

Feed Check Sample No. - 200825 Lamb Milk Replacer, Medicated
 Association of American Feed Control Officials

- Pass 1 Results for 198 Labs - - Pass 2 Results for 195 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, as Protein Colorimetric	967.07	000.02	1	22.5700	0.39598	0.56000	1	22.5700	0.39598	0.56000
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	7	2.70091	0.32608	0.08969	7	2.70091	0.32608	0.08969
Loss on Drying, ISO 6496		001.03	5	2.82500	0.16508	0.12200	5	2.82500	0.16508	0.12200
Loss on Drying, LECO		001.05	1	2.70000	0.00000	0.00000	1	2.70000	0.00000	0.00000
Loss on Drying, 104 deg 3 hr, in malt .	935.29	001.07	30	2.81588	0.38064	0.09990	29	2.84057	0.35807	0.08266
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	2	3.24300	0.23112	0.05800	2	3.24300	0.23112	0.05800
Loss on Drying, Misc		001.99	14	2.83393	0.84061	0.28357	13	2.83115	0.83815	0.17154
Method Group 001.XX PCT			59	2.81981	0.50944	0.14103	57	2.83156	0.49434	0.10493
Protein, Crude	954.01	002.00	5	22.0220	0.28425	0.15600	5	22.0220	0.28425	0.15600
Protein, Auto Kjel-Foss	976.05	002.01	11	21.6847	0.38244	0.10424	11	21.6847	0.38244	0.10424
Protein, Semiauto Autoanalyzer	976.06	002.02	9	21.9320	0.95410	0.08254	9	21.9320	0.95410	0.08254
Protein, Hach Method		002.03	1	21.2850	0.04950	0.07000	1	21.2850	0.04950	0.07000
Protein, Copper Cat	984.13	002.04	5	22.1840	0.85986	0.09200	5	22.1840	0.85986	0.09200
Protein, Copper, Boric Acid		002.05	19	21.9315	0.54606	0.14131	18	21.9510	0.54011	0.09027
Protein, Combustion Nitrogen Analyzer	990.03	002.06	112	22.4599	0.42392	0.20008	106	22.4533	0.38456	0.15735
Protein, Cu/Ti	988.05	002.08	5	22.1306	0.16306	0.03046	4	22.1258	0.18259	0.01308
Protein, Block dig/distillation		002.10	7	21.9371	0.45962	0.17429	7	21.9371	0.45962	0.17429
Protein, NIR		002.11	8	21.6313	0.71977	0.12500	8	21.2519	0.60777	0.08875
Protein, Misc		002.99	5	21.8330	0.29140	0.19000	5	21.8330	0.29140	0.19000
Method Group 002.XX PCT			187	22.2293	0.57373	0.16907	178	22.2166	0.55514	0.13627
Fat, Eth Ext, Direct	920.39	003.00	27	18.5052	7.57951	0.33163	26	18.2298	7.58861	0.28016
Fat, Ind Eth Ext (13th ed), Indirect ..	920.39	003.01	2	26.4975	4.49085	0.93500	2	26.4975	4.49085	0.93500
Fat, In Fish Meal	948.04	003.04	1	9.57500	0.13435	0.19000	1	9.57500	0.13435	0.19000
Fat, Pet Ether		003.06	18	17.1221	6.97451	0.32706	17	17.0208	7.16772	0.27041
Fat, Soxtec, Eth Ext		003.09	10	18.8776	8.72842	0.42609	10	18.8776	8.72842	0.42609
Fat, Soxtec, Pet Ether		003.10	21	16.4173	9.08582	0.31894	19	16.9457	9.39557	0.17094
Fat, NIR		003.11	7	30.9329	4.17909	0.24000	7	30.9329	4.17909	0.24000
Fat, Hexane Ext.		003.12	2	9.18000	3.21161	0.17000	2	9.18000	3.21161	0.17000
Fat, Soxtec, Hexane Ext.		003.13	4	12.4350	3.85522	0.49000	4	12.4350	3.85522	0.49000
Fat, Ankom		003.14	6	21.0700	0.86308	0.68500	6	21.0700	0.86308	0.68500
Fat, Misc		003.99	5	28.0620	6.67187	0.26400	5	28.0620	6.67187	0.26400
Method Group 003.XX PCT			103	18.9836	8.50555	0.36184	99	19.0707	8.57938	0.31172
Fiber, Crude Asbestos Free	962.09	004.00	18	0.19003	0.13582	0.02686	17	0.19238	0.13896	0.02255
Fiber, Fritted Glass	978.10	004.03	2	0.11050	0.04902	0.05200	2	0.11050	0.04902	0.05200
Fiber, Fibertec		004.06	25	0.29444	0.21505	0.04829	24	0.27963	0.20409	0.03780
Fiber, ANKOM		004.07	21	0.63476	0.33943	0.09333	20	0.59650	0.29587	0.07800
Fiber, NIR		004.11	1	1.30000	0.42426	0.60000	1	1.30000	0.42426	0.60000
Fiber, Misc		004.99	3	0.37167	0.16376	0.03667	3	0.37167	0.16376	0.03667
Method Group 004.XX PCT			70	0.38211	0.32109	0.06378	67	0.36638	0.29842	0.05470

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Ash,	942.05	005.00	120	5.37947	0.08150	0.04175	114	5.38019	0.07649	0.03317
Ash, LECO		005.02	1	5.42500	0.00707	0.01000	1	5.42500	0.00707	0.01000
Ash, Misc		005.99	10	5.42150	0.12128	0.06700	9	5.42500	0.11833	0.04333
Method Group 005.XX PCT			131	5.38303	0.08539	0.04344	124	5.38380	0.08057	0.03372
Sugar, TSI, Lane-Eynon (12th)	923.09	006.05	1	21.4450	0.00707	0.01000	1	21.4450	0.00707	0.01000
Sugar, Misc		006.99	1	30.5500	0.07071	0.10000	1	30.5500	0.07071	0.10000
Method Group 006.XX PCT			2	25.9975	5.25693	0.05500	2	25.9975	5.25693	0.05500
Fiber, Acid Detergent	973.18	008.02	4	0.16000	0.16827	0.03000	4	0.16000	0.16827	0.03000
Fiber, Acid Detergent-Hach		008.05	1	1.90000	0.70711	1.00000	1	1.90000	0.70711	1.00000
Fiber, Acid Detergent by ANKOM		008.08	9	0.39056	0.33592	0.15000	8	0.35188	0.30363	0.06875
Fiber, Acid Detergent Misc		008.99	2	0.12000	0.12728	0.01000	2	0.12000	0.12728	0.01000
Method Group 008.XX PCT			16	0.39344	0.50608	0.15563	15	0.37300	0.50580	0.11267
Fiber, Neutral Det-No ENZ Pretreat		009.04	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Fiber, Neutral Det-ENZ Pretreat		009.07	3	0.25667	0.29676	0.08667	3	0.25667	0.29676	0.08667
Fiber, Neutral Detergent by ANKOM		009.09	9	0.73167	0.52136	0.05444	8	0.68563	0.53514	0.03625
Method Group 009.XX PCT			13	0.56577	0.52039	0.05769	12	0.52125	0.51633	0.04583
Moisture, Karl-Fischer	966.20	010.03	3	2.50000	0.21147	0.08667	3	2.50000	0.21147	0.08667
Moisture, NIR		010.11	8	3.69641	0.95104	0.06377	8	3.69641	0.95104	0.06377
Moisture, Misc		010.99	17	3.56840	1.70803	0.07758	17	3.56840	1.70803	0.07758
Method Group 010.XX PCT			28	3.49050	1.45749	0.07461	28	3.49050	1.45749	0.07461
Loss on Drying, 135 deg 2 hr	930.15	011.01	64	6.84545	1.49391	0.20702	60	6.76382	1.46655	0.13349
Loss on Drying, High Temp Methods, Misc		011.99	2	5.05500	0.95025	0.12000	2	5.05500	0.95025	0.12000
Method Group 011.XX PCT			66	6.79120	1.50971	0.20438	62	6.70869	1.48147	0.13305
Starch, Polarimetric (Ewers)		012.00	3	7.62667	3.04866	0.10000	3	7.62667	3.04866	0.10000
Starch, Megazyme		012.01	3	0.43000	0.30997	0.04000	3	0.43000	0.30997	0.04000
Starch, Enzymatic		012.03	2	2.45000	2.87540	0.63000	2	2.45000	2.87540	0.63000
Starch, YSI Analyzer		012.04	1	0.05500	0.00707	0.01000	1	0.05500	0.00707	0.01000
Method Group 012.XX PCT			9	3.23611	3.89097	0.18778	9	3.23611	3.89097	0.18778
Fat, Mojonier, Bak Ext	954.02	013.02	29	32.8802	0.88144	0.23228	27	32.9275	0.74899	0.20096
Fat, Roese-Gottlieb	932.02	013.03	7	33.1131	1.10747	0.74043	7	33.1131	1.10747	0.74043
Fat, Roese-Gottlieb Modified.....		013.08	4	32.7988	0.31863	0.18750	4	32.7988	0.31863	0.18750
Fat, Soxtec-Acid Hydrolysis		013.10	20	31.5697	1.43774	0.44395	19	31.5079	1.43678	0.38153
Fat, Super Critical Fluid Extraction ..		013.11	1	33.0450	0.36062	0.51000	1	33.0450	0.36062	0.51000
Fat, NIR-Acid Hydrolysis		013.12	4	32.3338	1.41938	0.27750	4	32.3338	1.41938	0.27750
Fat, Ankon-Acid Hydrolysis		013.13	2	31.4900	0.59816	0.29000	2	31.4900	0.59816	0.29000
Fat, Pretreat or extended ext, misc ...		013.99	2	32.3500	0.25166	0.30000	2	32.3500	0.25166	0.30000
Method Group 013.XX PCT			69	32.4343	1.23932	0.35287	66	32.4354	1.22302	0.32436
Aluminum, ICP		015.00	14	76.9465	10.7734	2.05164	13	75.8270	10.2315	1.36331
Method Group 015.XX PPM			14	76.9465	10.7734	2.05164	13	75.8270	10.2315	1.36331

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Arsenic, AA, Hydride		016.00	1	0.03350	0.00778	0.01100	1	0.03350	0.00778	0.01100
Arsenic, Total	957.22	016.01	1	0.01500	0.00707	0.01000	1	0.01500	0.00707	0.01000
Method Group 016.XX PPM			2	0.02425	0.01228	0.01050	2	0.02425	0.01228	0.01050
Boron, ICP		017.00	3	2.03500	0.23458	0.07667	3	2.03500	0.23458	0.07667
Boron, Misc		017.99	2	1.72500	0.12152	0.13000	2	1.72500	0.12152	0.13000
Method Group 017.XX PPM			5	1.91100	0.24723	0.09800	5	1.91100	0.24723	0.09800
Cadmium, ICP		018.02	2	0.00638	0.00558	0.00205	2	0.00638	0.00558	0.00205
Method Group 018.XX PPM			2	0.00638	0.00558	0.00205	2	0.00638	0.00558	0.00205
Calcium, Ox-Mn04 Vol	927.02	019.00	11	0.56039	0.04007	0.01730	11	0.56039	0.04007	0.01730
Calcium, At Abs Spect	968.08	019.01	44	0.56447	0.03820	0.01488	41	0.56235	0.03205	0.01043
Calcium, Hach Method		019.02	1	0.56000	0.00000	0.00000	1	0.56000	0.00000	0.00000
Calcium, Semiauto (Autoanalyzer)		019.03	5	0.59753	0.02353	0.01050	5	0.59753	0.02353	0.01050
Calcium, ICP, Dry Ash.....		019.05	37	0.55261	0.02729	0.01095	35	0.55319	0.02677	0.00843
Calcium, EDTA		019.08	5	0.55731	0.03803	0.01986	5	0.55731	0.03803	0.01986
Calcium, ICP, Wet Ash		019.09	29	0.57321	0.04665	0.01543	28	0.57793	0.03987	0.01498
Calcium, Misc		019.99	5	0.55770	0.04931	0.01260	5	0.55770	0.04931	0.01260
Method Group 019.XX PCT			137	0.56346	0.03855	0.01396	131	0.56402	0.03531	0.01181
Chromium, ICP		020.01	3	0.36633	0.28955	0.04400	3	0.36633	0.28955	0.04400
Chromium, Misc		020.99	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Method Group 020.XX PPM			4	0.27475	0.29773	0.03300	4	0.27475	0.29773	0.03300
Cobalt, AA	968.08	021.01	4	1.28731	0.29955	0.06483	4	1.28731	0.29955	0.06483
Cobalt, ICP		021.02	14	1.00311	0.24987	0.07164	14	1.00311	0.24987	0.07164
Cobalt, Misc.		021.99	1	1.06525	0.00658	0.00930	1	1.06525	0.00658	0.00930
Method Group 021.XX PPM			19	1.06621	0.27590	0.06693	19	1.06621	0.27590	0.06693
Copper, AA	968.08	022.01	15	1.47763	0.94262	0.20220	13	1.37523	0.88633	0.03923
Copper, ICP, Dry Ash	968.08	022.03	20	2.08376	1.95355	0.55126	19	2.00922	1.88962	0.31712
Copper, ICP, Wet Ash	968.08	022.05	16	1.28585	1.16346	0.12544	15	1.17814	1.11887	0.10547
Copper, Misc		022.99	1	6.85000	0.21213	0.30000	1	6.85000	0.21213	0.30000
Method Group 022.XX PPM			52	1.75506	1.65525	0.31472	48	1.67865	1.64045	0.17536
Iron, Color	935.12	025.00	1	89.5400	3.97394	5.62000	1	89.5400	3.97394	5.62000
Iron, AA	968.08	025.01	18	98.5762	15.1150	4.76534	17	98.9413	15.3420	4.03624
Iron, ICP, Dry Ash	968.08	025.03	28	100.517	22.0926	9.36461	26	98.9803	20.9544	6.16188
Iron, ICP, Wet Ash	968.08	025.05	19	100.249	25.8787	10.2264	18	100.457	26.1364	8.51678
Iron, Misc		025.99	2	90.9068	19.5115	5.22640	2	90.9068	19.5115	5.22640
Method Group 025.XX PPM			68	99.4844	21.3232	8.21117	64	98.9855	20.9509	6.22187
Lead, Misc		026.99	2	0.06050	0.07256	0.02400	2	0.06050	0.07256	0.02400
Method Group 026.XX PPM			2	0.06050	0.07256	0.02400	2	0.06050	0.07256	0.02400
Magnesium, AA	968.08	027.01	24	0.08576	0.00732	0.00183	22	0.08583	0.00685	0.00109
Magnesium, ICP, Dry Ash	968.08	027.03	34	0.08514	0.00676	0.00156	31	0.08548	0.00665	0.00074

