

- Pass 1 Results for 202 Labs - - Pass 2 Results for 202 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
NPN, Urea + Am, Urease Method.....	941.04	000.01	1	12.0000	0.00000	0.00000	1	12.0000	0.00000	0.00000
Urea, as Protein Colorimetric .....	967.07	000.02	1	2.65000	0.07071	0.10000	1	2.65000	0.07071	0.10000
Urea, Misc .....		000.99	1	10.7700	0.14142	0.20000	1	10.7700	0.14142	0.20000
Method Group 000.XX PCT			3	8.47333	4.54470	0.10000	3	8.47333	4.54470	0.10000
Loss on Drying, Vac 95 deg 5 hr .....	934.01	001.00	8	8.27688	0.40468	0.09500	8	8.27688	0.40468	0.09500
Loss on Drying, ISO 6496 .....		001.03	4	8.34750	0.08828	0.06500	4	8.34750	0.08828	0.06500
Loss on Drying, LECO .....		001.05	1	8.61000	0.16971	0.24000	1	8.61000	0.16971	0.24000
Loss on Drying, 104 deg 3 hr, in malt .	935.29	001.07	41	8.15555	0.30912	0.12584	39	8.15110	0.29806	0.10742
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	2	8.24250	0.84425	0.39500	2	8.24250	0.84425	0.39500
Loss on Drying, Misc .....		001.99	14	8.53071	0.47037	0.11286	13	8.52154	0.48242	0.08308
Method Group 001.XX PCT			70	8.26440	0.39464	0.12556	67	8.25929	0.39118	0.10925
Protein, Crude .....	954.01	002.00	4	32.1075	0.46546	0.05000	4	32.1075	0.46546	0.05000
Protein, Auto Kjell-Foss .....	976.05	002.01	10	31.9421	0.52223	0.22140	9	31.9285	0.53336	0.15822
Protein, Semiauto Autoanalyzer .....	976.06	002.02	12	32.2250	0.64102	0.14742	12	32.2250	0.64102	0.14742
Protein, Hach Method .....		002.03	4	32.3688	0.18349	0.14750	4	32.3688	0.18349	0.14750
Protein, Copper Cat .....	984.13	002.04	5	32.8440	0.56759	0.11600	5	32.8440	0.56759	0.11600
Protein, Copper, Boric Acid .....		002.05	21	32.1531	0.38047	0.12393	21	32.1531	0.38047	0.12393
Protein, Combustion Nitrogen Analyzer	990.03	002.06	116	32.6635	0.36030	0.16995	111	32.6604	0.33643	0.15409
Protein, Cu/Ti .....	988.05	002.08	9	32.0252	0.37108	0.10944	8	32.0471	0.37832	0.06062
Protein, Block dig/distillation .....		002.10	7	31.9171	0.45751	0.17429	7	31.9171	0.45751	0.17429
Protein, NIR .....		002.11	1	34.0900	0.32527	0.46000	1	34.0900	0.32527	0.46000
Protein, Misc .....		002.99	4	32.8013	0.68058	0.15250	4	32.8013	0.68058	0.15250
Method Group 002.XX PCT			193	32.4838	0.50955	0.16034	186	32.4827	0.50020	0.14540
Fat, Eth Ext, Direct .....	920.39	003.00	30	2.39149	0.24893	0.09106	28	2.40946	0.23919	0.06685
Fat, Ind Eth Ext (13th ed), Indirect ..	920.39	003.01	1	2.45000	0.38184	0.54000	1	2.45000	0.38184	0.54000
Fat, In Fish Meal .....	948.04	003.04	1	2.18000	0.01414	0.02000	1	2.18000	0.01414	0.02000
Fat, Pet Ether .....		003.06	30	2.20573	0.18692	0.06667	28	2.19756	0.18684	0.05500
Fat, Aq Ext .....	920.39	003.07	1	2.11500	0.17678	0.25000	1	2.11500	0.17678	0.25000
Fat, Soxtec, Eth Ext .....		003.09	29	2.30905	0.16900	0.06201	29	2.30905	0.16900	0.06201
Fat, Soxtec, Pet Ether .....		003.10	36	2.11112	0.25727	0.08798	33	2.09453	0.22802	0.05264
Fat, NIR .....		003.11	12	2.14333	0.41212	0.04333	12	2.14333	0.41212	0.04333
Fat, Hexane Ext. ....		003.12	6	2.24500	0.11525	0.09000	6	2.24500	0.11525	0.09000
Fat, Soxtec, Hexane Ext. ....		003.13	3	2.14467	0.13830	0.07000	3	2.14467	0.13830	0.07000
Fat, Ankom .....		003.14	11	2.16864	0.16287	0.09364	10	2.15550	0.15582	0.06900
Fat, Misc .....		003.99	6	2.39250	0.29428	0.11833	6	2.39250	0.29428	0.11833
Method Group 003.XX PCT			166	2.23770	0.25542	0.08143	158	2.23644	0.25210	0.06600
Fiber, Crude Asbestos Free .....	962.09	004.00	31	8.34474	0.65850	0.16474	30	8.33190	0.66159	0.14356
Fiber, Sing Filt .....		004.01	2	10.0350	0.78318	0.59000	2	10.0350	0.78318	0.59000
Fiber, Fritted Glass .....	978.10	004.03	3	8.75667	0.54552	0.03333	3	8.75667	0.54552	0.03333

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Fiber, Fibertec .....		004.06	31	8.52389	0.48760	0.15887	31	8.52389	0.48760	0.15887
Fiber, ANKOM .....		004.07	38	9.57026	1.46144	0.36053	38	9.75105	1.61314	0.27632
Fiber, NIR .....		004.11	12	9.39917	0.46568	0.15333	12	9.39917	0.46568	0.15333
Fiber, Misc .....		004.99	6	8.13583	1.01743	0.17833	6	8.13583	1.01743	0.17833
Method Group 004.XX PCT			123	8.89872	1.10866	0.22701	120	8.88560	1.08699	0.19552
Ash, .....	942.05	005.00	118	21.1868	0.64673	0.16975	107	21.2841	0.48434	0.12375
Ash, LECO .....		005.02	1	21.3000	0.00000	0.00000	1	21.3000	0.00000	0.00000
Ash, NIR .....		005.11	7	21.9079	0.94513	0.25000	8	22.1200	1.06300	0.31500
Ash, Misc .....		005.99	12	21.3571	0.49678	0.19083	11	21.3532	0.49628	0.11727
Method Group 005.XX PCT			138	21.2390	0.66831	0.17443	126	21.3249	0.53515	0.12921
Fiber, Acid Detergent .....	973.18	008.02	18	10.7019	0.66374	0.20912	18	10.7019	0.66374	0.20912
