592	
650	0.8550	-.15
354	0.8500	-.22
199	0.8450	-.35
026	0.8450	-.35
291	0.8400	-.45
413	0.8350	-.58
178	0.8250	-.81
100	0.8250	-.81
029	0.8300	-.83
307	0.8450 R	-.89
004	0.8200	-.92
011	0.8190	-.94
559	0.8500 R	-.96
164	0.8040	-1.30
140	0.8000	-1.41
242	0.7600	-2.38
709	0.3055 s	-13.00

* 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
--	Method 033.03	--
505	0.9750 S	1.84
598	0.9700	1.55
122	0.9050	.66
529	0.9050	.59
048	0.8750	.10
Avg	0.8707	
190	0.8300	-.66
265	0.8350	-.68
144	0.7750	-1.55
--	Method 033.05	--
171	0.8400	.71
--	Method 033.99	--
051	0.9400	1.66
552	0.8750	.86
623	0.8264	.53
681	0.8350	.41
Avg	0.8052	
673	0.8000	-.06
003	0.7500	-.78
723	0.7150	-1.11
630	0.7000	-1.30
619	0.4520 s	-4.36
--	Method 034.01	--
038	0.4910	.98
560	0.4750	.19
Avg	0.4727	
668	0.4520	-1.22
--	Method 034.04	--
572	0.5940	1.92
171	0.5000 R	1.14
610	0.4980	.54
164	0.4950	.50
Avg	0.4600	
512	0.4554	-.13
169	0.4600	-.14
--	Method 034.04	--
026	0.4550	-.22
619	0.4430	-.26
010	0.4150	-.67
190	0.3250	-1.91
--	Method 034.05	--
047	0.7291 S	11.14
414	0.4000	.86
Avg	0.3725	
685	0.3450	-.87
--	Method 034.99	--
096	0.4000	.72
Avg	0.3625	
721	0.3250	-.99
--	Method 035.00	--
142	0.3150 S	3.24
656	0.2950 R	2.57
263	0.2970	2.44
648	0.2700 R	1.56
098	0.2700	1.39
669	0.2665	1.19
233	0.2600	.91
609	0.2550	.73
591	0.2550	.73
653	0.2525	.63
307	0.2500	.50
035	0.2450	.36
720	0.2450	.36
038	0.2425	.30
278	0.2400	.09
Avg	0.2379	
619	0.2340	-.16
505	0.2350	-.24
152	0.2350	-.24
363	0.2300	-.33
175	0.2250	-.57
205	0.2215	-.69
--	Method 035.00	--
529	0.2210	-.70
354	0.2200	-.85
670	0.2150	-.97
122	0.2000	-1.56
065	0.2000	-1.58
650	0.1950	-1.78
709	0.1100 s	-5.28
--	Method 035.01	--
686	0.2905	1.45
Avg	0.2445	
647	0.2400	-.14
138	0.2400	-.17
563	0.2077	-1.16
--	Method 035.03	--
051	0.2900	2.09
616	0.2895	2.09
309	0.2730	1.44
701	0.2740	1.40
187	0.2732	1.36
520	0.2700	1.29
202	0.2700	1.22
353	0.2670	1.09
096	0.2650	1.02
021	0.2647	.99
190	0.2550 R	.86
682	0.2600	.78
037	0.2600	.78
011	0.2551	.69
100	0.2550	.60
297	0.2500	.56
407	0.2520	.43
668	0.2470	.41
560	0.2455	.40
693	0.2500	.38
089	0.2500	.34
226	0.2450	.25
405	0.2450	.25
--	Method 035.03	--
144	0.2460	.24
186	0.2460	.17
291	0.2457	.15
185	0.2435	.14
Avg	0.2422	
035	0.2400	-.10
414	0.2400	-.10
567	0.2400	-.10
610	0.2390	-.14
164	0.2385	-.16
345	0.2385	-.16
148	0.2375	-.21
042	0.2400	-.24
572	0.2340	-.37
045	0.2330	-.41
553	0.2340	-.42
017	0.2400	-.45
645	0.2336	-.49
029	0.2300	-.54
510	0.2250	-.77
366	0.2250	-.79
229	0.2250	-.79
550	0.2250	-.83
242	0.2200	-.97
598	0.2200	-.97
083	0.2150	-1.21
413	0.2150 R	-1.36