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Magnesium, ICP, Wet Ash	968.08	027.05	25	0.08683	0.00590	0.00178	22	0.08630	0.00559	0.00089
Magnesium, Misc.		027.99	2	0.08463	0.00553	0.00358	2	0.08463	0.00553	0.00358
Method Group 027.XX PCT			85	0.08580	0.00665	0.00175	77	0.08579	0.00635	0.00096
Manganese, Color	917.04	028.00	1	45.1050	1.01116	1.43000	1	45.1050	1.01116	1.43000
Manganese, AA	968.08	028.01	22	44.0796	8.90613	2.97285	21	43.7976	8.84732	2.35251
Manganese, ICP, Dry Ash	968.08	028.03	31	46.0362	8.08033	4.62297	30	46.2107	7.93838	4.09707
Manganese, ICP, Wet Ash	968.08	028.05	26	45.5438	10.5647	4.63562	26	45.5438	10.5647	4.63562
Manganese, Misc.		028.99	3	55.0131	6.68103	4.92490	3	55.0131	6.68103	4.92490
Method Group 028.XX PPM			83	45.6766	9.19644	4.16199	81	45.6834	9.16846	3.81538
Mercury,		029.00	1	0.00350	0.00071	0.00100	1	0.00350	0.00071	0.00100
Phosphorus, Photometric	965.17	031.01	54	0.40751	0.01850	0.00980	52	0.40761	0.01820	0.00863
Phosphorus, GQMP (2.028)	964.06	031.02	4	0.40321	0.01023	0.00613	4	0.40321	0.01023	0.00613
Phosphorus, Autoanalyzer		031.03	7	0.39336	0.02311	0.00670	6	0.39309	0.02429	0.00282
Phosphorus, ICP		031.05	65	0.40034	0.02421	0.00962	64	0.40018	0.02424	0.00914
Phosphorus, Hach Method		031.06	3	0.39333	0.00816	0.00667	3	0.39333	0.00816	0.00667
Phosphorus, Misc		031.99	8	0.40781	0.02265	0.01263	8	0.40781	0.02265	0.01263
Method Group 031.XX PCT			141	0.40310	0.02178	0.00955	137	0.40308	0.02176	0.00873
Potassium, AA	975.03	032.01	18	1.28914	0.06800	0.02472	18	1.28914	0.06800	0.02472
Potassium, Flame Emission	956.01	032.02	4	1.37200	0.01501	0.01050	4	1.37200	0.01501	0.01050
Potassium, ICP		032.05	54	1.28582	0.07747	0.03092	51	1.28043	0.07357	0.02349
Potassium, Misc		032.99	1	1.46500	0.04950	0.07000	1	1.46500	0.04950	0.07000
Method Group 032.XX PCT			77	1.29340	0.07768	0.02892	74	1.28999	0.07546	0.02371
Salt, Sol Cl	943.01	033.00	14	1.90493	0.08525	0.05002	13	1.90262	0.08194	0.03618
Salt, Poten Cl	969.10	033.01	21	1.91064	0.03654	0.02767	21	1.91064	0.03654	0.02767
Salt, Quantab		033.03	2	1.86500	0.27574	0.06000	2	1.86500	0.27574	0.06000
Salt, Ion Sel Electrode		033.05	2	1.95650	0.04581	0.03200	2	1.95650	0.04581	0.03200
Salt, Misc		033.99	7	1.83714	0.12718	0.03714	7	1.83714	0.12718	0.03714
Method Group 033.XX PCT			46	1.89773	0.09220	0.03751	45	1.89690	0.09145	0.03323
Selenium, Fluor	969.06	034.01	3	0.48300	0.01921	0.01133	3	0.48300	0.01921	0.01133
Selenium, AA, Hydride		034.04	9	0.46817	0.20676	0.03056	8	0.44881	0.21100	0.02188
Selenium, ICP		034.05	4	0.39008	0.16718	0.02110	4	0.39008	0.16718	0.02110
Selenium, Misc		034.99	2	0.51500	0.10116	0.03000	2	0.51500	0.10116	0.03000
Method Group 034.XX PPM			18	0.45849	0.16991	0.02519	17	0.44881	0.16950	0.02079
Sodium, AA		035.00	23	0.43882	0.03668	0.00816	23	0.44245	0.04117	0.00660
Sodium, Ion Sel Electrode		035.01	5	0.45795	0.01936	0.00470	5	0.45795	0.01936	0.00470
Sodium, ICP		035.03	47	0.43272	0.02250	0.01048	45	0.43299	0.02144	0.00897
Sodium, Flame Emission	956.01	035.05	9	0.44067	0.02241	0.01400	8	0.44138	0.01716	0.00450
Sodium, Misc		035.99	2	0.48000	0.02160	0.03000	2	0.48000	0.02160	0.03000
Method Group 035.XX PCT			86	0.43775	0.02807	0.01034	82	0.43793	0.02750	0.00823

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Sulfur, (Gravimetric)		036.00	1	0.30000	0.01414	0.02000	1	0.30000	0.01414	0.02000
Sulfur, ICP		036.03	21	0.28158	0.02642	0.00792	19	0.28578	0.02093	0.00465
Sulfur, LECO		036.04	1	0.27000	0.00000	0.00000	1	0.27000	0.00000	0.00000
Method Group 036.XX PCT			23	0.28188	0.02571	0.00810	21	0.28571	0.02055	0.00516
Zinc, AA	968.08	037.01	25	86.7403	6.61616	2.68352	24	86.4378	6.24858	1.96200
Zinc, ICP, Dry Ash	968.08	037.03	30	84.1441	9.58071	4.30847	28	84.4999	9.05548	2.71786
Zinc, ICP, Wet Ash	968.08	037.05	28	89.2072	10.8778	5.70618	27	89.1964	10.9262	5.21381
Zinc, Misc		037.99	4	86.2615	6.31653	3.36783	4	86.2615	6.31653	3.36783
Method Group 037.XX PPM			87	86.6170	9.34012	4.24812	83	86.6729	9.06678	3.34256
Molybdenum, ICP		038.00	3	0.46883	0.02821	0.01100	3	0.46883	0.02821	0.01100
Method Group 038.XX PPM			3	0.46883	0.02821	0.01100	3	0.46883	0.02821	0.01100
Nickel, AA		039.01	1	0.90000	0.00000	0.00000	1	0.90000	0.00000	0.00000
Nickel, ICP		039.02	2	0.14425	0.12814	0.01350	2	0.14425	0.12814	0.01350
Method Group 039.XX PPM			3	0.39617	0.40269	0.00900	3	0.39617	0.40269	0.00900
Barium, ICP		040.00	1	0.25200	0.00141	0.00200	1	0.25200	0.00141	0.00200
Decoquinat,	969.55	054.00	1	5.51000	0.15556	0.22000	1	5.51000	0.15556	0.22000
Decoquinat, HPLC		054.01	11	5.45777	0.31451	0.25245	10	5.43855	0.27474	0.17170
Method Group 054.XX MG/LB			12	5.46213	0.30263	0.24975	11	5.44505	0.26437	0.17609
Oxytetracycline, HPLC		073.03	1	1.35850	0.04596	0.06500	1	1.35850	0.04596	0.06500
Choline Chloride, Chem		101.01	1	863.000	12.7279	18.0000	1	863.000	12.7279	18.0000
Niacin, Chem	961.14	102.00	1	30.1650	1.37886	1.95000	1	30.1650	1.37886	1.95000
Pantothenic Acid, Misc		103.99	1	7.09500	0.92631	1.31000	1	7.09500	0.92631	1.31000
Riboflavin, Fluorometric	970.65	104.00	2	13.8200	4.53960	0.19000	2	13.8200	4.53960	0.19000
Method Group 104.XX MG/LB			2	13.8200	4.53960	0.19000	2	13.8200	4.53960	0.19000
Thiamine, HPLC		105.00	1	2.81500	0.13435	0.19000	1	2.81500	0.13435	0.19000
Thiamine,	942.23	105.01	1	4.46000	0.74953	1.06000	1	4.46000	0.74953	1.06000
Method Group 105.XX MG/LB			2	3.63750	1.04656	0.62500	2	3.63750	1.04656	0.62500
Vitamin A, Color	974.29	106.00	2	19.3445	0.72015	1.16600	2	19.3445	0.72015	1.16600
Vitamin A, HPLC		106.02	24	14.3285	4.27639	0.59735	23	14.2591	4.34719	0.50376
Vitamin A, Misc		106.99	1	10.5400	0.76368	1.08000	1	10.5400	0.76368	1.08000
Method Group 106.XX KU/LB			27	14.5598	4.31782	0.65735	26	14.5072	4.38459	0.57687
Vitamin D3, HPLC		108.02	4	5.48125	0.87863	0.19250	4	5.48125	0.87863	0.19250
Method Group 108.XX KU/LB			4	5.48125	0.87863	0.19250	4	5.48125	0.87863	0.19250
Vitamin E, HPLC		109.02	11	130.652	36.4027	4.04241	10	128.622	37.5708	3.01885
Vitamin E, Misc		109.99	3	95.8083	22.0832	23.3700	3	95.8083	22.0832	23.3700
Method Group 109.XX MG/KG			14	123.186	36.5099	8.18404	13	121.050	37.0014	7.71527
Folic Acid,	944.12	113.01	1	4.15500	0.50205	0.71000	1	4.15500	0.50205	0.71000
Alanine, Post-col Ninhydrin Der	994.12	120.00	10	1.08433	0.11040	0.01366	9	1.05344	0.05876	0.00978
Method Group 120.XX PCT			10	1.08433	0.11040	0.01366	9	1.05344	0.05876	0.00978