Fiber, Acid Detergent-Hach .....		008.05	1	11.2500	0.21213	0.30000	1	11.2500	0.21213	0.30000
Fiber, Acid Detergent by ANKOM .....		008.08	24	10.8569	0.62384	0.18792	23	10.8807	0.62029	0.15957
Fiber, Acid Detergent Misc .....		008.99	6	11.0167	0.45733	0.24333	6	11.0167	0.45733	0.24333
Method Group 008.XX PCT			49	10.8275	0.62137	0.20478	48	10.8383	0.62029	0.19154
Fiber, Neutral Det-No ENZ Pretreat ....		009.04	1	22.6100	1.13137	1.60000	1	22.6100	1.13137	1.60000
Fiber, Neutral Det-ENZ Pretreat .....		009.07	19	20.9652	1.63172	0.24248	18	20.9243	1.66464	0.20707
Fiber, Neutral Detergent by ANKOM .....		009.09	18	20.1731	0.59780	0.34500	18	20.1731	0.59780	0.34500
Fiber, Neutral Det Misc .....		009.99	3	20.4400	1.66693	0.36000	3	20.4400	1.66693	0.36000
Method Group 009.XX PCT			41	20.6191	1.34269	0.32920	40	20.5921	1.34656	0.31543
Moisture, Karl-Fischer .....	966.20	010.03	1	5.68500	0.07778	0.11000	1	5.68500	0.07778	0.11000
Moisture, NIR .....		010.11	11	8.83864	1.12843	0.10273	11	8.83864	1.12843	0.10273
Moisture, Misc .....		010.99	14	8.54857	0.74660	0.11486	12	8.59000	0.78413	0.05067
Method Group 010.XX PCT			26	8.56115	1.08501	0.10954	24	8.58292	1.12159	0.07700
Loss on Drying, 135 deg 2 hr .....	930.15	011.01	74	9.45192	0.41742	0.10404	69	9.45083	0.41291	0.07696
Loss on Drying, High Temp Methods, Misc		011.99	2	8.64750	0.03304	0.04500	2	8.64750	0.03304	0.04500
Method Group 011.XX PCT			76	9.43075	0.43166	0.10249	71	9.42821	0.42834	0.07606
Starch, Polarimetric (Ewers) .....		012.00	9	8.12222	0.93365	0.31778	9	8.12222	0.93365	0.31778
Starch, Megazyme .....		012.01	2	7.44750	0.16358	0.13500	2	7.44750	0.16358	0.13500
Starch, Colorimetric (GOP) .....		012.02	1	9.04500	0.13435	0.19000	1	9.04500	0.13435	0.19000
Starch, Enzymatic .....		012.03	3	7.25000	0.47678	0.44667	3	7.25000	0.47678	0.44667
Starch, YSI Analyzer .....		012.04	4	7.79000	1.18696	0.22500	4	7.79000	1.18696	0.22500
Method Group 012.XX PCT			19	7.89211	0.94262	0.29263	19	7.89211	0.94262	0.29263
Fat, Mojonnier, Bak Ext .....	954.02	013.02	18	3.42750	0.42458	0.10722	16	3.44313	0.44360	0.07500
Fat, Soxtec-Acid Hydrolysis .....		013.10	18	3.02428	0.50293	0.18244	17	3.04424	0.50235	0.14906
Fat, Pretreat or extended ext, misc ...		013.99	2	3.76750	0.43216	0.10500	2	3.76750	0.43216	0.10500
Method Group 013.XX PCT			38	3.25439	0.51330	0.14274	35	3.26791	0.52017	0.11269
Aluminum, ICP .....		015.00	11	174.712	25.3575	6.41182	10	177.734	24.1426	4.15300
Method Group 015.XX PPM			11	174.712	25.3575	6.41182	10	177.734	24.1426	4.15300

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Arsenic, AA, Hydride .....		016.00	2	0.16950	0.09039	0.07600	2	0.16950	0.09039	0.07600
Arsenic, ICP .....		016.02	1	0.25900	0.01273	0.01800	1	0.25900	0.01273	0.01800
Method Group 016.XX PPM			3	0.19933	0.08409	0.05667	3	0.19933	0.08409	0.05667
Boron, ICP .....		017.00	9	16.0183	2.09654	1.31222	8	15.7538	1.82392	0.79750
Boron, Misc .....		017.99	1	14.7000	0.00000	0.00000	1	14.7000	0.00000	0.00000
Method Group 017.XX PPM			10	15.8865	2.02422	1.18100	9	15.6367	1.74683	0.70889
Cadmium, ICP .....		018.02	3	0.21983	0.02047	0.01200	3	0.21983	0.02047	0.01200
Method Group 018.XX PPM			3	0.21983	0.02047	0.01200	3	0.21983	0.02047	0.01200
Calcium, Ox-Mn04 Vol .....	927.02	019.00	15	5.47073	0.20085	0.06707	14	5.46542	0.20381	0.05257
Calcium, At Abs Spect .....	968.08	019.01	50	5.44075	0.24129	0.06454	47	5.44133	0.22076	0.04377
Calcium, Semiauto (Autoanalyzer) .....		019.03	7	5.61193	0.22380	0.06529	7	5.61193	0.22380	0.06529
Calcium, ICP, Dry Ash.....		019.05	42	5.47121	0.21565	0.08928	40	5.45615	0.20693	0.07844
Calcium, EDTA .....		019.08	6	5.40433	0.22154	0.04140	6	5.40433	0.22154	0.04140
Calcium, ICP, Wet Ash .....		019.09	24	5.48309	0.19728	0.10924	22	5.46348	0.18506	0.08360
Calcium, Misc .....		019.99	6	5.26925	0.23705	0.03650	5	5.27210	0.25957	0.01380
Method Group 019.XX PCT			150	5.45872	0.22625	0.07686	141	5.45227	0.21541	0.06060
Chromium, AA.....		020.00	2	6.69500	1.11757	1.18000	2	6.69500	1.11757	1.18000
Chromium, ICP .....		020.01	9	6.68797	1.66740	0.79550	9	6.68797	1.66740	0.79550
Chromium, Misc .....		020.99	2	6.36000	0.74668	0.09000	2	6.36000	0.74668	0.09000
Method Group 020.XX PPM			13	6.63860	1.45672	0.74612	13	6.63860	1.45672	0.74612
Cobalt, AA .....	968.08	021.01	4	2.29638	0.68375	0.16425	4	2.29638	0.68375	0.16425
Cobalt, ICP .....		021.02	18	2.22510	0.47441	0.13747	18	2.22510	0.47441	0.13747
Cobalt, Misc. ....		021.99	3	2.51830	0.85042	0.35587	3	2.51830	0.85042	0.35587
Method Group 021.XX PPM			25	2.27169	0.55721	0.16796	25	2.27169	0.55721	0.16796
Copper, AA .....	968.08	022.01	26	21.2157	2.53212	1.34958	24	20.8795	2.16213	1.00371