298	0.2100	-1.48
171	0.2050	-1.63
358	0.1950	-2.08
049	0.1950	-2.08
265	0.1850	-2.52
--	Method 035.05	--
169	0.2850	2.06
160	0.2642	.94
588	0.2485	.06
Avg	0.2475	
665	0.2450	-.30
--	Method 035.05	--
629	0.2400	-.41
294	0.2350	-.73
106	0.2325	-.83
590	0.2300	-.95
108	0.1850 s	-3.41
--	Method 035.99	--
596	1.4850 S	173.98
588	0.7250 S	66.47
692	0.2550	.71
Avg	0.2550	
--	Method 036.00	--
297	0.5750 S	.00
307	0.4300 S	.00
Avg	0.0000	
--	Method 036.03	--
169	0.3200	2.34
708	0.2865 R	1.57
021	0.3027	1.56
042	0.2890	1.08
265	0.2750	.74
160	0.2817	.67
186	0.2816	.66
202	0.2800	.59
353	0.2700	.16
171	0.2690	.14
Avg	0.2663	
106	0.2590	-.32
560	0.2560	-.46
300	0.2590	-.46
357	0.2600	-.51
294	0.2500	-.70
187	0.2455	-.89
045	0.2445	-.94
366	0.2450	-.94
345	0.2410	-1.10
693	0.2585 R	-1.31

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 036.03 --	
616	0.2305	-1.59
550	0.1195 s	-6.30
--	Method 036.04 --	
226	0.2600	.91
414	0.2600	.91
Avg	0.2473	
510	0.2350	-.95
592	0.2344	-.97
--	Method 037.01 --	
038	105.50	1.80
656	100.34	1.50
505	96.500	1.29
548	93.900	1.16
620	93.425	1.09
720	91.825 R	1.06
591	86.565	.70
619	86.250	.69
278	86.050	.67
035	86.000	.66
669	83.950	.55
140	82.560	.47
098	80.000	.36
175	78.000	.31
307	79.050	.26
653	75.343	.10
Avg	74.528	
648	72.700	-.11
689	69.000	-.34
674	68.500	-.35
590	67.680	-.40
354	66.815	-.45
178	64.000	-.65
350	62.550	-.69
004	60.500	-.85
588	58.000	-.96
709	55.750	-1.10
014	48.500	-1.51
--	Method 037.01 --	
529	46.800	-1.61
563	32.560	-2.43
629	0.7250 s	-4.27
--	Method 037.03 --	
168	143.50 s	4.24
701	136.00 s	3.75
405	121.50	2.81
003	107.00 R	2.23
265	94.000 R	1.37
011	98.428	1.31
413	97.000	1.24
226	94.000	1.03
520	91.500	.99
297	88.500 R	.91
567	91.000	.84
560	90.600	.82
185	90.500	.81
414	90.050	.77
510	85.500	.49
553	83.950	.40
229	81.000	.27
148	81.600	.24
407	81.000	.19
100	80.500	.16
Avg	78.090	
187	76.320	-.12
029	76.350	-.14
049	73.875	-.28
164	73.750	-.28
291	72.000	-.39
358	71.700	-.45
144	69.150	-.58
171	68.000	-.66
610	67.300	-.70
512	67.880	-.70
074	67.000	-.74
083	65.500	-.81
026	61.400	-1.08
--	Method 037.03 --	
598	53.500	-1.60
242	49.500	-1.85
550	49.452	-1.85
--	Method 037.05 --	
309	109.90	1.71
202	108.50	1.55
693	95.000 R	1.10
357	99.500	.90
042	102.50	.88
027	101.77	.88
021	102.05	.83
186	101.45	.78
169	101.00	.75
160	98.500	.58
096	98.500	.44
616	95.750	.24
106	95.650	.14
190	95.345	.10
Avg	94.504	
047	93.666	-.12
028	92.500	-.23
045	90.200	-.47
017	90.500	-.75
572	88.100	-.75
353	87.100	-.84
366	85.000	-1.07
668	83.050 R	-1.62
294	79.255	-1.67
345	78.910	-1.72
037	77.950	-1.83