- Pass 1 Results for 198 Labs - - Pass 2 Results for 195 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
Arginine, Post-col Ninhydrin Der	994.12	121.00	8	0.53550	0.01277	0.01225	8	0.53550	0.01277	0.01225
Method Group 121.XX PCT			8	0.53550	0.01277	0.01225	8	0.53550	0.01277	0.01225
Aspartic, Post-col Ninhydrin Der	994.12	122.00	10	2.29856	0.09217	0.01954	10	2.29856	0.09217	0.01954
Method Group 122.XX PCT			10	2.29856	0.09217	0.01954	10	2.29856	0.09217	0.01954
Cysteine/Cystine, PAO Post-col Ninhydrin Der	994.12	124.00	9	0.50871	0.05722	0.01577	9	0.50871	0.05722	0.01577
Cysteine/Cystine, PAO Post-col OPA Der		124.02	1	0.45050	0.00354	0.00500	1	0.45050	0.00354	0.00500
Cysteine/Cystine, PAO Pre-col AQC Der		124.05	1	0.48500	0.00707	0.01000	1	0.48500	0.00707	0.01000
Cysteine/Cystine, Misc		124.99	1	0.45000	0.00000	0.00000	1	0.45000	0.00000	0.00000
Method Group 124.XX PCT			12	0.49699	0.05406	0.01307	12	0.49699	0.05406	0.01307
Glutamic, Post-col Ninhydrin Der	994.12	125.00	10	3.69118	0.17672	0.07547	9	3.71519	0.16115	0.04941
Method Group 125.XX PCT			10	3.69118	0.17672	0.07547	9	3.71519	0.16115	0.04941
Glycine, Post-col Ninhydrin Der	994.12	126.00	9	0.40728	0.01554	0.00278	8	0.40275	0.00853	0.00175
Method Group 126.XX PCT			9	0.40728	0.01554	0.00278	8	0.40275	0.00853	0.00175
Histidine, Post-col Ninhydrin Der	994.12	127.00	10	0.42977	0.07145	0.01109	10	0.42977	0.07145	0.01109
Method Group 127.XX PCT			10	0.42977	0.07145	0.01109	10	0.42977	0.07145	0.01109
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	10	1.27373	0.08317	0.01865	10	1.27373	0.08317	0.01865
Method Group 128.XX PCT			10	1.27373	0.08317	0.01865	10	1.27373	0.08317	0.01865
Leucine, Post-col Ninhydrin Der	994.12	129.00	10	2.21228	0.07925	0.02719	10	2.21228	0.07925	0.02719
Method Group 129.XX PCT			10	2.21228	0.07925	0.02719	10	2.21228	0.07925	0.02719
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	13	3.43560	0.19902	0.05855	13	3.43560	0.19902	0.05855
L-Lysine, Pre-col AQC Der		130.05	1	3.34000	0.07071	0.10000	1	3.34000	0.07071	0.10000
Method Group 130.XX PCT			14	3.42877	0.19362	0.06151	14	3.42877	0.19362	0.06151
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	10	0.38718	0.03019	0.00767	9	0.38425	0.03011	0.00552
Methionine, PAO Post-col OPA Der		131.02	1	0.37700	0.00849	0.01200	1	0.37700	0.00849	0.01200
Methionine, PAO Pre-col AQC Der		131.05	1	0.40000	0.00000	0.00000	1	0.40000	0.00000	0.00000
Methionine, Misc		131.99	1	0.43000	0.00000	0.00000	1	0.43000	0.00000	0.00000
Method Group 131.XX PCT			13	0.39067	0.02917	0.00682	12	0.38877	0.02932	0.00514
Phenylalanine, Post-col Ninhydrin Der	994.12	132.00	9	0.67811	0.05553	0.01133	9	0.67811	0.05553	0.01133
Method Group 132.XX PCT			9	0.67811	0.05553	0.01133	9	0.67811	0.05553	0.01133
Proline, Post-col Ninhydrin Der	994.12	133.00	9	1.26777	0.08467	0.03413	9	1.26777	0.08467	0.03413
Method Group 133.XX PCT			9	1.26777	0.08467	0.03413	9	1.26777	0.08467	0.03413
Serine, Post-col Ninhydrin Der	994.12	134.00	9	1.03372	0.04871	0.01856	9	1.03372	0.04871	0.01856
Method Group 134.XX PCT			9	1.03372	0.04871	0.01856	9	1.03372	0.04871	0.01856
Threonine, Post-col Ninhydrin Der	994.12	135.00	9	1.44139	0.06391	0.01478	8	1.43719	0.06615	0.01038
Threonine, Pre-col AQC Der		135.05	1	1.43000	0.01414	0.02000	1	1.43000	0.01414	0.02000
Method Group 135.XX PCT			10	1.44025	0.06064	0.01530	9	1.43639	0.06228	0.01144
Tryptophan, Alka-Hydrol Post-col Ninhydrin Der	988.15	136.00	1	0.35200	0.00849	0.01200	1	0.35200	0.00849	0.01200
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	4	0.35574	0.03210	0.00498	4	0.35574	0.03210	0.00498
Tryptophan, Misc		136.99	2	0.40175	0.03262	0.00050	2	0.40175	0.03262	0.00050

Feed Check Sample No. - 200825 Lamb Milk Replacer, Medicated
 Association of American Feed Control Officials

- Pass 1 Results for 198 Labs - - Pass 2 Results for 195 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
Method Group 136.XX PCT			7	0.36835	0.03589	0.00470	7	0.36835	0.03589	0.00470
Tyrosine, Post-col Ninhydrin Der	994.12	137.00	7	0.60084	0.12892	0.00460	6	0.62323	0.12570	0.00253
Method Group 137.XX PCT			7	0.60084	0.12892	0.00460	6	0.62323	0.12570	0.00253
Valine, Post-col Ninhydrin Der	994.12	138.00	10	1.20826	0.11697	0.01239	10	1.20826	0.11697	0.01239
Method Group 138.XX PCT			10	1.20826	0.11697	0.01239	10	1.20826	0.11697	0.01239
Taurine, Post-col Ninhydrin Der	994.12	139.00	1	0.04500	0.00707	0.01000	1	0.04500	0.00707	0.01000
Linoleic Acid,		210.01	1	3.90850	0.04172	0.05900	1	3.90850	0.04172	0.05900

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
-- Method 000.02 --			-- Method 001.07 --			-- Method 001.99 --			-- Method 002.02 --			-- Method 002.06 --		
297	22.570	.71	616	3.0000	.45	638	2.7600	-.10	033	21.645	-.30	554	24.860	s 6.27
			142	3.0000	.45	672	2.7550	-.11	036	20.968	-1.01	018	24.360	s 5.00
-- Method 001.00 --			098	2.9250	.38	357	2.6700	-.21	187	20.830	-1.16	363	24.360	s 4.99
596	7.8500	S 15.79	581	2.9000	.19	536	2.6750	-.30	169	20.640	-1.36	615	24.255	s 4.72
720	7.7050	S 15.35	669	2.8700	.16	096	2.2500	-.72				797	24.115	s 4.32
785	5.5800	S 8.85	607	2.8640	.07	559	2.1700	-.79	-- Method 002.03 --			527	24.075	s 4.22
844	3.1650	1.43	Avg	2.8406		630	1.9100	-1.10	681	21.285	.71	065	23.660	A 3.15
722	3.0264	1.00	035	2.7800	-.17	619	1.5900	-1.48				692	23.600	2.98
504	2.8150	.46	049	2.7550	-.24				-- Method 002.04 --			619	23.550	2.85
Avg	2.7009		199	2.7400	-.28	-- Method 002.00 --			509	23.655	1.71	185	23.180	R 2.35
309	2.6700	-.13	571	2.7350	-.30	845	22.410	1.59	504	22.400	.27	074	23.120	1.90
169	2.6400	-.22	187	2.6350	-.58	199	22.105	.30	Avg	22.184		096	23.120	1.74
509	2.3150	-1.19	297	2.5700	-.76	015	22.065	.15	638	21.905	-.33	541	23.095	1.69
029	2.2750	-1.34	653	2.5650	-.78	Avg	22.022		405	21.610	-.67	202	23.015	1.46
560	0.8750	S -5.62	591	2.5600	-.79	679	21.785	-.83	596	21.350	-.97	142	23.000	1.42
			689	2.5000	-.99	028	21.745	-1.08				309	22.829	1.14
-- Method 001.03 --			693	2.5125	-1.00				-- Method 002.05 --			686	22.635	R 1.13
686	3.0200	1.33	588	2.4600	-1.07	-- Method 002.01 --			591	23.220	2.35	121	22.880	1.12
731	2.8400	.79	083	2.4500	-1.10	672	22.200	1.35	621	22.455	.93	646	22.875	1.10
663	2.9150	.57	353	2.2550	-1.66	607	22.165	1.30	849	22.440	.91	003	22.800	1.02
Avg	2.8250		045	2.1400	-1.96	716	22.050	.96	620	22.261	.58	001	22.795	.90
567	2.7000	-.76	366	2.1000	R -2.23	652	21.800	.40	178	22.200	.50	588	22.780	.88
688	2.6500	-1.10	074	1.6450	s -3.38	848	21.735	.33	179	22.168	.40	108	22.565	.87
			015	1.4250	s -3.95	723	21.785	.27	552	22.040	.29	013	22.765	.85
-- Method 001.05 --						710	21.720	.10	658	21.987	.27	567	22.650	.83
610	2.7000	.00	-- Method 001.08 --			Avg	21.685		663	22.030	.17	190	22.755	.80
			676	3.4410	.87	653	21.505	-.48	039	22.008	.11	038	22.740	.75
-- Method 001.07 --			Avg	3.2430		731	21.370	-.83	Avg	21.951		122	22.735	.74
014	6.1700	s 9.42	139	3.0450	-.86	714	21.187	-1.30	622	21.933	-.03	645	22.700	.69
307	3.8050	s 3.30				656	21.015	-1.76	083	21.925	-.07	782	22.715	.68
675	3.6650	2.31	-- Method 001.99 --			613	20.540	s -4.89	350	21.767	-.34	726	22.708	.66
171	3.4700	1.76	615	5.5750	S 3.27				722	21.678	-.50	417	22.580	.66
048	3.4300	1.65	405	4.4950	1.99	-- Method 002.02 --			651	21.594	-.71	098	22.600	.64
004	3.1450	.85	681	4.3950	1.87	152	23.100	1.23	354	21.490	-.85	037	22.695	.63
550	3.1350	.82	541	2.8700	R 1.04	307	23.050	1.17	596	21.350	-1.12	033	22.690	.63
089	3.1350	.82	505	3.2150	.46	048	23.010	1.13	674	21.580	R -1.20	693	22.690	.62
679	3.1000	.78	729	2.9250	.29	042	22.085	.16	194	20.575	-2.55	630	22.690	.62
849	3.0800	.70	656	2.9950	.23	669	22.060	.15				168	22.595	.57
178	3.0000	.53	Avg	2.8312		Avg	21.932					019	22.580	.55

* 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 002.99	--	--	Method 003.01	--
298	22.660	.54	089	22.330	-.32	596	21.350	-2.87	847	22.215	1.31	849	30.345	.86
175	22.500	.53	294	22.330	-.32	004	21.210	-3.23	305	22.020	.74	Avg	26.498	
590	22.650	.53	539	22.325	-.33	687	21.055 s	-3.64	Avg	21.833		504	22.650	-.87
520	22.550	.51	035	22.320	-.35	550	21.110 s	-3.64	644	21.755	-.75			
559	22.580	.49	034	22.320	-.36	011	20.995 s	-3.79	724	21.605	-.78	--	Method 003.04	--
786	22.615	.47	051	22.365	-.36	676	20.591 s	-4.87	536	21.570	-1.02	681	9.5750	.71
672	22.600	.46	616	22.420	-.37	212	17.815 s	-12.08						
660	22.585	.45	106	22.310	-.40				--	Method 003.00	--	--	Method 003.06	--
160	22.625	.45	006	22.352	-.45	--	Method 002.08	--	309	32.534	1.88	122	31.500	2.02
164	22.615	.42	589	22.285	-.46	563	22.370	1.34	032	31.855	1.80	121	30.555	1.89
029	22.590	.38	179	22.280	-.48	610	22.150 R	.30	194	30.545	1.62	621	30.420	1.87
598	22.565	.36	573	22.260	-.52	062	22.143	.14	015	26.240	1.06	148	19.615	.36
650	22.525	.35	504	22.275	-.54	Avg	22.126		848	25.665 R	.99	574	18.845 R	.27
171	22.500	.29	358	22.350	-.56	208	22.100	-.14	300	24.460	.82	581	18.350	.19
233	22.500	.29	337	22.335	-.59	160	21.890	-1.29	132	23.985	.76	297	17.535	.08
610	22.550	.28	353	22.210	-.64				616	23.555	.70	Avg	17.021	
825	22.550	.28	119	22.205	-.65	--	Method 002.10	--	512	22.405	.55	199	16.600	-.06
505	22.560	.28	366	22.300	-.66	619	22.600	1.44	190	22.405	.55	689	15.800	-.17
357	22.560	.28	009	22.170	-.74	629	22.345	.89	656	21.690	.46	588	14.705	-.32
199	22.530	.21	647	22.205	-.75	688	22.150	.57	726	20.491	.30	185	14.595	-.34
010	22.505	.16	205	22.405	-.78	Avg	21.937		048	18.725	.07	294	13.545	-.49
144	22.510	.15	265	22.148	-.80	675	21.855	-.18	Avg	18.230		305	13.485	-.49
407	22.510	.15	014	22.290	-.91	546	21.820	-.38	187	18.040	-.03	669	13.315	-.52
843	22.490	.14	100	22.095	-.99	729	21.440	-1.22	615	17.590	-.08	658	11.819	-.73
138	22.455	.09	508	22.050	-1.08	596	21.350	-1.28	142	16.750	-.20	647	10.265	-.94
749	22.465	.07	021	22.025	-1.12				509	16.730	-.20	552	9.3500	-1.07
139	22.455	.07	045	22.050	-1.12	--	Method 002.11	--	152	16.000	-.29	682	7.9000	-1.27
Avg	22.453		673	21.950	-1.32	032	25.800 s	7.48	527	14.065	-.55			
049	22.446	-.05	512	21.970	-1.37	011	23.135 R	3.12	337	13.025	-.69	--	Method 003.09	--
263	22.416	-.10	132	21.925	-1.39	724	22.100	1.40	613	12.515	-.75	004	32.085	1.51
510	22.400	-.14	720	21.900	-1.44	588	21.895	1.06	265	11.600	-.88	638	31.050	1.39
036	22.415	-.15	553	21.900	-1.48	713	21.500	.41	164	10.865	-.97	714	28.594	1.11
571	22.433	-.17	670	21.855	-1.56	672	21.360	.21	353	9.3600	-1.17	121	23.990	.59
027	22.405	-.21	682	21.830	-1.62	Avg	21.416		106	8.3000	-1.31	Avg	18.878	
026	22.355	-.26	300	22.155 R	-1.66	688	21.200	-.09	596	6.3200	-1.57	675	13.685	-.59
042	22.385	-.26	242	21.660	-2.06	727	20.960	-.48	212	3.9250	-1.89	674	13.505	-.62
110	22.355	-.26	674	21.705 R	-2.24	178	20.900	-.60				358	12.825	-.69
148	22.345	-.28	574	22.120 R	-2.35	731	20.100 S	-1.90				620	12.080	-.78
017	22.345	-.32	785	21.485	-2.52							722	10.612	-.95