Copper, ICP, Dry Ash .....	968.08	022.03	32	20.0832	2.76349	1.21978	31	19.9857	2.72560	1.12145
Copper, ICP, Wet Ash .....	968.08	022.05	24	20.2602	1.85760	1.30625	23	20.2933	1.81644	1.14565
Copper, Misc .....		022.99	5	20.7559	2.30680	0.73858	5	20.7559	2.30680	0.73858
Method Group 022.XX PPM			87	20.5091	2.47454	1.25477	83	20.3758	2.32590	1.07105
Fluorine, Ion Sel Elect .....	975.08	023.01	1	0.00200	0.00000	0.00000	1	0.00200	0.00000	0.00000
Iron, AA .....	968.08	025.01	26	463.139	37.8969	14.4997	24	463.359	36.5868	9.37471
Iron, ICP, Dry Ash .....	968.08	025.03	32	425.917	31.9481	8.96631	30	425.927	32.4925	6.73533
Iron, ICP, Wet Ash .....	968.08	025.05	23	405.344	51.1194	14.9222	22	407.291	51.1622	13.3732
Iron, Misc .....		025.99	4	413.979	47.2395	42.6984	4	413.979	47.2395	42.6984
Method Group 025.XX PPM			85	431.174	46.0716	13.8579	80	431.434	45.7093	11.1507
Lead, .....		026.00	2	0.21150	0.02999	0.04500	2	0.21150	0.02999	0.04500
Lead, Misc .....		026.99	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Method Group 026.XX PPM			3	0.14100	0.11166	0.03000	3	0.14100	0.11166	0.03000
Magnesium, AA .....	968.08	027.01	25	0.40499	0.01990	0.00750	24	0.40540	0.01997	0.00656

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Magnesium, ICP, Dry Ash .....	968.08	027.03	37	0.39970	0.02122	0.00796	36	0.39846	0.01995	0.00732
Magnesium, ICP, Wet Ash .....	968.08	027.05	21	0.40648	0.02271	0.00846	20	0.40805	0.02184	0.00738
Magnesium, Misc. ....		027.99	2	0.41000	0.01155	0.00000	2	0.41000	0.01155	0.00000
Method Group 027.XX PCT			85	0.40317	0.02114	0.00776	82	0.40311	0.02057	0.00693
Manganese, AA .....	968.08	028.01	32	339.314	25.6171	8.44109	30	340.685	24.5412	6.43717
Manganese, ICP, Dry Ash .....	968.08	028.03	33	328.095	21.6759	8.14421	32	327.723	21.6485	7.21122
Manganese, ICP, Wet Ash .....	968.08	028.05	22	334.469	20.6761	12.0250	22	334.469	20.6761	12.0250
Manganese, Misc. ....		028.99	4	337.995	12.5311	6.76992	4	337.995	12.5311	6.76992
Method Group 028.XX PPM			91	334.016	22.9833	9.12641	88	334.295	22.6610	8.13072
Nitrate, Color .....	968.07	030.00	1	0.01550	0.00071	0.00100	1	0.01550	0.00071	0.00100
Phosphorus, Vol .....	964.06	031.00	2	1.15190	0.03525	0.03810	2	1.15190	0.03525	0.03810
Phosphorus, Photometric .....	965.17	031.01	61	1.11214	0.03887	0.01930	59	1.11216	0.03802	0.01672
Phosphorus, GQMP (2.028) .....	964.06	031.02	4	1.12985	0.00929	0.01065	4	1.12985	0.00929	0.01065
Phosphorus, Autoanalyzer .....		031.03	8	1.10569	0.05177	0.01712	8	1.10569	0.05177	0.01712
Phosphorus, ICP .....		031.05	66	1.11752	0.05191	0.02145	62	1.11933	0.05335	0.01481
Phosphorus, Hach Method .....		031.06	2	1.11250	0.02754	0.01500	2	1.11250	0.02754	0.01500
Phosphorus, Misc .....		031.99	6	1.08875	0.05386	0.03417	6	1.08875	0.05386	0.03417
Method Group 031.XX PCT			149	1.11425	0.04617	0.02070	142	1.11396	0.04510	0.01673
Potassium, AA .....	975.03	032.01	31	1.29358	0.05585	0.02264	30	1.29387	0.05616	0.02039
Potassium, Flame Emission .....	956.01	032.02	8	1.26838	0.06952	0.05050	7	1.27814	0.05672	0.02914
Potassium, ICP .....		032.05	62	1.31480	0.05808	0.02642	59	1.31453	0.05471	0.02290
Potassium, Misc .....		032.99	4	1.34500	0.06633	0.06000	4	1.34500	0.06633	0.06000
Method Group 032.XX PCT			105	1.30615	0.06040	0.02842	100	1.30700	0.05712	0.02407
Salt, Sol Cl .....	943.01	033.00	24	3.60992	0.12759	0.03608	23	3.61687	0.12513	0.03243
Salt, Poten Cl .....	969.10	033.01	35	3.67167	0.05851	0.02053	33	3.66707	0.05605	0.01723
Salt, Quantab .....		033.03	4	3.87000	0.14784	0.10500	4	3.87000	0.14784	0.10500
Salt, Ion Sel Electrode .....		033.05	2	3.46500	0.30687	0.04000	2	3.46500	0.30687	0.04000
Salt, Misc .....		033.99	6	3.49783	0.29797	0.07433	6	3.29318	0.30468	0.02347
Method Group 033.XX PCT			71	3.64146	0.15333	0.03564	67	3.63595	0.14725	0.02897
Selenium, Fluor .....	969.06	034.01	3	1.97833	0.25756	0.04333	3	1.97833	0.25756	0.04333
Selenium, AA, Hydride .....		034.04	11	2.00795	0.31848	0.05064	10	2.01000	0.33351	0.03800
Selenium, ICP .....		034.05	6	2.03904	0.48151	0.13018	6	2.03904	0.48151	0.13018
Selenium, AA, Furnace .....		034.06	1	1.92500	0.06364	0.09000	1	1.92500	0.06364	0.09000
Selenium, Misc .....		034.99	1	2.00000	0.00000	0.00000	1	2.00000	0.00000	0.00000
Method Group 034.XX PPM			22	2.00826	0.34259	0.07082	21	2.00925	0.35027	0.06577
Sodium, AA .....		035.00	26	1.40239	0.08403	0.02051	24	1.39926	0.08055	0.01639
Sodium, Ion Sel Electrode .....		035.01	5	1.40728	0.04274	0.02264	5	1.40728	0.04274	0.02264
Sodium, ICP .....		035.03	55	1.40742	0.07568	0.03646	52	1.40939	0.07205	0.02557
Sodium, Flame Emission .....	956.01	035.05	8	1.39263	0.10834	0.03475	8	1.39263	0.10834	0.03475