--	Method 037.99 --	
121	88.365	1.17
607	84.639	.75
692	79.950	.29
Avg	78.331	
596	71.000	-.93
721	67.700	-1.27
--	Method 038.00 --	
021	4.0000 s	9.84
011	2.9775 S	4.94
045	2.1500	1.21
510	1.9000	.44
169	1.8700	.37
Avg	1.7567	
300	1.6035	-.57
560	1.2600	-1.54
--	Method 038.99 --	
164	1.6000	.00
--	Method 039.01 --	
164	8.4500	.71
--	Method 039.02 --	
021	20.500 s	4.84
011	12.045	.82
045	11.800	.72
553	11.500	.62
567	11.075	.54
Avg	9.8058	
560	7.1150	-.98
668	5.3000	-1.63
--	Method 040.00 --	
560	5.5550	.71
--	Method 041.00 --	
011	0.9248	.71
--	Method 051.00 --	
227	77.500	1.58
511	75.500	1.22
610	75.000	1.21
036	73.000	.90
035	70.750	.61
027	68.950	.43
034	66.000	.00
--	Method 051.00 --	
Avg	65.963	
029	65.450	-.23
013	63.150	-.55
218	60.930	-.66
043	59.800	-.78
028	57.500	-1.12
010	56.950	-1.14
004	53.000	-1.65
--	Method 051.03 --	
674	161.00 s	8.82
003	86.015	1.58
036	82.500	1.26
Avg	69.644	
033	66.850	-.27
038	67.600	-.34
512	64.275	-.57
001	62.369	-.77
017	57.900	-1.13
--	Method 082.00 --	
035	0.0062	1.63
004	0.0055	.53
033	0.0055	.40
Avg	0.0053	
017	0.0051	-.42
047	0.0051	-.55
034	0.0046	-1.39
--	Method 082.01 --	
038	0.0059	1.05
001	0.0062	.98
512	0.0060	.65
003	0.0060	.50
Avg	0.0058	
043	0.0055	-.97
019	0.0054	-1.35

* 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
--	Method 082.02	--
218	0.0067	1.15
Avg	0.0067	
027	0.0067	-.43
--	Method 105.00	--
160	2.6800	.71
--	Method 106.00	--
171	6.3000	.80
Avg	5.6525	
033	5.0050	-.93
--	Method 106.02	--
619	9.1600	2.36
616	8.3950	1.81
512	7.0125	.79
227	6.8550	.77
169	6.3000	.41
160	6.1550	.23
Avg	6.1109	
096	6.0350	-.07
004	5.8600	-.20
676	5.7700	-.26
670	5.7900	-.27
021	5.7300	-.31
560	5.6650	-.36
199	5.3050	-.62
038	5.8370 R	-.75
028	5.0360	-.83
563	4.3804	-1.34
610	4.3250	-1.40
242	0.6200 s	-4.23
--	Method 106.99	--
003	5.7000	.87
Avg	4.4410	
596	3.1820	-.87
--	Method 108.02	--
560	10.800	.87
Avg	7.4025	
676	4.0050	-.86
--	Method 109.02	--
563	16.144	1.53
227	13.250	.92
610	10.450	.34
676	9.5600	.15
560	9.0300	.05
Avg	8.8780	
096	7.0000	-.45
199	5.5900	-.69
619	0.0000	-1.87
--	Method 120.00	--
160	0.6163	1.90
571	0.5810	.90
619	0.5735	.66
652	0.5650	.57
350	0.5630	.35
227	0.5600	.21
Avg	0.5532	
676	0.5375	-.77
644	0.5270	-.86
038	0.5295	-.96
662	0.5249	-.97
684	0.5070	-1.40
--	Method 121.00	--
160	0.6116	1.88
571	0.5790	.94
652	0.5650	.33
Avg	0.5566	
662	0.5537	-.10
619	0.5555	-.29
350	0.5540	-.39
644	0.5470	-.55
227	0.5200	-1.25
--	Method 121.00	--
038	0.5240	-1.36
684	0.4570 s	-3.51
676	0.4595 s	-3.77
--	Method 122.00	--
619	0.9950	1.54
652	0.9800	.95
662	0.9635	.46
160	0.9603	.32