* 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 003.09 --			-- Method 003.12 --			-- Method 004.00 --			-- Method 004.06 --			-- Method 004.99 --		
673	10.350	-.98	670	11.960	.87	199	0.1750	-.17	689	0.1500	-.68	644	0.5650	1.18
			Avg	9.1800		194	0.1650	-.22	848	0.1400	-.69	Avg	0.3717	
-- Method 003.10 --			357	6.4000	-.87	034	0.1400	-.38	621	0.1250	-.76	613	0.3400	-.36
629	32.025	1.60				015	0.1300	-.45	731	0.1150	-.81	724	0.2100	-.99
679	31.615	1.56	-- Method 003.13 --			596	0.1500 R	-.47	038	0.1150	-.82			
619	31.300	1.53	205	15.990	.92	504	0.1050	-.68	610	0.1000	-.88	-- Method 005.00 --		
554	30.960	1.49	646	14.355	.50	563	0.0855	-.77	653	0.0250	-1.25	552	5.7050 s	4.25
591	30.390	1.43	553	12.895	.14	132	0.0350	-1.13				504	5.6150 s	3.19
598	20.485	.38	Avg	12.435		309	0.0000	-1.38	-- Method 004.07 --			527	5.6100	3.01
Avg	16.946		660	6.5000	-1.54	164	0.0000	-1.38	407	1.9800 S	4.68	185	5.4900 R	2.33
208	15.400	-.17							003	1.8350 S	4.20	357	5.5500	2.31
062	15.227	-.18	-- Method 003.14 --			-- Method 004.03 --			567	1.8050 S	4.08	682	5.5500	2.22
720	14.400	-.27	550	22.245	1.36	679	0.1400	.64	096	1.4000 R	2.80	674	5.4750 R	1.95
233	12.890	-.43	108	21.225	.92	Avg	0.1105		074	1.3400	2.52	630	5.5250	1.95
363	12.865 X	-.44	686	21.400	.40	619	0.0810	-1.05	185	1.1300	1.83	550	5.5175	1.80
119	12.820	-.44	Avg	21.070					554	0.8500	.87	729	5.5100	1.72
573	12.540	-.47	144	20.760	-.36	-- Method 004.06 --			581	0.8300	.80	038	5.5050	1.66
693	12.345 R	-.49	185	20.750	-.98	658	4.9500 s	22.88	121	0.7750	.61	029	5.4250 R	1.61
089	12.155	-.51	049	20.040	-1.25	849	1.7350 s	7.28	505	0.7550	.54	672	5.5000	1.57
045	10.800	-.65				552	1.4200 s	5.60	610	0.7000	.49	567	5.5000	1.57
520	10.450 R	-.70	-- Method 003.99 --			845	0.8750	2.92	144	0.6800	.29	785	5.4800	1.33
623	9.0910	-.84	546	32.690	.69	638	0.6500 R	1.96	686	0.6350	.14	619	5.4550	1.30
100	7.8450	-.97	724	32.005	.59	722	0.6234	1.68	Avg	0.5965		363	5.4600	1.17
596	5.6000	-1.21	536	31.540	.52	205	0.5850	1.51	110	0.5600	-.14	676	5.4680	1.15
160	3.5600	-1.42	644	28.300	.04	670	0.5450	1.34	294	0.5300	-.23	045	5.4500	1.12
			Avg	28.062		588	0.4300	.74	669	0.4750	-.43	849	5.4400	1.11
-- Method 003.11 --			847	15.775	-1.84	098	0.4100	.73	708	0.4700	-.49	723	5.4600	1.05
672	33.520	.62				607	0.3254	.26	682	0.4000	-.66	658	5.4300	.97
688	33.400	.59	-- Method 004.00 --			676	0.3040	.15	242	0.3600	-.80	726	5.4518	.96
713	32.845	.46	647	0.7600 s	4.09	674	0.2800	.05	300	0.3250	-.93	629	5.4450	.85
588	32.570	.39	208	0.5100	2.29	Avg	0.2796		307	0.3500	-.98	187	5.4450	.85
011	32.410	.36	048	0.4450	1.82	710	0.2750	-.03	089	0.2800	-1.07	160	5.4400	.82
Avg	30.933		175	0.2900	.71	723	0.2300	-.25	160	0.2600	-1.14	300	5.4400	.82
724	30.435	-.12	171	0.2800	.67	716	0.2150	-.32	520	0.2250	-1.26	520	5.4400	.82
032	21.350	-2.29	265	0.2450	.38	688	0.2000	-.39				100	5.4400	.82
			509	0.2400	.37	656	0.1950	-.45	-- Method 004.11 --			297	5.4400	.78
			190	0.2400	.35	591	0.1550	-.61	724	9.0800 S	18.34	588	5.4350	.74
			Avg	0.1924		350	0.1483	-.65	032	1.3000	.71	307	5.4250	.67
			726	0.1850	-.06	598	0.1450	-.66	Avg	1.3000		684	5.4300	.66

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Laboratory Averages & Accuracy Indexes

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--	Method 005.00	--	--	Method 005.00	--	--	Method 005.00	--	--	Method 005.99	--	--	Method 009.04	--
004	5.4200	.65	689	5.3700	-.29	541	5.3000	-1.17	536	5.4000	-.27	504	0.0000	.00
679	5.4200	.54	622	5.3633	-.29	510	5.2850	-1.29	208	5.3700	-.49			
337	5.4150	.50	083	5.3750	-.33	110	5.3100 R	-1.30	681	5.3900 R	-1.22	--	Method 009.07	--
121	5.4030	.41	621	5.3750	-.33	194	5.2750	-1.39	122	5.1650	-2.20	613	21.370 S	71.15
132	5.4100	.41	620	5.3517	-.37	049	5.2650	-1.51				297	0.6200	1.27
848	5.4100	.41	613	5.3500	-.39	309	5.2555 R	-1.90	--	Method 006.05	--	Avg	0.2567	
048	5.4100	.41	169	5.3450	-.46	548	5.2310	-1.97	710	21.445	.71	663	0.1500	-.37
119	5.4100	.39	559	5.3500	-.47	607	5.2087	-2.24				309	0.0000	-.86
563	5.3950	.38	179	5.3410	-.51	144	5.2400 R	-2.25	--	Method 006.99	--			
098	5.4050	.38	199	5.3400	-.53	596	5.2000	-2.36	178	30.550	.71	--	Method 009.09	--
693	5.4050	.38	139	5.3400	-.53	670	5.1900	-2.52				357	1.4500	1.43
505	5.4050	.33	623	5.3492	-.53	417	5.1800	-2.62	--	Method 008.02	--	294	1.3850	1.31
590	5.3900	.29	539	5.3450	-.56	021	5.1300 s	-3.81	613	10.500 s	61.48	164	1.1000 R	.80
650	5.4000	.29	358	5.3350	-.59	142	5.0500 s	-4.37	405	0.3950	1.40	581	1.0800	.74
175	5.4000	.29	731	5.3500	-.66				148	0.2050	.27	160	0.6950	.02
298	5.4000	.29	089	5.3300	-.66	--	Method 005.02	--	Avg	0.1600		Avg	0.6856	
205	5.3950	.29	001	5.3300	-.67	610	5.4250	.71	504	0.0400	-.75	037	0.3850	-.56
675	5.3950	.28	353	5.3300	-.67				309	0.0000	-.95	185	0.2200	-.87
242	5.3950	.28	660	5.3300	-.67	--	Method 005.11	--				049	0.1450	-1.01
108	5.3850	.21	305	5.3550	-.67	178	7.7500 S	.00	--	Method 008.05	--	686	0.1250 X	-1.05
033	5.3950	.20	749	5.3350	-.68	588	7.5200 S	.00	265	1.9000	.71			
148	5.3950	.20	661	5.3250	-.72	665	5.3450 s	.00				--	Method 010.03	--
845	5.3900	.18	015	5.3400	-.74	672	7.7650 S	.00	--	Method 008.08	--	027	2.7550	1.21
651	5.3930	.17	152	5.3450	-.75	688	7.5500 S	.00	160	2.2050 s	6.10	Avg	2.5000	
350	5.3920	.15	171	5.3250	-.75	713	6.8700 S	.00	357	0.7000 R	1.75	590	2.4350	-.43
062	5.3900	.13	688	5.3500	-.76	724	9.4650 s	.00	581	0.8550	1.72	546	2.3100	-.92
Avg	5.3802		647	5.3500	-.76	727	7.4250 S	.00	164	0.7000	1.15			
656	5.3800	.00	019	5.3500	-.76	731	7.0850 S	.00	037	0.5000	.49	--	Method 010.11	--
598	5.3800	-.13	138	5.3250	-.79	Avg	0.0000		004	0.3600	.13	212	10.735 s	7.40
035	5.3800	-.13	265	5.3250	-.85				Avg	0.3519		724	5.4900	1.89
354	5.3700	-.13	034	5.3150	-.85	--	Method 005.99	--	294	0.1650	-.63	178	4.1500	.48
782	5.3700	-.19	615	5.3150	-.87	574	6.8650 s	12.17	686	0.1500 X	-.68	672	4.0550	.38
653	5.3700	-.19	294	5.3150	-.91	652	5.6000	1.48	185	0.0850	-.88	713	3.7700	.08
164	5.3700	-.19	686	5.3050	-.99	847	5.5000	.68	049	0.0000	-1.16	688	3.7500	.08
591	5.3750	-.21	407	5.3050	-1.04	673	5.4500	.47				Avg	3.6964	
616	5.3650	-.21	366	5.3000	-1.05	096	5.4500	.47	--	Method 008.99	--	588	3.2900	-.43
722	5.3613	-.25	178	5.3000	-1.05	724	5.4800	.46	297	0.2300	.87	731	2.9450	-.79
669	5.3800	-.26	720	5.3000	-1.06	Avg	5.4250		Avg	0.1200		727	2.1213	-1.66
051	5.3650	-.28	710	5.2950	-1.12	663	5.4100	-.15	358	0.0100	-.86			