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Sodium, Misc .....		035.99	2	1.41000	0.04082	0.01000	2	1.41000	0.04082	0.01000
Method Group 035.XX PCT			96	1.40487	0.07878	0.03073	91	1.40514	0.07593	0.02345
Sulfur, (Gravimetric) .....		036.00	2	0.78750	0.03686	0.04500	2	0.78750	0.03686	0.04500
Sulfur, ICP .....		036.03	23	0.80170	0.07031	0.02057	23	0.80170	0.07031	0.02057
Sulfur, LECO .....		036.04	4	0.77171	0.05741	0.01968	4	0.77171	0.05741	0.01968
Method Group 036.XX PCT			29	0.79659	0.06703	0.02213	29	0.79659	0.06703	0.02213
Zinc, AA .....	968.08	037.01	32	418.140	27.0932	10.6135	30	415.599	25.3140	8.75443
Zinc, ICP, Dry Ash .....	968.08	037.03	36	383.402	27.8132	9.36711	35	382.699	27.5910	8.26331
Zinc, ICP, Wet Ash .....	968.08	037.05	23	393.243	37.3799	22.9517	22	392.027	36.7833	20.3586
Zinc, Misc .....		037.99	4	380.047	25.3771	22.4738	4	380.047	25.3771	22.4738
Method Group 037.XX PPM			95	397.345	33.6016	13.6277	91	395.684	32.4987	11.9740
Molybdenum, ICP .....		038.00	14	4.33352	0.72545	0.67375	13	4.32033	0.62019	0.49404
Molybdenum, Misc .....		038.99	1	6.00000	0.14142	0.20000	1	6.00000	0.14142	0.20000
Method Group 038.XX PPM			15	4.44462	0.81819	0.64217	14	4.44030	0.74226	0.47304
Nickel, AA .....		039.01	1	4.15000	0.07071	0.10000	1	4.15000	0.07071	0.10000
Nickel, ICP .....		039.02	7	5.80232	1.37177	0.24579	6	5.54438	1.28872	0.10342
Method Group 039.XX PPM			8	5.59578	1.39632	0.22756	7	5.34518	1.28921	0.10293
Barium, ICP .....		040.00	1	11.8500	0.63640	0.90000	1	11.8500	0.63640	0.90000
Vanadium, ICP .....		041.00	4	2.18600	0.54454	0.11875	4	2.18600	0.54454	0.11875
Method Group 041.XX PPM			4	2.18600	0.54454	0.11875	4	2.18600	0.54454	0.11875
Lasalocid, Sodium (Microbio) .....	975.60	061.00	2	185.525	5.02353	2.55000	2	185.525	5.02353	2.55000
Lasalocid, Sodium, HPLC .....		061.02	16	189.188	9.23843	4.39044	16	189.188	9.23843	4.39044
Method Group 061.XX G/TON			18	188.781	8.89497	4.18594	18	188.781	8.89497	4.18594
Sulfamethazine, HPLC .....		082.01	1	0.00535	0.00021	0.00030	1	0.00535	0.00021	0.00030
Thiamine, HPLC .....		105.00	1	2.36000	0.15556	0.22000	1	2.36000	0.15556	0.22000
Vitamin A, Color .....	974.29	106.00	2	10.8700	0.85922	0.86000	2	10.8700	0.85922	0.86000
Vitamin A, HPLC .....		106.02	18	11.1161	2.50474	0.72228	16	10.9200	2.52862	0.42756
Vitamin A, Misc .....		106.99	2	9.16500	0.28337	0.38000	2	9.16500	0.28337	0.38000
Method Group 106.XX KU/LB			22	10.9163	2.34149	0.70368	20	10.7395	2.32982	0.46605
Vitamin D3, HPLC .....		108.02	4	6.29500	4.64271	0.68500	4	6.29500	4.64271	0.68500
Method Group 108.XX KU/LB			4	6.29500	4.64271	0.68500	4	6.29500	4.64271	0.68500
Vitamin E, HPLC .....		109.02	9	9.39693	4.02107	0.21896	8	9.15279	4.21019	0.13383
Method Group 109.XX MG/KG			9	9.39693	4.02107	0.21896	8	9.15279	4.21019	0.13383
Alanine, Post-col Ninhydrin Der .....	994.12	120.00	11	0.92717	0.03353	0.01989	11	0.92717	0.03353	0.01989
Alanine, Pre-col AQC Der .....		120.05	1	0.95000	0.05657	0.08000	1	0.95000	0.05657	0.08000
Method Group 120.XX PCT			12	0.92907	0.03474	0.02490	12	0.92907	0.03474	0.02490
Arginine, Post-col Ninhydrin Der .....	994.12	121.00	12	1.96679	0.07781	0.05029	12	1.96679	0.07781	0.05029
Method Group 121.XX PCT			12	1.96679	0.07781	0.05029	12	1.96679	0.07781	0.05029
Aspartic, Post-col Ninhydrin Der .....	994.12	122.00	12	2.04871	0.07133	0.02631	11	2.03996	0.06485	0.01688

- Pass 1 Results for 202 Labs - - Pass 2 Results for 202 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
Aspartic, Pre-col AQC Der .....		122.05	1	2.01000	0.11314	0.16000	1	2.01000	0.11314	0.16000
Method Group 122.XX PCT			13	2.04573	0.07282	0.03659	12	2.03746	0.06685	0.02881
Cysteine/Cystine, PAO Post-col Ninhydrin Der	994.12	124.00	9	0.37635	0.03155	0.00466	9	0.37635	0.03155	0.00466
Cysteine/Cystine, PAO Post-col OPA Der		124.02	1	0.34000	0.00000	0.00000	1	0.34000	0.00000	0.00000
Cysteine/Cystine, PAO Pre-col AQC Der .		124.05	1	0.37000	0.00000	0.00000	1	0.37000	0.00000	0.00000
Method Group 124.XX PCT			11	0.37247	0.03033	0.00381	11	0.37247	0.03033	0.00381
Glutamic, Post-col Ninhydrin Der .....	994.12	125.00	12	4.08678	0.10420	0.05986	11	4.09285	0.10137	0.04530
Glutamic, Pre-col AQC Der .....		125.05	1	4.14500	0.23335	0.33000	1	4.14500	0.23335	0.33000
Method Group 125.XX PCT			13	4.09126	0.11143	0.08064	12	4.09720	0.10939	0.06902
Glycine, Post-col Ninhydrin Der .....	994.12	126.00	12	0.94849	0.02390	0.01411	12	0.94849	0.02390	0.01411
Glycine, Pre-col AQC Der .....		126.05	1	0.96500	0.04950	0.07000	1	0.96500	0.04950	0.07000
Method Group 126.XX PCT			13	0.94976	0.02537	0.01841	13	0.94976	0.02537	0.01841