227	0.9550	.22
Avg	0.9495	
350	0.9410	-.39
644	0.9395	-.76
684	0.9060	-1.41
676	0.9055	-1.47
038	0.9170 R	-2.21
571	0.5260 s	-17.80
--	Method 124.00	--
160	0.2084	1.54
652	0.1950	1.16
662	0.1969	1.09
Avg	0.1732	
684	0.1685	-.26
571	0.1620	-.50
644	0.1600	-.60
350	0.1560	-.76
038	0.1675	-.89
619	0.1450	-1.25
--	Method 124.02	--
227	0.1400	.00
--	Method 124.05	--
610	0.1600	.00
--	Method 125.00	--
652	1.6250	1.53
571	1.5550	.73
160	1.5616	.63
619	1.5500	.63
662	1.5609	.63
350	1.5225	.31
Avg	1.5159	
227	1.4950	-.30
676	1.4480	-1.02
644	1.4445	-1.15
684	1.3965	-1.71
038	1.4540 R	-1.74
--	Method 126.00	--
160	0.5342	2.06
571	0.5040	.95
652	0.5050	.94
619	0.4815	.33
Avg	0.4815	
350	0.4770	-.36
684	0.4715	-.40
662	0.4763	-.56
644	0.4625	-.83
227	0.4600	-.84
676	0.4565	-1.07
038	0.4680	-1.11
--	Method 127.00	--
676	0.3190	2.27
571	0.2750	.87
652	0.2750	.86
Avg	0.2490	
160	0.2477	-.06
619	0.2470	-.17
662	0.2437	-.22
644	0.2410	-.31
350	0.2360	-.43
227	0.2250	-.79
038	0.2210	-.96
--	Method 127.00	--
684	0.2085	-1.39
--	Method 128.00	--
662	0.3703	1.03
571	0.3685	.97
676	0.3640	.82
350	0.3555	.53
652	0.3550	.53
160	0.3535	.45
644	0.3480	.40
Avg	0.3405	
619	0.3365	-.21
227	0.3100	-1.05
038	0.2945	-1.62
684	0.2900	-1.76
--	Method 129.00	--
571	0.7680	1.28
619	0.7605	1.09
652	0.7550	.88
350	0.7475	.66
662	0.7411	.48
Avg	0.7279	
644	0.7205	-.60
160	0.7067	-.67
227	0.7050	-.74
676	0.6990	-.92
038	0.7090 R	-1.46
684	0.6755	-1.74
--	Method 130.00	--
350	0.5190	1.33
160	0.5070	.96
571	0.4940	.63
676	0.4880	.54
662	0.4832	.30
652	0.4800	.12
Avg	0.4762	
619	0.4735	-.16

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

AAFCO - Feed Check Sample No. - 200722 Preconditioning/Receiving Chow, Medicate

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 130.00	--
644	0.4700	-.36
038	0.4685 R	-1.09
227	0.4400	-1.12
684	0.4070	-2.14
--	Method 130.05	--
610	0.4850	.71
--	Method 131.00	--
644	0.1635	1.20
160	0.1622	1.13
571	0.1470	.41
652	0.1450	.38
662	0.1396	.09
Avg	0.1389	
619	0.1315	-.37
350	0.1235	-.75
038	0.1135 R	-1.34
684	0.0990	-1.94
--	Method 131.02	--
227	0.1250	1.12
Avg	0.1233	
676	0.1215	-.49
--	Method 131.05	--
610	0.1500	.00
--	Method 132.00	--
652	0.5100 s	2.77
662	0.4742	1.54
350	0.4615	1.06
619	0.4460	.64
160	0.4361	.32
676	0.4260	.25
571	0.4305	.24
Avg	0.4248	
227	0.4200	-.14
644	0.4135	-.41
--	Method 132.00	--
038	0.3785	-1.41
684	0.3620	-1.79
--	Method 133.00	--
652	0.6600	1.29
662	0.6497	1.02
619	0.6300	.61
160	0.6311	.50
571	0.6285	.43
227	0.6150	.41
644	0.6145	.35
Avg	0.6128	
676	0.5865	-.73
038	0.5730	-1.09
684	0.5400	-1.99