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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 013.02	--	--	Method 013.03	--
417	9.6600 S	3.58	300	7.5900	.57	298	5.5600	-.82	034	33.750	1.10	013	31.600	-1.50
148	7.3450	2.21	121	7.4685	.48	674	5.5850	-.82	208	33.700	1.07			
848	7.0450	2.04	710	7.4200	.45	179	4.9445	-1.24	033	33.690	1.02	--	Method 013.08	--
714	6.2515	1.57	350	7.3969	.43	598	4.9050	-1.27	139	33.650	.97	098	33.420 s	2.48
845	4.2950	.43	026	7.2800	.35	363	4.2850	-1.69	065	33.585	.88	038	33.115	.99
Avg	3.5684		062	7.2475	.33	294	3.6300	-2.14	003	33.335	.56	563	32.965	.53
652	3.4000	-.11	309	7.1700	.32	563	3.4150	-2.28	045	33.300	.51	Avg	32.799	
613	3.3500	-.13	119	7.1200	.24	152	3.2000	-2.43	675	33.245	.46	559	32.715	-.53
202	3.2450	-.19	208	7.1050	.23	670	2.9450	-2.60	164	33.260	.44	510	32.400	-1.40
724	3.2000	-.22	650	7.0500	.21				171	33.150	.36			
726	3.0663	-.29	539	7.0550	.20	--	Method 011.99	--	029	33.070	.34	--	Method 013.10	--
621	2.9850	-.34	305	7.0150	.17	265	5.8750	.87	650	32.985	.14	185	32.745 R	1.03
037	2.8150	-.44	573	6.9625	.14	Avg	5.0550		Avg	32.927		672	32.900	.98
673	2.7500	-.48	591	6.9200	.11	684	4.2350	-.86	693	32.810	-.18	539	32.770	.88
168	2.7200	-.50	164	6.7700	.01				202	32.765	-.22	653	32.595	.76
337	2.6750	-.53	Avg	6.7638		--	Method 012.00	--	749	32.635	-.39	610	32.400	.75
716	2.6000	-.57	185	6.7200	-.03	548	10.330	.89	676	32.647	-.44	096	32.550	.75
527	1.9750	-.93	825	6.7500	-.04	689	8.7500	.37	035	32.600	-.51	178	32.400	.71
160	0.9450	-1.54	354	6.7000	-.05	Avg	7.6267		656	32.470	-.62	652	32.350	.60
			623	6.7166	-.07	673	3.8000	-1.26	645	32.450	-.64	688	32.250	.55
--	Method 011.01	--	194	6.6100	-.11				100	32.375	-.74	660	32.275	.53
108	14.780 s	5.47	100	6.5700	-.13	--	Method 012.01	--	354	32.385	-.74	350	32.135	.46
675	10.435	2.50	138	6.5250	-.16	686	0.8150	1.24	505	32.355	-.86	673	32.150	.45
660	9.8950	2.14	682	6.5200	-.17	Avg	0.4300		825	32.150	-1.04	714	32.038	.40
541	9.4350 R	1.93	233	6.5200	-.17	185	0.3250	-.34	026	32.040	-1.19	Avg	31.508	
843	9.0300	1.55	574	6.7600	-.18	096	0.1500	-.92	051	31.945	-1.31	591	31.440	-.17
122	8.8650	1.44	407	6.4300	-.23				548	31.525	-1.90	716	31.355	-.21
722	8.6424	1.28	034	6.4050	-.24	--	Method 012.03	--	616	30.485 A	-3.28	407	30.660	-.59
358	8.4250 R	1.17	051	6.3400	-.29	684	4.9000	.88	337	29.195 s	-4.99	417	30.000	-1.06
622	8.4473	1.15	749	6.3200	-.31	Avg	2.4500		169	26.840 s	-8.32	723	29.805	-1.19
171	8.4100	1.12	552	6.2700	-.35	098	0.0000	-.85				028	28.900 S	-1.94
205	8.2050 R	1.04	033	6.1700	-.41				--	Method 013.03	--	062	28.487	-2.11
144	8.2000	.98	723	6.1100	-.45	--	Method 012.04	--	027	34.994	1.85	353	28.090	-2.38
782	8.1750	.97	021	6.0950	-.47	353	0.0550	.71	160	33.570	.43	663	27.175 S	-3.02
651	8.1865	.97	548	6.0395	-.53				630	33.240	.12	845	23.825 s	-5.37
620	8.0664	.89	520	6.2150 R	-.65	--	Method 013.02	--	Avg	33.113				
110	8.0350	.87	647	5.7600	-.68	848	35.675 s	3.67	307	32.900	-.26			
510	7.9500	.82	132	5.7150	-.73	074	35.170	3.00	039	32.603	-.47			
658	7.8055	.71	596	5.6000	-.80	366	34.000 R	1.53	017	32.885	-.57			

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-- Method 013.11 --			-- Method 016.00 --			-- Method 019.01 --			-- Method 019.01 --			-- Method 019.05 --		
014	33.045	-.71	619	0.0335	-.71	687	1.3100 s	23.33	122	0.5500	-.73	148	0.5700	.63
						152	0.7550 s	6.01	563	0.5385	-.75	407	0.5700	.63
-- Method 013.12 --			-- Method 016.01 --			720	0.7000 s	4.31	014	0.5385	-.78	011	0.5680	.55
731	34.420	1.47	716	0.0150	.71	674	0.6850 A	3.85	013	0.5240	-1.26	294	0.5650	.48
Avg	32.334					646	0.6450	2.58	653	0.5105	-1.62	171	0.5600	.45
178	32.150	-.17	-- Method 017.00 --			035	0.6150	1.65	670	0.5050	-1.80	049	0.5560	.25
672	32.000	-.27	049	2.8760 s	4.71	034	0.6100	1.52	142	0.5000	-1.95	164	0.5550	.20
588	30.765	-1.11	294	2.2500	.94	307	0.5750 R	1.46	710	0.4950	-2.11	187	0.5566	.13
			560	2.1050	.31	619	0.6050	1.34	588	0.5205 R	-2.12	Avg	0.5532	
-- Method 013.13 --			Avg	2.0350		591	0.6005	1.23	108	0.4400 s	-4.25	610	0.5530	-.08
581	31.975	.81	693	1.7500	-1.23	354	0.6000	1.22	612	0.4000 s	-5.07	682	0.5500	-.12
Avg	31.490		045	1.5000 s	-3.12	098	0.5900	.92				510	0.5500	-.12
110	31.005	-.92				263	0.5906	.88	-- Method 019.02 --			512	0.5507	-.21
			-- Method 017.99 --			656	0.5850	.72	536	0.5600	.00	350	0.5473	-.35
-- Method 013.99 --			307	1.8000	1.03	019	0.5750	.61				051	0.5450	-.36
689	32.400	.20	Avg	1.7250		233	0.5800	.55	-- Method 019.03 --			100	0.5450	-.36
Avg	32.350		358	1.6500	-.66	675	0.5800	.55	048	0.8100 S	9.04	297	0.5500	-.39
175	32.300	-1.21				018	0.5790	.52	307	0.6300	1.44	168	0.5445	-.43
			-- Method 018.02 --			305	0.5750	.42	036	0.6072	.41	026	0.5380	-.60
-- Method 015.00 --			011	0.0110	.90	036	0.5728	.37	Avg	0.5975		300	0.5400	-.62
520	91.500 R	1.62	Avg	0.0064		650	0.5700	.24	033	0.5955	-.09	083	0.5250	-1.07
169	89.250	1.31	154	0.0018	-.83	026	0.5650	.18	026	0.5900	-.53	358	0.5200	-1.24
353	88.930	1.29				205	0.5650	.18	686	0.5650	-1.40	661	0.5250 R	-1.68
154	87.000	1.10	-- Method 019.00 --			001	0.5635	.18				548	0.5096	-1.76
121	85.200	.93	552	0.8550 s	7.38	139	0.5665	.13	-- Method 019.05 --			645	0.5059	-1.77
616	84.250	.83	679	0.6200	1.49	Avg	0.5623		004	0.6600 s	4.05	089	0.5000	-1.99
Avg	75.827		658	0.6075	1.22	169	0.5600	-.07	185	0.6415 s	3.30	208	0.4875	-2.49
629	75.500	-.06	621	0.6000	1.02	038	0.5615	-.11	003	0.6050 s	2.82			
049	75.243	-.07	681	0.5700	.55	722	0.5553	-.22	029	0.6025	1.84	-- Method 019.08 --		
560	72.600	-.32	689	0.5700	.24	178	0.5600	-.32	598	0.6000	1.75	729	0.7050 S	3.90
011	71.943	-.38	194	0.5650	.17	508	0.5574	-.36	242	0.5900	1.38	673	0.5950	1.07
510	71.000	-.47	Avg	0.5604		644	0.5500	-.39	144	0.5790	.97	590	0.5750	.61
164	64.000	-1.16	623	0.5583	-.05	208	0.5490	-.43	405	0.5750	.84	138	0.5700	.33
110	60.735	-1.48	620	0.5408	-.58	731	0.5500	-.50	520	0.5600 R	.79	Avg	0.5573	
021	60.100	-1.54	622	0.5168	-1.09	505	0.5500	-.50	298	0.5700	.73	607	0.5516	-.19
			175	0.5150	-1.19	723	0.5450	-.56	553	0.5725	.73	849	0.4950	-1.69
			651	0.5010	-1.56	039	0.5438	-.58	550	0.5705	.68			
			647	0.2700 s	-7.26	363	0.5400	-.70	265	0.5700	.63			
						638	0.5400	-.70	074	0.5700	.63			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 019.09	--	--	Method 019.99	--	--	Method 021.99	--	--	Method 022.03	--	--	Method 025.01	--
160	0.6747	2.44	665	0.5000	-1.19	607	1.0653	.71	029	0.5600	-.77	035	108.00	.59
613	0.6600	2.06							074	0.5000	-.84	Avg	98.941	
035	0.6300	1.33	--	Method 020.01	--	--	Method 022.01	--	297	0.0000	-1.06	307	96.500	-.16
042	0.6240	1.17	154	0.7300	1.26	563	7.5260	s 6.94	003	0.0000	-1.06	208	95.000	-.26
202	0.6150	.94	Avg	0.3663		653	2.9325	R 1.89	405	0.0000	-1.06	720	92.715	-.41
190	0.6100	.84	171	0.2500	-.44	689	3.0000	1.83				354	91.475	-.49
848	0.5850	.65	011	0.1190	-.85	354	2.5050	1.28	--	Method 022.05	--	670	91.500	-.51
186	0.6020	.62				038	2.0000	.70	202	6.5000	s 4.78	175	91.500	-.54
096	0.5900	.59	--	Method 020.99	--	175	2.0000	.70	148	3.9600	2.49	591	92.370	R -.70
027	0.5810	.19	616	0.0000	.00	720	1.9800	.68	110	2.9015	R 1.55	505	88.000	-.85
726	0.5782	.03				098	1.6450	.30	294	2.8500	1.49	563	81.875	-1.11
Avg	0.5779		--	Method 021.01	--	Avg	1.3752		186	2.0000	.73	674	79.500	-1.27
106	0.5730	-.13	619	1.6750	1.31	307	1.0750	-.37	037	1.8350	.59	305	71.570	-1.80
353	0.5750	-.15	722	1.4243	.46	305	1.0150	-.41	353	1.6500	.43			
366	0.5750	-.15	Avg	1.2873		588	1.0000	-.42	616	1.3700	.23	--	Method 025.03	--
017	0.5750	-.15	164	1.0500	-.81	710	0.9050	-.53	613	1.2200	.04	003	125.00	R 1.63
037	0.5680	-.27	689	1.0000	-.96	508	1.3540	R -.72	Avg	1.1781		083	132.00	1.62
021	0.5740	-.27				619	0.6905	-.77	160	0.9760	-.25	265	116.00	R 1.60
560	0.5675	-.28	--	Method 021.02	--	591	0.0625	-1.48	572	0.4450	-.66	148	128.35	1.40
045	0.5700	-.32	017	3.5000	s 10.19	178	0.0000	-1.55	560	0.3960	-.70	407	125.50	1.28
199	0.5646	-.34	510	1.4150	1.65				693	0.3500	-.74	004	124.00	1.19
567	0.5650	-.35	011	1.2275	.95	--	Method 022.03	--	199	0.3450	-.75	520	122.50	1.19
309	0.5636	-.50	029	1.2100	.83	598	5.5000	S 2.27	309	0.2751	-.81	510	123.50	1.18
572	0.5365	-1.05	106	1.2000	.79	144	6.0000	2.12	045	0.0000	-1.05	548	115.99	.93
154	0.5335	-1.16	169	1.1850	.73	185	5.5000	1.87	357	0.0000	-1.05	100	116.00	.82
616	0.5285	-1.24	567	1.0150	.42	550	5.2065	1.69				164	112.50	.65
028	0.5300	-1.30	560	1.0850	.36	265	3.5000	R 1.54	--	Method 022.99	--	029	106.55	.53
357	0.5250	-1.33	572	1.0600	.28	187	3.7250	.91	692	6.8500	.71	300	104.95	.29
693	0.5080	-1.75	Avg	1.0031		242	3.0000	.52				074	102.50	.18
038	0.4410	A -3.45	616	0.9610	-.29	407	2.7400	.39	--	Method 025.00	--	629	101.00	.17
110	0.4395	s -3.53	629	0.8600	-.57	083	2.5000	.37	358	89.540	.71	Avg	98.980	
			021	0.8500	-.64	Avg	2.0092					171	98.500	-.03
--	Method 019.99	--	154	0.7800	-.90	004	1.8500	-.12	--	Method 025.01	--	144	91.500	-.58
692	0.7100	S 3.11	613	0.7450	-1.04	171	1.4000	-.33	722	123.31	1.60	011	86.450	-.60
121	0.6400	1.71	171	0.4500	-2.22	520	1.3500	-.37	098	120.50	1.41	187	86.395	-.60
676	0.5585	.05				049	1.2115	-.45	619	118.00	1.25	550	86.851	-.60
Avg	0.5577					350	1.0000	-.53	675	116.06	1.12	350	86.100	-.63
724	0.5500	-.16				100	1.0000	-.53	710	110.50	.75	049	80.156	-.90
629	0.5400	-.36				548	0.6321	-.73	689	106.00	.60	208	80.000	-.91