Histidine, Post-col Ninhydrin Der .....	994.12	127.00	12	0.57971	0.03924	0.01491	11	0.57469	0.03618	0.01172
Histidine, Pre-col AQC Der .....		127.05	1	0.59000	0.04243	0.06000	1	0.59000	0.04243	0.06000
Method Group 127.XX PCT			13	0.58050	0.03868	0.01838	12	0.57596	0.03595	0.01574
Isoleucine, Post-col Ninhydrin Der ....	994.12	128.00	12	0.71723	0.03893	0.01908	11	0.71834	0.03909	0.01445
Isoleucine, Pre-col AQC Der .....		128.05	1	0.76500	0.04950	0.07000	1	0.76500	0.04950	0.07000
Method Group 128.XX PCT			13	0.72090	0.04075	0.02300	12	0.72223	0.04093	0.01908
Leucine, Post-col Ninhydrin Der .....	994.12	129.00	12	1.35073	0.05775	0.02577	12	1.35073	0.05775	0.02577
Leucine, Pre-col AQC Der .....		129.05	1	1.36000	0.08485	0.12000	1	1.36000	0.08485	0.12000
Method Group 129.XX PCT			13	1.35145	0.05799	0.03302	13	1.35145	0.05799	0.03302
L-Lysine, Post-col Ninhydrin Der .....	994.12	130.00	13	0.98424	0.05619	0.01275	12	0.97418	0.04477	0.00964
L-Lysine, Pre-col AQC Der .....		130.05	2	1.02500	0.03416	0.05000	2	1.02500	0.03416	0.05000
Method Group 130.XX PCT			15	0.98968	0.05515	0.01771	14	0.98144	0.04653	0.01541
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	9	0.29676	0.01926	0.00852	8	0.29448	0.01845	0.00584
Methionine, PAO Post-col OPA Der .....		131.02	1	0.30000	0.00000	0.00000	1	0.30000	0.00000	0.00000
Methionine, PAO Pre-col AQC Der .....		131.05	2	0.31000	0.02000	0.02000	2	0.31000	0.02000	0.02000
Method Group 131.XX PCT			12	0.29924	0.01874	0.00973	11	0.29780	0.01837	0.00788
Phenylalanine, Post-col Ninhydrin Der .	994.12	132.00	12	1.05273	0.05057	0.02664	12	1.05273	0.05057	0.02664
Phenylalanine, Pre-col AQC Der .....		132.05	1	1.07500	0.06364	0.09000	1	1.07500	0.06364	0.09000
Method Group 132.XX PCT			13	1.05444	0.05051	0.03152	13	1.05444	0.05051	0.03152
Proline, Post-col Ninhydrin Der .....	994.12	133.00	11	0.99651	0.06224	0.02833	11	0.99651	0.06224	0.02833
Proline, Pre-col AQC Der .....		133.05	1	1.08000	0.05657	0.08000	1	1.08000	0.05657	0.08000
Method Group 133.XX PCT			12	1.00347	0.06505	0.03263	12	1.00347	0.06505	0.03263
Serine, Post-col Ninhydrin Der .....	994.12	134.00	12	0.91250	0.08793	0.02800	11	0.91727	0.08854	0.01964
Serine, Pre-col AQC Der .....		134.05	1	1.00000	0.07071	0.10000	1	1.00000	0.07071	0.10000
Method Group 134.XX PCT			13	0.91923	0.08877	0.03354	12	0.92417	0.08900	0.02633
Threonine, Post-col Ninhydrin Der .....	994.12	135.00	11	0.73513	0.03145	0.01361	11	0.73513	0.03145	0.01361
Threonine, Pre-col AQC Der .....		135.05	1	0.72500	0.02121	0.03000	1	0.72500	0.02121	0.03000

- Pass 1 Results for 202 Labs - - Pass 2 Results for 202 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 135.XX PCT			12	0.73429	0.03051	0.01498	12	0.73429	0.03051	0.01498
Tryptophan, Alka-Hydrol Post-col Ninhyd	988.15	136.00	3	0.29815	0.03717	0.03390	3	0.29815	0.03717	0.03390
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	4	0.30190	0.02079	0.00540	4	0.30190	0.02079	0.00540
Tryptophan, Misc .....		136.99	2	0.26250	0.01708	0.01500	2	0.26250	0.01708	0.01500
Method Group 136.XX PCT			9	0.29189	0.03000	0.01703	9	0.29189	0.03000	0.01703
Tyrosine, Post-col Ninhydrin Der .....	994.12	137.00	9	0.63192	0.06664	0.01341	8	0.63403	0.07005	0.00884
Tyrosine, Pre-col AQC Der .....		137.05	1	0.52500	0.02121	0.03000	1	0.52500	0.02121	0.03000
Method Group 137.XX PCT			10	0.62123	0.07128	0.01507	9	0.62192	0.07483	0.01119
Valine, Post-col Ninhydrin Der .....	994.12	138.00	12	0.97164	0.06852	0.03178	12	0.97164	0.06852	0.03178
Method Group 138.XX PCT			12	0.97164	0.06852	0.03178	12	0.97164	0.06852	0.03178
Taurine, Post-col Ninhydrin Der .....	994.12	139.00	1	0.06000	0.01414	0.02000	1	0.06000	0.01414	0.02000
Aflatoxin, Neogen Vera-Tox .....		300.01	1	4.80000	0.00000	0.00000	1	4.80000	0.00000	0.00000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
-- Method 000.01 --			-- Method 001.07 --			-- Method 001.99 --			-- Method 002.02 --			-- Method 002.05 --		
278	12.000	.00	662	8.4250	.93	665	10.000 S	3.07	613	34.575 S	3.69	Avg	32.153	
			199	8.4050	.87	305	9.4250	1.87	048	33.235	1.59	083	32.150	-.13
-- Method 000.02 --			571	8.3750	.76	619	9.2500	1.51	297	32.820	.94	350	32.100	-.16
673	2.6500	-.71	693	8.3595	.75	405	8.9600	.91	639	32.775	.87	722	32.085	-.18
			607	8.3733	.75	536	8.8400	.68	307	32.750	.85	177	32.100	-.19
-- Method 000.99 --			049	8.3200	.72	096	8.6500 R	.58	152	32.650	.67	354	32.105	-.23
265	10.770	.71	140	8.3500	.71	681	8.6400	.28	033	32.270	.10	623	31.994	-.42
			413	8.3000	.60	676	8.6400	.25	Avg	32.225		658	32.013	-.45
-- Method 001.00 --			639	8.3100	.54	Avg	8.5215		669	32.175	-.10	178	32.000	-.66