--	Method 134.00	--
160	0.5014	1.44
038	0.4835	1.29
571	0.4855	1.00
619	0.4655	.40
662	0.4671	.28
Avg	0.4618	
227	0.4600	-.07
350	0.4520	-.40
684	0.4515	-.61
652	0.4300	-1.36
644	0.4220	-1.46
676	0.3255 s	-4.93
--	Method 135.00	--
571	0.4120	1.07
160	0.4069	.81
619	0.4010	.68
227	0.4000	.57
652	0.3850	.53
644	0.3925	.40
350	0.3925	.30
Avg	0.3841	
662	0.3767	-.27
038	0.3815 R	-1.02
684	0.3515	-1.19
676	0.3225	-2.21
--	Method 135.05	--
610	0.3400	.00
--	Method 136.00	--
662	0.1444	.86
Avg	0.1230	
684	0.1015	-.87
038	0.0600 S	-2.54
--	Method 136.01	--
160	0.1275	1.21
227	0.1200	.61
Avg	0.1116	
644	0.1020	-.72
571	0.0970	-1.07
--	Method 136.99	--
610	0.1100	.00
--	Method 137.00	--
160	0.3832	1.63
350	0.3495	.90
038	0.3350	.77
684	0.3380	.61
Avg	0.3236	
662	0.3111	-.42
644	0.3030	-.57
676	0.2990	-.67
227	0.2700	-1.46
--	Method 138.00	--
662	0.5142	1.20
676	0.5105	1.13
619	0.4990	.89
--	Method 138.00	--
571	0.4820	.54
350	0.4760	.42
644	0.4575	.24
652	0.4600	.09
Avg	0.4558	
160	0.4362	-.40
227	0.4250	-.64
038	0.4005	-1.17
684	0.3530	-2.13
--	Method 300.01	--
615	5.5000	.00

* 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	8	0.4900	1.68	0.14	009.09	16	-0.0218	0.97	0.30
001.03	4	0.0000	1.07	0.14	009.99	3	0.0000	1.07	0.27
001.07	41	6.4009	41.59	0.51	010.11	7	0.5016	1.63	0.22
001.08	3	-0.9621	1.85	0.36	010.99	12	0.0000	1.02	0.07
001.99	14	1.0380	3.10	0.38	011.01	75	-0.1704	2.72	0.22
002.00	4	0.0000	1.02	0.31	011.99	3	-3.6665	3.18	0.95
002.01	11	2.1944	7.34	0.32	012.00	9	0.0000	1.00	0.24
002.02	11	-0.4815	1.40	0.63	012.01	2	0.0000	1.10	0.38
002.03	3	0.0000	1.03	0.36	012.03	2	0.0000	1.06	0.44
002.04	3	0.7313	1.53	0.20	012.04	5	0.0000	1.06	0.04
002.05	23	0.0000	0.98	0.25	013.02	17	0.0000	1.00	0.16
002.06	119	0.0396	1.08	0.33	013.10	16	0.0000	0.96	0.33
002.08	7	-0.2600	1.14	0.79	015.00	10	0.1562	1.05	0.39
002.10	6	0.0000	0.98	0.34	016.00	2	0.0000	0.90	0.59
002.11	11	3.5193	11.31	11.12	017.00	8	0.2073	1.04	0.78
002.99	4	-17.0973	48.04	0.68	018.02	2	0.0000	0.41	0.82
003.00	31	-0.2032	1.62	0.63	019.00	16	1.2028	7.07	0.43
003.06	27	0.4526	2.85	0.38	019.01	55	0.1319	1.94	0.29
003.09	29	-0.0014	0.92	0.46	019.03	6	0.0000	1.03	0.17
003.10	34	-0.0820	1.20	0.28	019.05	44	-0.0762	1.16	0.65
003.11	9	-0.4554	1.59	0.80	019.08	6	0.0000	1.01	0.25
003.12	6	0.0000	0.93	0.45	019.09	25	0.1210	1.13	0.30
003.13	3	0.0000	1.02	0.38	019.99	7	9.3264	21.69	0.51
003.14	11	0.0674	0.96	0.36	020.01	7	0.0000	1.02	0.21
003.99	6	7.6108	13.69	0.50	020.99	2	101.2341	143.17	0.97
004.00	26	0.0912	1.03	0.24	021.01	4	0.0000	0.98	0.38
004.01	2	0.0000	1.17	0.26	021.02	13	0.0000	0.99	0.23