* 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 025.03	--	--	Method 026.99	--	--	Method 027.03	--	--	Method 027.05	--	--	Method 028.01	--
610	79.200	-.95	011	0.1210	.90	297	0.0900	.68	353	0.0900	.66	208	49.000	.63
242	79.000	-.95	Avg	0.0605		074	0.0900	.68	366	0.0900	.66	731	46.475	.36
598	78.000	-1.06	619	0.0000	-.83	510	0.0900	.68	693	0.0900	.66	354	46.120	.27
297	72.000	-1.29				003	0.0900	.68	726	0.0887	.45	619	45.050	.22
405	54.000	-2.15	--	Method 027.01	--	300	0.0895	.61	027	0.0870	.12	Avg	43.798	
026	0.0557 s	-4.72	305	0.1000	2.07	553	0.0892	.56	Avg	0.0863		563	43.122	-.14
			722	0.0981	1.78	407	0.0890	.53	186	0.0855	-.17	098	41.900	-.24
--	Method 025.05	--	307	0.0950 R	1.52	011	0.0880	.38	021	0.0858	-.22	689	41.000	-.34
096	162.00 s	4.43	731	0.0920	.95	610	0.0865	.17	560	0.0845	-.34	588	40.500	-.38
726	162.02	2.36	013	0.0900	.63	629	0.0862	.16	038	0.0840	-.41	035	39.000	-.54
309	124.45	1.04	720	0.0900	.63	029	0.0864	.14	199	0.0838	-.45	674	38.000	-.66
613	118.50	.75	675	0.0900	.61	164	0.0855	.08	616	0.0835	-.51	710	36.500	-.83
021	119.50	.73	035	0.0900	.61	Avg	0.0855		572	0.0825	-.69	590	37.105	-.84
353	117.35	.65	098	0.0900	.61	512	0.0849	-.09	154	0.0829	-.73	014	34.500	-1.05
042	116.00	.64	674	0.0900	.61	148	0.0840	-.22	096	0.0835 R	-.80	307	34.500	-1.06
017	111.00	.43	263	0.0874	.22	187	0.0840	-.24	106	0.0810	-.95	175	33.500	-1.18
560	105.45	.35	139	0.0869	.16	171	0.0835	-.31	045	0.0800	-1.13	305	32.310	-1.30
366	107.00	.32	505	0.0865	.12	144	0.0835	-.37	017	0.0800	-1.13			
Avg	100.46		Avg	0.0858		049	0.0830	-.48	567	0.0800	-1.13	--	Method 028.03	--
169	97.500	-.18	650	0.0844	-.26	294	0.0850 R	-.75	357	0.0800	-1.13	550	64.830	2.36
035	90.000	-.41	619	0.0835	-.35	100	0.0850 R	-.75	110	0.0654 s	-3.75	297	59.500	1.73
110	88.710	-.47	208	0.0830	-.41	358	0.0800	-.82				029	56.830	1.37
693	88.650	-.49	038	0.0825	-.61	405	0.0800	-.82	--	Method 027.99	--	074	56.000	1.29
160	87.025	-.51	014	0.0802	-.82	598	0.0800	-.82	692	0.1050 s	3.79	265	54.000	1.10
045	86.000	-.56	142	0.0800	-.85	051	0.0800	-.82	607	0.1041 s	3.52	003	51.000	.97
567	96.500 R	-.80	175	0.0790	-1.01	242	0.0800	-.82	121	0.0890	.81	405	53.500	.92
199	74.240	-1.01	588	0.0760	-1.44	083	0.0800	-.82	Avg	0.0846		083	49.500	.81
294	73.780	-1.04	563	0.0755	-1.53	548	0.0796	-.89	508	0.0803	-.92	520	49.500	.70
037	41.050	-2.28	710	0.0750 R	-1.74	265	0.0750 R	-1.74				407	51.500	.69
616	6.4550 s	-3.60	065	0.0735	-1.80	208	0.0710	-2.18	--	Method 028.00	--	512	46.720	.23
			169	0.0700 s	-2.73	520	0.0700	-2.33	358	45.105	-.71	185	46.500	.19
--	Method 025.99	--	646	0.0500 s	-5.23							148	47.510	.16
692	175.00 s	4.31				--	Method 027.05	--	--	Method 028.01	--	Avg	46.211	
607	107.56	.86	--	Method 027.03	--	202	0.1000	2.45	720	64.685	2.36	171	46.000	-.13
Avg	90.907		026	0.8290 s	111.75	160	0.0986	2.22	675	59.995	1.85	510	46.000	-.13
121	74.250	-.87	185	0.1007	2.29	035	0.0950 R	1.80	038	56.000	1.38	004	46.000	-.25
			550	0.0980	1.88	309	0.0936 R	1.48	505	50.000 R	1.14	164	44.000	-.31
			350	0.0940	1.27	042	0.0910	.86	178	51.000	.88	011	45.640	-.42
			004	0.0935	1.21	037	0.0900	.69	722	49.489	.64	553	42.350	-.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 028.03	--	--	Method 028.05	--	--	Method 031.01	--	--	Method 031.02	--	--	Method 031.05	--
242	42.500	-.50	045	28.500	-1.63	Avg	0.4076		014	0.3905	-1.25	616	0.4095	.40
187	42.050	-.52	294	25.550	-1.91	607	0.4039	-.21				186	0.4085	.35
629	42.050	-.56	037	20.300	-2.40	205	0.4075	-.25	--	Method 031.03	--	366	0.4050	.29
100	42.000	-.59				152	0.4050	-.31	720	0.5150 s	5.02	405	0.4050	.29
300	41.090	-.67	--	Method 028.99	--	675	0.4050	-.31	033	0.4195	1.09	148	0.4070	.28
610	40.600	-.71	692	61.900	1.27	621	0.4050	-.31	504	0.4144	.88	106	0.4065	.26
598	40.000	-.78	Avg	55.013		354	0.4050	-.31	026	0.3950 R	.62	037	0.4025	.21
350	36.100	-1.28	121	54.070	-.25	139	0.4010	-.38	208	0.4065	.56	Avg	0.4002	
049	37.205	-1.40	607	49.069	-.90	233	0.4000	-.42	036	0.3932	.04	242	0.4000	-.01
144	40.800 R	-1.45				596	0.4000	-.42	Avg	0.3931		510	0.4000	-.01
548	34.347	-1.50	--	Method 029.00	--	305	0.4000	-.42	307	0.3650	-1.17	512	0.3984	-.15
208	31.500	-1.86	675	0.0035	.71	065	0.3995	-.49	048	0.3600	-1.36	144	0.3985	-.20
026	0.0041 s	-5.82				658	0.4015	-.49				358	0.3950	-.30
			--	Method 031.01	--	038	0.3990	-.52	--	Method 031.05	--	297	0.3950	-.30
--	Method 028.05	--	687	0.5850 s	9.75	018	0.3980	-.53	028	0.7400 s	14.03	029	0.3957	-.33
726	61.385	1.50	622	0.5199 s	6.17	019	0.4000	-.69	160	0.4619	2.56	049	0.3905	-.40
160	57.940	1.17	122	0.5150 s	5.91	731	0.4000	-.69	294	0.4600	2.47	848	0.4000	-.41
613	56.800	1.07	623	0.4548	2.60	588	0.3950	-.70	726	0.4442	1.82	693	0.3935	-.41
017	52.500	.97	849	0.4500	2.33	142	0.3950	-.75	185	0.4383	1.58	017	0.3900	-.42
021	53.500	.92	108	0.4450	2.07	646	0.3950	-.75	003	0.4300	1.30	682	0.3900	-.42
202	55.000	.90	674	0.4450	2.07	026	0.3950	-.75	004	0.4300	1.24	550	0.3895	-.54
616	54.050	.81	710	0.4350	1.53	363	0.3950	-.75	610	0.4270	1.12	187	0.3862	-.58
366	51.500	.71	665	0.4300	1.35	679	0.3950	-.75	038	0.4250	1.06	265	0.3900	-.59
560	52.100	.62	619	0.4200 R	1.29	656	0.3950	-.75	202	0.4250	1.04	168	0.3960	-.60
357	50.500	.57	039	0.4282	1.13	563	0.3940	-.75	190	0.4250	1.04	171	0.3850	-.66
353	50.125	.47	035	0.4250	.99	263	0.3926	-.83	309	0.4198	.94	083	0.3850	-.66
186	50.000	.46	178	0.4150	.92	653	0.3930	-.83	553	0.4215	.93	045	0.3850	-.66
106	49.900	.42	001	0.4230	.85	647	0.4050	-.84	096	0.4100 R	.92	567	0.3850	-.66
042	48.750	.31	651	0.4205	.71	350	0.3920	-.87	560	0.4220	.91	164	0.3850	-.66
Avg	45.544		098	0.4100	.56	169	0.3850	-1.27	598	0.4200	.82	100	0.3850	-.66
572	44.550	-.24	629	0.4100	.56	337	0.3850	-1.27	353	0.4100	.58	300	0.3858	-.72
567	42.000	-.35	194	0.4150	.49	175	0.3900 R	-1.46	298	0.4100	.58	051	0.3800	-.83
309	43.365	-.36	638	0.4150	.49	689	0.3600	-2.62	021	0.4125	.57	199	0.3763	-1.00
027	40.815	-.45	723	0.4150	.49				042	0.4125	.57	357	0.3750	-1.06
693	39.700	-.57	650	0.4150	.49	--	Method 031.02	--	121	0.4075	.53	661	0.3750	-1.21
096	44.000	-.59	620	0.4122	.25	505	0.4150	1.25	027	0.4120	.49	035	0.3700	-1.25
169	38.200	-.70	722	0.4110	.20	508	0.4063	.56	520	0.4100	.41	089	0.3650	-1.47
110	35.760	-.95	036	0.4093	.18	Avg	0.4032		074	0.4100	.41	572	0.3615	-1.60
038	37.350	-.97	034	0.4100	.13	011	0.4010	-.24	407	0.4100	.41	548	0.3602	-1.65