001	8.9000 X	1.54	098	8.3000	.53	672	8.3750	-.32	042	32.105	-.25	596	31.950	-.66
504	8.7350	1.19	675	8.2550	.38	357	8.2800	-.50	169	31.770	-.71	625	31.755	-1.10
720	8.5900	.78	345	8.1950	.24	656	8.2000	-.67	036	31.691	-.83	648	31.645	-1.37
Avg	8.2769		588	8.2000	.17	631	8.1950	-.68	043	31.305	-1.44	552	31.565	-1.55
169	8.1500	-.33	640	8.1700	.12	615	8.1800	-.74	187	31.155	-1.67	140	31.435	-1.89
509	8.1100	-.42	Avg	8.1511		719	7.9950	-1.11				651	21.267 s	-28.61
309	8.0950	-.46	616	8.1250	-.09	038	7.8000	-1.50	-- Method 002.03 --					
027	7.8550	-1.04	083	8.1250	-.12	541	7.5050 S	-2.48	686	32.545	.99	-- Method 002.06 --		
029	7.7800	-1.24	559	8.0750	-.34				536	32.475	.63	417	35.045 s	7.09
			353	8.0900	-.36	-- Method 002.00 --			Avg	32.369		527	34.475 s	5.40
-- Method 001.03 --			679	8.0500	-.38	015	32.760	1.40	265	32.300	-.66	645	34.250 s	4.73
567	8.4500	1.29	689	8.0000	-.51	199	32.200	.24	681	32.155	-1.30	520	33.795 s	3.56
663	8.3750	.35	015	8.0350	-.68	Avg	32.108					615	33.545 s	2.87
Avg	8.3475		177	7.9500	-.69	353	31.880	-.49	-- Method 002.04 --			541	33.575 A	2.80
686	8.3150	-.41	045	7.9200	-.78	679	31.590	-1.11	591	33.555	1.26	692	33.530	2.65
688	8.2500	-1.24	187	7.9200	-.78				509	33.050	.36	687	33.550	2.65
			669	7.9150	-.83	-- Method 002.01 --			405	33.020	.34	039	33.370	2.12
-- Method 001.05 --			648	7.9050	-.84	652	32.650	1.36	Avg	32.844		168	33.225 R	1.89
610	8.6100	.71	592	7.8600	-.98	043	32.570	1.20	504	32.645	-.35	032	33.215	1.71
			609	7.8500	-1.02	607	32.407	.90	596	31.950	-1.60	160	33.230	1.70
-- Method 001.07 --			004	7.8450 R	-1.34	666	32.065 R	.78	-- Method 002.05 --			003	33.170	1.52
074	14.645 s	21.82	278	7.7450	-1.37	672	32.050	.36	689	32.900	1.96	363	33.160	1.49
307	8.6400 R	1.81	297	7.7200	-1.48	Avg	31.928		028	32.585	1.14	037	33.090	1.30
178	8.5500	1.43	366	7.6000	-1.88	653	31.925	-.03	305	32.525	1.09	626	33.055	1.26
048	8.5400	1.31	591	7.2400	-3.06	723	31.770	-.30	620	32.563	1.08	185	33.080	1.25
550	8.4950	1.18				656	31.500	-.82	633	32.544	1.03	682	33.070	1.22
581	8.5000	1.18	-- Method 001.08 --			714	31.299	-1.21	621	32.510	.94	425	33.060	1.19
414	8.4450	1.13	590	8.9250	.81	685	31.185	-1.43	663	32.390	.67	175	33.050	1.17
142	8.4700	1.07	Avg	8.2425		662	5.0664 s	-50.36	622	32.300	.39	002	33.025	1.12
089	8.4300	.94	560	7.5600	-.92							074	32.990	.98

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

## Laboratory Averages &amp; 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 002.10	--	--	Method 003.00	--
559	32.665 R	.91	510	32.700	.12	588	32.390	-.88	655	34.635 s	5.95	655	2.6600	1.05
017	32.880	.86	138	32.670	.09	108	32.370	-.90	629	32.515	1.39	354	2.6150	.86
357	32.940	.85	106	32.675	.09	693	32.400	-.90	546	32.250	.74	596	2.6000	.80
049	32.940	.84	Avg	32.660		233	32.360	-.92	596	31.950	.34	106	2.5850	.74
159	32.936	.82	300	32.640	-.07	684	32.375	-.93	675	31.970	.13	142	2.5000	.56
529	32.930	.81	021	32.655	-.08	119	32.340	-.96	688	31.950	.13	017	2.5000	.38
019	32.875	.80	354	32.615	-.14	242	32.345	-.98	Avg	31.917		039	2.4245	.29
171	32.900	.77	045	32.650	-.15	011	32.515 R	-1.06	619	31.750	-.38	307	2.4500	.27
027	32.705	.77	589	32.635	-.15	142	32.250	-1.23	631	31.035	-1.93	Avg	2.4095	
013	32.895	.75	226	32.600	-.18	208	32.250	-1.23	--	Method 002.11	--	015	2.4000	-.04
709	32.870	.75	278	32.600	-.18	309	32.283	-1.27	640	38.230 S	12.73	048	2.3850	-.10
598	32.785	.74	720	32.605	-.23	121	32.230	-1.32	631	37.445 S	10.34	035	2.3350	-.32
035	32.885	.70	592	32.575	-.25	100	32.195	-1.38	665	37.170 S	9.47	179	2.3330	-.33
001	32.880 X	.69	345	32.585	-.26	358	32.110	-1.76	665	37.170 S	9.47	164	2.3300	-.33
366	32.880	.69	407	32.555	-.31	567	32.050	-1.87	588	36.590 S	7.71	175	2.3200	-.45
616	32.880	.66	725	32.600	-.35	505	32.025	-1.89	567	36.225 S	6.57	152	2.3000	-.46
065	32.875	.64	511	32.540	-.36	018	32.015	-1.94	178	35.900 S	5.57	300	2.3150	-.50
660	32.820	.63	610	32.550	-.36	550	32.038	-1.97	648	35.155 S	3.28	509	2.2600	-.63
573	32.815	.61	026	32.540	-.38	596	31.950	-2.16	011	35.150 S	3.26	187	2.2500	-.67
047	32.700	.61	010	32.540	-.41	619	31.900	-2.28	713	35.115 S	3.17	033	2.2250	-.77
190	32.850	.59	672	32.650	-.45	539	31.800	-2.57	724	35.020 S	2.86	026	2.1550	-1.08
291	32.830	.56	646	32.525	-.46	294	31.685 A	-2.94	672	34.665 S	1.87	032	2.2500 R	-1.24
098	32.830	.56	574	32.655	-.46	004	31.710 s	-3.25	Avg	34.090		615	2.1050	-1.28
006	32.730	.52	298	32.490	-.51	144	31.420 s	-3.69	613	34.090	-.71	527	2.0950	-1.32
038	32.815	.51	096	32.555	-.53	179	31.250 s	-4.19	297	30.440 S	-11.22	616	2.0550	-1.48
413	32.800	.51	590	32.515	-.53	--	Method 002.08	--	032	29.970 s	-12.67	265	2.0400	-1.61