004.03	4	0.0000	1.00	0.36	021.99	3	0.0000	0.93	0.51
004.06	28	0.0917	1.07	0.32	022.01	32	0.5494	3.18	0.23
004.07	47	0.0407	1.34	0.22	022.03	35	0.4699	2.30	1.04
004.11	10	-0.6231	2.08	1.72	022.05	25	0.0446	0.93	0.49
004.99	5	-5.1306	7.89	0.37	022.99	4	0.0000	1.03	0.27
005.00	125	-0.0187	1.12	0.35	025.01	22	0.1115	1.06	0.23
005.11	7	-0.7704	1.59	0.20	025.03	32	0.0507	0.97	0.37
005.99	11	-1.4164	3.95	0.96	025.05	19	2.0611	8.95	8.69
008.02	18	0.0000	1.01	0.13	027.01	34	-0.0252	1.09	0.22
008.08	20	0.0280	0.96	0.32	027.03	38	250.0516	1495.19	23.18
008.99	6	0.0000	1.03	0.19	027.05	23	0.0470	0.97	0.36
009.07	17	0.0000	1.01	0.14	027.99	2	0.0000	1.03	0.47

AAFCO - Feed Check Sample No. - 200722 Preconditioning/Receiving Chow, Medicate

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
028.01	31	0.1071	1.15	0.14
028.03	34	-0.2379	1.77	0.34
028.05	24	0.0000	0.95	0.35
028.99	4	0.0000	1.06	0.17
031.00	2	0.0000	1.22	0.02
031.01	60	0.3044	1.88	0.37
031.02	5	0.0000	1.02	0.26
031.03	7	0.0000	1.02	0.20
031.05	67	-0.0048	0.93	0.49
031.06	4	0.0000	1.05	0.22
031.99	8	0.0080	0.95	1.23
032.01	32	0.0245	0.97	0.20
032.02	7	-0.4922	1.61	0.15
032.05	60	-0.0745	1.53	0.20
032.99	4	0.0000	1.07	0.10
033.00	27	-0.5214	8.14	0.39
033.01	36	-0.2644	2.43	0.31
033.03	8	0.2040	1.09	0.40
033.99	9	-0.4844	1.73	0.21
034.01	3	0.0000	0.69	0.72
034.04	10	0.0566	0.97	0.35
034.05	3	3.7123	6.49	0.17
034.99	2	0.0000	1.02	0.48
035.00	28	0.0565	1.58	0.33
035.01	4	0.0000	1.08	0.05
035.03	54	-0.0117	0.98	0.25
035.05	9	-0.3779	1.48	0.20
035.99	3	80.1388	87.78	2.12
036.00	2	0.0000	0.00	0.00
036.03	22	-0.2620	1.63	0.46
036.04	4	0.0000	1.05	0.23
037.01	30	-0.1091	1.26	0.14
037.03	36	0.3203	1.34	0.31
037.05	25	-0.0481	0.97	0.39
037.99	5	0.0000	1.03	0.23
038.00	7	1.5161	2.87	2.93
039.02	7	0.5538	1.75	1.10
051.00	14	0.0000	0.98	0.26
051.03	8	1.1024	3.26	0.20
082.00	6	0.0000	1.01	0.24
082.01	6	0.0000	0.89	0.50
082.02	2	0.0000	0.41	0.82
106.00	2	0.0000	1.12	0.35
106.02	18	-0.2468	1.36	0.28
106.99	2	0.0000	1.22	0.00
108.02	2	0.0000	1.22	0.05
109.02	8	0.0000	1.03	0.09
120.00	11	0.0000	0.94	0.38
121.00	11	-0.6109	1.60	0.70
122.00	11	-1.2299	3.85	3.87
124.00	9	0.0000	0.95	0.39
125.00	11	-0.0780	0.95	0.56
126.00	11	0.0000	0.92	0.42
127.00	11	0.0000	1.00	0.21
128.00	11	0.0000	1.01	0.18
129.00	11	-0.0545	0.95	0.49
130.00	11	-0.0216	0.95	0.38
131.00	9	-0.1372	1.05	0.20
131.02	2	0.0000	0.52	0.78
132.00	11	0.2170	1.16	0.53
133.00	10	0.0000	1.00	0.22
134.00	11	-0.4467	1.70	0.49
135.00	11	-0.0083	0.93	0.41
136.00	3	-0.8400	1.69	0.19
136.01	4	0.0000	1.06	0.19
137.00	8	0.0000	0.95	0.38
138.00	11	0.0000	1.01	0.14