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 031.05	--	--	Method 032.01	--	--	Method 032.05	--	--	Method 033.00	--	--	Method 033.01	--
645	0.3562	-1.82	563	1.2310	-.86	148	1.3050	.34	731	2.0950	2.35	021	1.8600	-1.61
154	0.3570	-1.83	675	1.2300	-.92	567	1.3050	.34	693	1.9350 R	1.46	004	1.8400	-1.95
208	0.3435	-2.35	710	1.1950	-1.39	199	1.2995	.33	366	1.9950	1.21	686	1.6000 s	-8.51
110	0.3269 s	-3.03	142	1.1200	-2.49	297	1.2900	.19	675	1.9550	.64	610	1.0265 s	-24.20
613	0.2600 s	-5.80	670	0.6950 s	-11.37	026	1.2855	.07	567	1.9350	.40	048	0.0000 s	-52.29
						Avg	1.2804		045	1.9250	.28			
--	Method 031.06	--	--	Method 032.02	--	572	1.2750	-.10	Avg	1.9026		--	Method 033.03	--
686	0.4000	.82	731	1.3900	1.37	164	1.2700	-.20	407	1.9000	-.25	598	2.3300 S	1.69
138	0.3950	.65	665	1.3750	.39	045	1.2800	-.27	689	1.8800	-.30	122	2.1000	.88
Avg	0.3933		Avg	1.3720		208	1.2585	-.32	309	1.8691	-.48	Avg	1.8650	
536	0.3850	-1.19	588	1.3680	-.27	049	1.2675	-.38	588	1.8600	-.53	144	1.6300	-.85
			169	1.3550	-1.18	357	1.2500	-.44	539	1.8700	-.63	265	0.9900 S	-3.17
--	Method 031.99	--	108	1.2200 s	-13.32	100	1.2450	-.49	679	1.8400	-.85	--	Method 033.05	--
729	0.4450	1.77				017	1.2500	-.49	298	1.8100	-1.14	171	1.9900	.98
692	0.4200	.70	--	Method 032.05	--	294	1.2400	-.55	353	1.8000	-1.34	Avg	1.9565	
673	0.4150	.39	160	1.5667 s	3.90	265	1.2550	-.59	849	0.1150 s	-21.82	110	1.9230	-.73
644	0.4100	.10	350	1.4872	2.81	154	1.2506	-.61	--	Method 033.01	--	--	Method 033.99	--
Avg	0.4078		726	1.4538	2.36	358	1.2300	-.69	185	2.0279 s	6.65	681	2.0400	1.60
676	0.4075	-.24	096	1.4000 R	2.12	242	1.2300	-.69	337	1.9700	1.65	673	1.9500	.97
590	0.4050	-.25	038	1.3900 R	1.77	616	1.2300	-.70	307	1.9350	1.40	552	1.8850	.39
724	0.3900	-.79	510	1.4000	1.65	300	1.2275	-.74	178	1.9400	1.36	Avg	1.8371	
552	0.3700	-1.73	185	1.4000	1.63	520	1.2500	-.80	098	1.9450	1.34	051	1.8100	-.32
			309	1.3420 R	1.23	550	1.2035	-1.06	205	1.9450	.95	716	1.7600	-.61
--	Method 032.01	--	560	1.3550	1.07	083	1.1900	-1.24	202	1.9300	.76	723	1.7550	-.65
505	1.3950	1.56	407	1.3550	1.02	693	1.1880	-1.26	559	1.9350	.68	619	1.6600	-1.39
591	1.3840	1.40	610	1.3495	.96	187	1.1850	-1.30	199	1.9300	.60	358	1.0900 s	-5.87
175	1.3500	.94	021	1.3450	.88	003	1.1950	-1.31	164	1.9250	.42			
208	1.3425	.83	405	1.3350	.74	051	1.1850	-1.31	510	1.9200	.37	--	Method 034.01	--
354	1.3350	.77	171	1.3350	.74	106	1.1800	-1.37	354	1.9150	.18	644	0.5050	1.17
650	1.3150	.39	553	1.3300	.69	645	1.1730	-1.46	Avg	1.9106		Avg	0.4830	
098	1.2950	.38	186	1.3300	.69	004	1.1625	-1.60	042	1.9085	-.16	038	0.4790	-.42
720	1.3100	.34	202	1.3200	.60	548	1.1600	-1.64	100	1.9000	-.40	638	0.4650	-.97
307	1.3000	.33	037	1.3240	.60	110	0.9256 s	-4.86	242	1.8900	-.56			
205	1.3050	.32	366	1.3200	.54	613	0.8150 s	-6.33	650	1.8950	-.59	--	Method 034.04	--
619	1.3050	.24	144	1.3200	.54	--	Method 032.99	--	175	1.8900	-.63	610	0.8505	1.91
Avg	1.2891		353	1.3050	.48	692	1.4650	.71	096	1.8900	-.63	572	0.6230 R	.86
139	1.2770	-.18	029	1.3075	.46				194	1.8850	-.71	190	0.5750	.60
038	1.2650	-.42	011	1.3090	.39				106	1.8750	-.98			
305	1.2500	-.59	042	1.3050	.39									

* 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 034.04	--	--	Method 035.00	--	--	Method 035.03	--	--	Method 035.05	--	--	Method 036.03	--
171	0.4650	.14	142	0.4300	-.30	154	0.4390	.44	560	0.4480	.42	550	0.0730 s	-10.17
208	0.4645	.12	139	0.4300	-.30	208	0.4395	.43	Avg	0.4414		049	0.0380 s	-11.85
164	0.4600	.11	205	0.4250	-.44	353	0.4400	.33	171	0.4350	-.47			
Avg	0.4488		354	0.4250	-.44	187	0.4400	.33	731	0.4300	-.66	--	Method 036.04	--
026	0.4300	-.09	722	0.4162	-.64	242	0.4400	.33	106	0.4225	-1.10	510	0.2700	.00
169	0.2000	-1.18	363	0.4150	-.68	567	0.4350	.25	665	0.4200	-1.25			
619	0.1455	-1.44	152	0.3950	-1.16	100	0.4350	.25	108	0.4350 R	-2.65	--	Method 037.01	--
			233	0.3650	-1.88	017	0.4350	.25				675	125.30 s	6.23
			305	0.3600	-2.00	199	0.4369	.22	--	Method 035.99	--	508	100.49	2.26
--	Method 034.05	--				Avg	0.4330		692	0.4900	.65	505	94.000 R	2.01
309	0.5663	1.06	--	Method 035.01	--	164	0.4295	-.20	Avg	0.4800		038	93.750	1.18
560	0.4990	.65	613	0.4900	1.66	148	0.4245	-.40	003	0.4700	-1.04	716	93.065	1.09
Avg	0.3901		647	0.4600	.11	598	0.4250	-.44				722	92.042	.90
154	0.3300	-.38	Avg	0.4580		358	0.4250	-.44	--	Method 036.00	--	098	92.000	.89
629	0.1650	-1.35	686	0.4550	-.30	049	0.4250	-.47	297	0.3000	.71	354	91.850	.87
			563	0.4498	-.43	298	0.4300	-.49				619	90.500	.72
--	Method 034.99	--	138	0.4350	-1.21	089	0.4200	-.61	--	Method 036.03	--	674	89.500	.63
096	0.6000	.84				682	0.4200	-.61	160	0.3285	2.04	013	89.700	.56
Avg	0.5150		--	Method 035.03	--	572	0.4195	-.65	186	0.3110	1.21	720	88.700	.36
098	0.4300	-.89	004	0.5185 s	3.99	045	0.4195	-.65	294	0.3100	1.16	731	87.180	.18
			160	0.5172 s	3.93	548	0.4196	-.69	187	0.3049	.91	178	87.000	.18
--	Method 035.00	--	726	0.4918	2.74	300	0.4185	-.72	560	0.3000	.68	563	86.510	.05
658	1.1025 s	16.03	185	0.4676	1.61	051	0.4150	-.87	169	0.3000	.68	Avg	86.438	
263	0.5315 S	2.16	309	0.4583 R	1.49	550	0.4120	-.99	021	0.2900	.28	305	85.280	-.19
710	0.5150	1.77	186	0.4630	1.40	520	0.4050	-1.33	202	0.2900	.20	653	86.213	-.22
122	0.5100	1.64	553	0.4510	1.09	693	0.4015	-1.50	171	0.2880	.14	689	84.000	-.42
175	0.5000 S	1.58	202	0.4550	1.05	645	0.3991	-1.68	Avg	0.2858		208	83.500	-.48
591	0.4710	.70	096	0.4500	.92	083	0.3950	-1.79	353	0.2850	-.24	307	83.000	-.57
337	0.4708	.69	021	0.4525	.91	265	0.3950 R	-2.12	106	0.2800	-.28	588	82.000	-.71
720	0.4650	.56	042	0.4505	.82	616	0.3710	-2.89	708	0.2785	-.39	175	80.000	-1.04
038	0.4480 R	.46	037	0.4480	.70	366	0.3650 s	-3.18	042	0.2750	-.55	710	79.500	-1.11
098	0.4550	.33	038	0.4460	.67	661	0.3650 s	-3.18	045	0.2750	-.57	014	77.000	-1.54
656	0.4500	.30	407	0.4450	.61	510	0.3540 s	-3.68	357	0.2750	-.57	591	76.225	-1.71
208	0.4500	.18	610	0.4455	.59	110	0.3276 s	-4.95	366	0.2750	-.57	035	75.500	-1.75
650	0.4450	.14	297	0.4400	.57				300	0.2700	-.75			
670	0.4450	.14	405	0.4400	.57	--	Method 035.05	--	154	0.2727 R	-1.12	--	Method 037.03	--
Avg	0.4384		144	0.4375	.53	588	0.4705	1.71	693	0.2585	-1.32	004	183.50 s	10.93
307	0.4400	-.06	029	0.4435	.49	169	0.4550	.85	616	0.2355	-2.40	003	138.50 s	7.45
675	0.4350	-.22	011	0.4430	.49	294	0.4500	.50	110	0.2107 R	-3.71	405	147.50 s	6.97
619	0.4320	-.26												

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 037.03	--	--	Method 037.05	--	--	Method 039.01	--	--	Method 103.99	--	--	Method 106.02	--
265	97.000	1.42	309	98.035	.98	164	0.9000	.00	847	7.0950	-.71	616	13.425	-.25
550	96.620	1.37	045	89.500 R	.87							038	11.839	-.60
171	95.000	1.18	616	96.400	.84	--	Method 039.02	--	--	Method 104.00	--	199	11.300	-.68
011	94.500	1.14	202	97.000	.80	154	0.2550	.87	208	17.750	.87	003	10.600	-.84
553	93.000	.97	027	95.905	.79	Avg	0.1443		Avg	13.820		021	8.0700	-1.43
185	91.000	.72	353	92.020	.65	011	0.0335	-.87	171	9.8900	-.87	004	7.4900	-1.56
029	90.235	.65	038	95.150	.59							096	7.2550	-1.61
148	90.400	.65	294	94.450	.57	--	Method 040.00	--	--	Method 105.00	--	560	4.4700	-2.25
100	90.000	.62	096	94.000	.52	560	0.2520	.71	160	2.8150	-.71			
512	86.740	.54	160	89.395	.08							--	Method 106.99	--
520	88.500	.47	Avg	89.196		--	Method 054.00	--	--	Method 105.01	--	029	10.540	.71
074	86.000	.37	021	86.250	-.27	171	5.5100	.71	208	4.4600	.71			
083	87.000	.35	042	86.000	-.30							--	Method 108.02	--
510	87.000	.28	567	85.915	-.30	--	Method 054.01	--	--	Method 106.00	--	208	6.5150	1.18
168	84.500	.17	726	85.762	-.32	028	5.6500 R	2.08	019	19.389	.51	644	5.8450	.48
Avg	84.500		560	85.700	-.32	014	5.9500	1.94	Avg	19.345		Avg	5.4813	
610	83.900	-.08	366	86.000	-.35	218	5.5335	.94	171	19.300	-1.11	560	5.2650	-.25
242	84.000	-.12	357	86.000	-.35	001	5.6750	.88				169	4.3000	-1.35
598	84.000	-.12	572	85.750	-.39	013	5.5460	.67	--	Method 106.02	--			
407	82.000	-.28	199	83.750	-.51	Avg	5.4385		035	21850 s	5022.97	--	Method 109.02	--
187	80.640	-.43	613	81.650	-.73	010	5.4200	-.10	028	16836 s	3878.21	722	182.84	1.45
350	80.550	-.44	169	80.650	-.79	036	5.4000	-.14	039	6709.5 s	1540.13	563	168.76	1.07
300	80.500	-.44	693	74.750	-1.37	029	5.4000	-.14	722	20.870	1.52	027	150.95 R	.62
144	80.300	-.59	037	69.150	-1.85	003	5.2000	-.94	208	19.800	1.28	644	147.85	.51
049	79.934	-.60	110	62.620	-2.43	038	5.1700	-1.02	619	18.700	1.03	208	141.22	.34
629	79.000	-.61				027	5.0910	-1.28	563	18.246	.92	610	138.95	.32
548	83.826 R	-1.34	--	Method 037.99	--				027	17.605	.78	199	139.85	.30
358	72.030	-1.38	692	92.400	.98	--	Method 073.03	--	160	17.540	.76	Avg	128.62	
297	74.500 R	-1.95	846	89.350	.67	848	1.3585	.71	017	17.450	.73	638	121.80	-.18
208	61.000	-2.60	Avg	86.261					610	17.000	.63	619	110.50	-.48
164	60.650	-2.63	607	85.721	-.09	--	Method 101.01	--	644	16.900	.61	560	75.300	-1.42
026	0.0082 s	-9.33	121	77.575	-1.44	208	863.00	.71	638	15.925 R	.50	675	59.160	-1.85
									670	16.290	.47			
--	Method 037.05	--	--	Method 038.00	--	--	Method 102.00	--	723	16.110	.43	--	Method 109.99	--
154	122.50 s	3.12	560	0.4905	.77	208	30.165	.71	010	14.450	.05	096	102.50	1.41
035	111.50	2.04	154	0.4810	.43				014	14.400	.04	171	102.50	.37
106	105.00	1.49	Avg	0.4688					034	14.350	.02	Avg	95.808	
186	101.50	1.13	510	0.4350	-1.31				Avg	14.259		723	82.425	-.61
017	98.000	1.03							169	13.800	-.12			