670	32.830	.50	029	32.490	-.54	291	32.555	1.35	--	Method 002.99	--	049	2.0300 R	-1.76
148	32.815	.46	199	32.480	-.54	208	32.400	.93	719	33.415	.97	--	Method 003.01	--
647	32.815	.46	571	32.483	-.55	062	32.313	.70	640	33.420	.91	504	2.4500	.71
122	32.685	.44	414	32.625	-.56	536	32.100	.19	Avg	32.801		--	Method 003.04	--
650	32.775	.39	504	32.485	-.58	Avg	32.047		676	32.335	-.69	681	2.1800	.71
033	32.790	.39	051	32.450	-.63	563	32.015	-.11	643	32.035	-1.13	--	Method 003.06	--
554	32.665	.34	609	32.490	-.64	414	31.970	-.22	--	Method 003.00	--	689	2.9500 s	4.04
036	32.775	.34	673	32.450	-.64	610	31.850 R	-.84	563	2.9370	2.21	658	2.6218	2.28
009	32.690	.25	512	32.500	-.67	160	31.630	-1.11	190	2.8400	1.80	074	2.5600	1.95
014	32.674	.23	674	32.465	-.72	309	31.394	-1.73	353	2.7450	1.47	640	2.4100 R	1.31
205	32.735	.23	353	32.420	-.74	--			309	2.7053	1.35	--		
034	32.705	.13	042	32.415	-.75	--			--			--		
089	32.700	.12	229	32.410	-.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 003.06	--	--	Method 003.09	--	--	Method 003.10	--	--	Method 003.11	--	--	Method 003.99	--
122	2.4250	1.24	358	2.4250	.70	672	2.1000	.44	567	1.8500	-.72	631	2.4450	.37
688	2.4000	1.08	633	2.4191	.65	366	2.1050	.29	588	1.7650	-.92	Avg	2.3925	
625	2.3900	1.06	685	2.4100	.62	045	2.1250	.20				047	2.3750	-.06
407	2.3350	.79	004	2.4000	.54	160	2.1250	.15	--	Method 003.12	--	676	2.3850	-.12
588	2.3300	.74	590	2.3700	.40	034	2.1050	.05	357	2.3500	1.01	719	1.8550	-1.83
294	2.3200	.66	673	2.3500	.38	178	2.1000	.02	646	2.3500	.97			
709	2.2300 R	.61	226	2.3500	.38	Avg	2.0945		021	2.2800	.40	--	Method 004.00	--
581	2.3100	.60	350	2.3333	.15	062	2.0660	-.13	Avg	2.2450		345	9.9250	2.42
684	2.2900	.50	Avg	2.3090		345	2.0500	-.29	414	2.2100	-.46	265	9.6350	1.97
511	2.2550	.43	354	2.3050	-.04	693	2.0350	-.30	670	2.2100	-.92	159	9.1565	1.25
621	2.2100	.33	675	2.2750	-.20	573	2.0200	-.33	171	2.0700	-1.52	015	9.0500	1.11
567	2.2000	.01	001	2.2800	-.25	629	2.0100	-.39				511	9.0500	1.11
Avg	2.1976		098	2.2550	-.35	233	1.9900	-.47	--	Method 003.13	--	208	8.7300 R	.85
552	2.1500	-.25	029	2.2500	-.35	609	1.9850	-.48	028	2.2750	.95	164	8.8500	.82
199	2.1400	-.31	121	2.2500	-.42	089	1.9800	-.50	205	2.1740	.33	309	8.7434	.71
229	2.1500	-.33	510	2.2500	-.46	242	1.9350	-.70	Avg	2.1447		647	8.6965	.65
148	2.1050	-.50	413	2.2000	-.65	363	1.9300	-.72	660	1.9850	-1.22	169	8.7350	.61
169	2.1050	-.53	038	2.2050	-.70	098	1.9250	-.76				559	8.7350	.61
009	2.0950	-.55	505	2.2200	-.75	619	1.9300	-.77	--	Method 003.14	--	354	8.6300	.45
297	2.1500	-.59	653	2.1750	-.81	119	1.9150	-.79	042	4.9550 s	17.97	199	8.6050	.41
425	2.0750	-.66	263	2.1339	-1.04	298	1.9000	-.85	529	2.4150	1.67	190	8.3850	.15
669	2.0700	-.68	013	2.1500	-1.08	520	1.8200	-1.20	019	2.3000 R	1.43	298	8.3400	.02
574	2.0600	-.74	027	2.1300	-1.09	144	1.8200	-1.21	185	2.3650	1.38	Avg	8.3319	
613	2.0550	-.77	674	2.1100	-1.18	596	1.8000	-1.29	414	2.2950	1.02	009	8.2750	-.09
159	2.0350	-.87	305	1.9350	-2.21	108	1.8250 R	-1.39	598	2.2000	.34	042	8.2650	-.10
647	1.9100	-1.55				042	1.7600	-1.47	Avg	2.1555		563	8.2350	-.15
682	1.9000	-1.59	--	Method 003.10	--				021	2.1000	-.38	509	8.2100	-.18
559	1.8850	-1.72	639	3.4200 s	5.83	--	Method 003.11	--	550	2.0850	-.57	175	8.0700	-.42
			623	2.6509 R	2.59	665	3.0600	2.22	686	2.0500	-.68	425	8.0500	-.43
--	Method 003.07	--	651	2.6655	2.51	631	2.9550	1.97	278	2.0500	-.75	171	7.9050	-.67
185	2.1150	-.71	720	2.6300	2.38	297	2.2150	.17	144	2.0250	-.87	596	7.8500	-.76
			208	2.4050 R	2.07	Avg	2.1433		175	1.9700	-1.20	510	7.8000	-.80
--	Method 003.09	--	591	2.4750	1.69	613	2.0550	-.22				353	7.7400	-.91
714	2.6160 s	3.81	051	2.4350	1.49	178	2.0500	-.26	--	Method 003.99	--	666	7.7050	-.95
651	2.7875	2.83	648	2.3950	1.32	672	2.0350	-.27	536	3.9800 S	5.47	226	7.7000	-.97
620	2.5637	1.54	291	2.2900	.86	713	1.9750	-.41	652	3.6000 S	4.10	504	7.6150	-1.11
140	2.5150	1.26	100	2.2600	.75	724	1.9700	-.42	417	3.1450 S	2.71	034	7.4650	-1.31
723	2.4900	1.07	679	2.2200	.57	648	1.9200	-.54	546	2.7450	1.20	039	7.4355	-1.35
656	2.4250	.85	607	2.2179	.54	032	1.8700 X	-.66	725	2.5500	.74	048	7.1000	-1.86

\* 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 004.01 --			-- Method 004.06 --			-- Method 004.07 --			-- Method 004.99 --			-- Method 005.00 --		
366	10.645	.88	205	8.1950	-.68	035	8.6800	-.67	719	6.5150	-1.60	414	21.495	.44
Avg	10.035		610	8.2000	-.70	013	8.5950	-.72				205	21.445	.43
693	9.4250	-.85	656	8.1200	-.83	300	8.5600	-.74	-- Method 005.00 --			098	21.480	.41
			722	8.0070	-1.06	520	8.1150	-1.01	527	22.590	2.70	307	21.475	.40
-- Method 004.03 --			688	8.0000	-1.07	643	8.0700	-1.04	660	22.525	2.56	689	21.475	.40