* 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 113.01 --			-- Method 122.00 --			-- Method 126.00 --			-- Method 129.00 --			-- Method 131.00 --		
208 4.1550		.71	350 2.1720		-1.37	160 0.5154 s		13.21	684 2.3850		2.18	571 0.3915		.25
						684 0.4435 R		4.82	160 2.2778		.99	Avg 0.3843		
-- Method 120.00 --			-- Method 124.00 --			350 0.4105		.93	619 2.2800		.89	504 0.3800		-.36
160 1.3623 R		5.27	160 0.5854		1.35	652 0.4100		.85	Avg 2.2123			350 0.3540		-1.00
684 1.2090		2.65	675 0.5750		1.19	504 0.4100		.85	571 2.2010		-.16	638 0.3500		-1.14
Avg 1.0534			684 0.5660		1.01	571 0.4080		.66	504 2.2050		-.33	619 0.3405		-1.46
350 1.0505		-.08	652 0.5250		.52	Avg 0.4028			676 2.1700		-.55			
571 1.0490		-.08	Avg 0.5087			619 0.4025		-.07	350 2.1640		-.61	-- Method 131.02 --		
504 1.0450		-.17	571 0.5025		-.14	675 0.4000		-.32	644 2.1600		-.66	676 0.3770		.71
619 1.0450		-.17	350 0.4830		-.46	676 0.3945		-1.01	652 2.1500		-.80			
652 1.0350		-.40	504 0.4600		-.85	644 0.3865		-1.91	675 2.1300		-1.05	-- Method 131.05 --		
676 1.0215		-.55	644 0.4585		-.88							610 0.4000		.00
675 1.0150		-.66	619 0.4230		-1.50	-- Method 127.00 --			-- Method 130.00 --					
644 1.0110		-.72				160 0.5861		2.20	676 3.8830		2.30	-- Method 131.99 --		
			-- Method 124.02 --			675 0.5350		1.49	504 3.6600		1.13	208 0.4300		.00
-- Method 121.00 --			676 0.4505		.71	676 0.4480		.28	160 3.6123		.90			
160 0.6398 s		8.18				Avg 0.4298			684 3.4775		.24	-- Method 132.00 --		
684 0.5535		1.53	-- Method 124.05 --			652 0.4100		-.28	350 3.4685		.17	160 1.1473 s		8.45
652 0.5450		1.39	610 0.4850		.71	684 0.3970		-.46	Avg 3.4356			619 0.8115		2.40
619 0.5370		.14				619 0.3935		-.51	571 3.4310		-.03	652 0.7050		.55
Avg 0.5355			-- Method 124.99 --			571 0.3905		-.56	619 3.4200		-.22	571 0.6870		.25
644 0.5350		-.09	638 0.4500		.00	504 0.3850		-.63	644 3.4055		-.32	504 0.6800		.18
504 0.5350		-.39				644 0.3785		-.72	208 3.3850		-.41	Avg 0.6781		
571 0.5270		-.68	-- Method 125.00 --			350 0.3740		-.78	638 3.3100		-.63	644 0.6685		-.18
350 0.5265		-.73	684 3.9920		1.72				652 3.2650		-.86	675 0.6500		-.51
675 0.5250		-1.43	160 3.9838		1.68	-- Method 128.00 --			675 3.2100		-1.15	350 0.6430		-.63
676 0.4670 s		-5.49	619 3.7200		.13	619 1.4150		1.70	674 3.1350		-1.51	684 0.6375		-.73
			Avg 3.7152			160 1.3533		.96				676 0.6205		-1.04
-- Method 122.00 --			350 3.6530		-.40	684 1.3390		.78	-- Method 130.05 --					
160 2.5161		2.36	675 3.6450		-.45	504 1.3050		.42	029 4.1350 S		11.38	-- Method 133.00 --		
684 2.3550		.63	652 3.6600		-.51	571 1.2905		.23	610 3.3400		.71	160 1.4494		2.15
652 2.3450		.57	571 3.6385		-.54	Avg 1.2737			Avg 3.3400			684 1.3235		.66
619 2.3050		.09	644 3.6230		-.57	644 1.2525		-.26				619 1.2900		.35
Avg 2.2986			676 3.5215		-1.21	652 1.2550		-.29	-- Method 131.00 --			652 1.2750		.31
644 2.2900		-.10	504 3.4750 R		-1.77	350 1.2180		-.67	675 0.4300		1.52	Avg 1.2678		
571 2.2750		-.28				675 1.1650		-1.34	684 0.4135 R		1.07	644 1.2620		-.26
676 2.2575		-.45				676 1.1440		-1.56	644 0.4150		1.03	571 1.2270		-.55
675 2.2450		-.58							160 0.4023		.60	676 1.2180		-.60
504 2.2250		-.81							652 0.3950		.39	504 1.2150		-.75

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

Laboratory Averages & Accuracy Indexes

<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>
--	Method 133.00	--	--	Method 136.01	--									
675	1.1500	-1.40	619	0.3395	-.51									
			160	0.3150	-1.27									
--	Method 134.00	--	--	Method 136.99	--									
160	1.4579 s	8.74	504	0.4300	.87									
676	1.0950	1.26	Avg	0.4018										
675	1.0800	1.03	610	0.3735	-.87									
684	1.0785	.94	--	Method 137.00	--									
571	1.0480	.30	160	0.8879	2.11									
619	1.0400	.13	Avg	0.6232										
Avg	1.0337		676	0.6130	-.08									
644	1.0120	-.45	675	0.5700	-.42									
652	1.0150	-.49	684	0.5645	-.47									
350	0.9900	-.91	644	0.5640	-.47									
504	0.9450	-1.89	504	0.5400	-.66									
			350	0.4665 R	-1.25									
--	Method 135.00	--	--	Method 138.00	--									
160	1.8377 s	6.06	619	1.4800	2.32									
684	1.5880	2.28	684	1.2780	.60									
652	1.4750 R	.69	504	1.2500	.36									
644	1.4630	.39	571	1.2320	.22									
571	1.4435	.11	Avg	1.2083										
350	1.4380	.08	350	1.2030	-.08									
Avg	1.4372		644	1.1940	-.12									
619	1.4050	-.54	675	1.1750	-.29									
638	1.4000	-.56	160	1.1456	-.54									
504	1.3800	-.86	676	1.0800	-1.10									
675	1.3800	-.88	652	1.0450	-1.40									
676	0.8035 s	-13.80	--	Method 139.00	--									
			504	0.0450	.71									
--	Method 135.05	--	--	Method 210.01	--									
610	1.4300	.71	676	3.9085	.71									
--	Method 136.00	--												
684	0.3520	.71												
--	Method 136.01	--												
644	0.3880	1.01												
571	0.3805	.78												
Avg	0.3557													

* 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	3.1242	7.02	0.27	010.03	3	0.0000	1.09	0.22
001.03	5	0.0000	0.92	0.47	010.11	9	0.8223	2.65	0.04
001.07	34	0.0774	2.15	0.48	010.99	18	0.1981	1.29	0.08
001.08	2	0.0000	1.21	0.13	011.01	65	0.1389	1.21	0.13
001.99	15	0.2213	1.26	0.30	011.99	2	0.0000	1.22	0.07
002.00	5	0.0000	0.95	0.42	012.00	3	0.0000	1.12	0.03
002.01	12	-0.2494	1.29	1.13	012.01	3	0.0000	1.11	0.09
002.02	9	0.0000	1.03	0.06	012.03	2	0.0000	1.20	0.15
002.04	5	0.0000	1.06	0.06	013.02	32	-0.3522	2.12	0.37
002.05	19	-0.0362	0.99	0.25	013.03	7	0.0000	0.93	0.43
002.06	123	0.0283	1.96	0.43	013.08	5	0.3899	1.22	0.77
002.08	5	0.0265	0.94	0.13	013.10	23	-0.4051	1.59	0.26
002.10	7	0.0000	1.00	0.27	013.12	4	0.0000	1.07	0.11
002.11	10	1.0582	2.62	0.15	013.13	2	0.0000	1.15	0.30
002.99	5	0.0000	0.95	0.42	013.99	2	0.0000	0.28	0.84
003.00	27	0.0363	1.01	0.03	015.00	14	0.1094	1.06	0.16
003.01	2	0.0000	1.21	0.13	017.00	5	0.2609	2.24	1.67
003.06	18	0.0141	0.99	0.03	017.99	2	0.0000	0.87	0.61
003.09	10	0.0000	1.03	0.03	018.02	2	0.0000	1.17	0.25
003.10	21	-0.0562	0.98	0.03	019.00	13	0.0081	3.11	0.34
003.11	7	0.0000	1.04	0.03	019.01	49	0.5646	3.76	0.47
003.12	2	0.0000	1.22	0.03	019.03	6	1.5049	3.80	0.31
003.13	4	0.0000	1.08	0.07	019.05	40	0.2106	1.27	0.47
003.14	6	0.0000	0.86	0.54	019.08	6	0.6473	1.82	0.33
003.99	5	0.0000	1.06	0.03	019.09	30	-0.2303	1.29	0.27
004.00	19	0.1989	1.34	0.14	019.99	6	0.5147	1.57	0.24
004.03	2	0.0000	0.85	0.62	020.01	3	0.0000	1.11	0.10
004.06	28	1.3363	4.64	0.34	021.01	4	0.0000	1.07	0.13
004.07	24	0.6526	1.77	0.22	021.02	15	0.6662	2.75	0.55
004.11	2	9.1688	12.97	0.50	022.01	16	0.5420	1.98	0.25
004.99	3	0.0000	1.10	0.18	022.03	21	0.1255	1.05	0.43
005.00	124	-0.0112	1.18	0.46	022.05	17	0.3704	1.52	0.13
005.11	9	0.0000	0.00	0.00	025.01	18	-0.0238	0.97	0.22
005.99	11	1.0794	3.79	0.42	025.03	29	-0.0920	1.32	0.38
008.02	5	12.2899	27.50	0.94	025.05	21	-0.0663	1.33	0.86
008.08	10	0.7250	2.12	0.45	025.99	3	1.4366	2.63	0.12
008.99	2	0.0000	1.22	0.06	026.99	2	0.0000	1.18	0.23
009.07	4	17.7865	35.58	0.58	027.01	26	-0.2995	1.49	0.37
009.09	9	0.0860	1.00	0.08	027.03	35	3.1435	18.92	0.33

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	26	-0.0532	1.26	0.29	106.02	27	386.4091	1217.57	49.86
027.99	4	1.7984	2.18	0.54	108.02	4	0.0000	1.07	0.14
028.01	22	0.0319	0.99	0.25	109.02	11	0.0540	0.99	0.08
028.03	32	-0.2032	1.38	0.40	109.99	3	0.0000	0.52	0.81
028.05	26	0.0000	0.97	0.29	120.00	10	0.5256	1.92	0.16
028.99	3	0.0000	0.97	0.46	121.00	10	0.2798	3.31	0.70
031.01	57	0.3777	1.93	0.36	122.00	10	0.0000	1.02	0.13
031.02	4	0.0000	1.00	0.35	124.00	9	0.0000	1.01	0.19
031.03	8	0.6373	1.98	0.24	125.00	10	-0.1491	1.06	0.35
031.05	68	0.0826	2.11	0.27	126.00	10	1.7987	4.38	0.27
031.06	3	0.0000	0.94	0.50	127.00	10	0.0000	1.02	0.11
031.99	8	0.0000	0.96	0.35	128.00	10	0.0000	1.02	0.14
032.01	19	-0.4598	2.22	1.68	129.00	10	0.0000	1.00	0.23
032.02	5	-2.0247	4.60	3.89	130.00	13	0.0000	1.00	0.20
032.05	57	-0.0580	1.53	0.34	130.05	2	5.6215	7.95	1.35
033.00	15	-1.4281	5.71	0.45	131.00	10	0.0972	1.01	0.19
033.01	25	-3.2710	11.46	1.26	132.00	10	0.8449	2.84	0.13
033.03	4	-0.3717	2.15	0.11	133.00	9	0.0000	1.00	0.23
033.05	2	0.0000	1.03	0.46	134.00	10	0.8708	2.91	0.34
033.99	8	-0.7343	2.28	0.18	135.00	11	-0.2686	3.68	3.00
034.01	3	0.0000	1.06	0.30	136.01	4	0.0000	1.08	0.08
034.04	9	0.0917	1.00	0.10	136.99	2	0.0000	1.22	0.01
034.05	4	0.0000	1.08	0.08	137.00	7	-0.1781	1.07	0.03
034.99	2	0.0000	1.19	0.21	138.00	10	0.0000	1.03	0.07
035.00	26	0.6755	3.28	0.20					
035.01	5	0.0000	1.04	0.17					
035.03	53	-0.1438	1.60	0.33					
035.05	9	-0.0413	0.96	0.89					
035.99	2	0.0000	0.65	0.73					
036.03	23	-1.1402	3.34	0.33					
037.01	26	0.2857	1.56	0.37					
037.03	34	0.3925	3.08	0.87					
037.05	29	0.1061	1.09	0.36					
037.99	4	0.0000	1.01	0.32					
038.00	3	0.0000	1.05	0.31					
039.02	2	0.0000	1.22	0.05					
054.01	11	0.0700	0.91	0.70					
104.00	2	0.0000	1.22	0.02					
106.00	2	0.0000	0.09	0.86					