045	9.4600	1.29	670	7.8950	-1.29	505	8.0600	-1.05	693	22.220	1.95	709	21.470	.38
Avg	8.7567		591	7.5700	-1.96	646	7.9250	-1.13	720	22.195	1.90	669	21.410	.35
619	8.4250	-.61				160	7.8950	-1.15	226	22.000	1.53	004	21.330	.30
679	8.3850	-.68	-- Method 004.07 --			278	7.8500	-1.18	159	21.943	1.38	686	21.325	.29
			242	17.340 S	4.72	413	7.8500	-1.19	358	21.825	1.19	187	21.390	.27
-- Method 004.06 --			144	15.170 S	3.36	686	7.7400	-1.25	647	21.845	1.18	675	21.405	.25
609	12.690 S	8.55	042	14.455 S	2.92	674	8.0550 R	-1.26	363	21.845	1.16	229	21.400	.24
178	10.650 S	4.96	294	13.265 S	2.18	307	7.6000	-1.34	520	21.845	1.16	567	21.400	.24
655	10.420 S	4.01	581	13.145 S	2.11	003	7.2850	-1.53	407	21.840	1.15	688	21.400	.24
098	9.9050	2.83	011	12.255	1.55				639	21.780	1.03	242	21.375	.22
675	9.5500	2.16	682	12.200	1.52	-- Method 004.11 --			592	21.770	1.02	034	21.360	.21
552	9.2150	1.42	026	12.180	1.51	567	10.300	1.95	629	21.745	1.00	291	21.330	.21
588	9.0750	1.19	709	11.485 R	1.16	631	9.9250	1.14	723	21.745	.95	596	21.350	.17
354	9.0700	1.14	407	11.485	1.08	665	9.7300	.71	504	21.395 R	.95	305	21.295	.16
607	8.8107	.70	004	11.415	1.04	672	9.6450	.57	552	21.725	.92	505	21.350	.14
673	8.7500	.56	089	11.250	.93	640	9.5650	.49	179	21.723	.91	591	21.290	.06
625	8.7700	.52	019	10.890	.71	724	9.4150	.25	529	21.700	.88	171	21.295	.06
613	8.6800	.38	229	10.790	.65	Avg	9.3992		613	21.490 R	.87	089	21.305	.04
720	8.6050	.36	639	10.440	.45	648	9.2900	-.23	643	21.705	.87	Avg	21.284	
140	8.5450	.22	185	10.415	.43	713	9.2300	-.38	294	21.695	.85	651	21.267	-.07
723	8.6250	.21	096	10.270	.35	178	9.2000	-.48	672	21.600	.77	265	21.275	-.07
620	8.6246	.21	708	9.9300	.30	588	9.0200	-.81	559	21.610	.77	035	21.240	-.09
038	8.5350	.02	028	10.000	.29	032	8.7900 X	-1.33	152	21.620	.69	563	21.223	-.13
Avg	8.5239		592	10.195	.28	613	8.6800	-1.56	300	21.605	.66	656	21.215	-.15
621	8.5100	-.05	291	10.120	.25	011	4.9000 S	-9.66	185	21.580	.61	653	21.210	-.15
653	8.5050	-.22	032	9.9500	.25				679	21.575	.60	083	21.275	-.16
027	8.4250	-.28	033	10.030	.18	-- Method 004.99 --			021	21.550	.60	366	21.260	-.19
633	8.2971	-.50	Avg	9.5592		598	25.280 S	16.85	045	21.550	.56	164	21.185	-.21
590	8.4000	-.50	021	9.7400	-.09	648	9.7950	1.63	510	21.530	.51	001	21.150	-.30
554	8.3350	-.50	631	9.4800	-.17	629	8.3500	.22	038	21.485	.51	297	21.150	-.30
689	8.3000	-.50	529	9.3400	-.25	676	8.2400	.16	722	21.527	.50	541	21.140	-.30
672	8.3000	-.50	414	9.2750	-.32	640	8.2150	.08	574	21.495	.45	621	21.135	-.32
350	8.2213	-.63	074	9.2550	-.32	Avg	8.1358		666	21.495	.45	033	21.130	-.32
685	8.2000	-.66	567	9.0000	-.47	536	7.7000	-.45	646	21.480	.45	354	21.135	-.32

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 005.00	--	--	Method 005.00	--	--	Method 005.99	--	--	Method 008.05	--	--	Method 009.04	--
121	21.175	-.33	417	20.020 R	-3.10	652	22.000	1.30	265	11.250	.71	504	22.610	.71
298	21.120	-.34	640	19.400 s	-4.23	719	21.400 R	1.01						
148	21.115	-.35	684	19.140 A	-4.43	725	21.850	1.01	--	Method 008.08	--	--	Method 009.07	--
144	21.105	-.37	100	19.030 A	-4.67	681	21.850	1.00	510	12.350	2.37	675	24.910	2.39
140	21.130	-.38	425	18.955 A	-4.81	676	21.495	.31	001	12.230 X	2.18	656	23.115	1.32
619	21.100	-.38	550	19.180 s	-4.84	673	21.450	.22	581	11.515	1.02	307	22.850	1.17
620	21.092	-.40	598	18.860 s	-5.07	648	21.450	.20	414	11.515	1.02	613	22.250	.80
588	21.080	-.43	169	18.750 A	-5.23	Avg	21.353		693	11.265	.66	684	21.700 R	.54
357	21.100	-.43	049	18.600 s	-5.55	536	21.285	-.15	278	11.250	.64	693	21.640	.46
623	21.133	-.45	670	18.425 s	-5.91	208	21.200	-.37	033	11.160	.49	297	21.380	.27
199	21.070	-.45	616	18.295 s	-6.18	663	21.060	-.59	049	11.140	.44	226	21.350	.26
350	21.057	-.47	029	18.220 s	-6.33	096	21.050	-.79	592	11.070	.31	164	21.300	.26
027	21.055	-.47	615	18.200 s	-6.40	122	20.195	-2.34	Avg	10.881		Avg	20.924	
590	21.050	-.49	573	18.070 s	-6.64				529	10.715	-.27	187	20.835	-.05
278	21.015	-.56	019	18.045 s	-6.69	--	Method 008.02	--	413	10.700	-.29	045	20.900	-.06
631	20.995	-.60	160	18.030 s	-6.72	527	31.035 s	30.63	646	10.705	-.30	038	20.285	-.40
108	21.045	-.68	650	17.875 s	-7.04	148	11.635	1.41	669	10.820	-.41	179	20.245	-.42
175	21.100 R	-.73	607	17.717 s	-7.37	226	11.600	1.35	686	10.585	-.51	663	20.190	-.44
625	21.045 R	-.80	119	16.675 s	-9.54	038	11.305	.93	185	10.555	-.54	353	19.850	-.65
548	20.895	-.81				354	11.240	.84	357	10.550	-.54	354	19.810	-.67
353	20.915	-.85	--	Method 005.02	--	187	11.120	.63	160	10.535	-.57	590	19.225	-1.03
178	20.900	-.89	610	21.300	.00	309	11.029	.50	294	10.510	-.61	098	18.320	-1.57
609	20.815	-.97				613	11.005	.48	674	10.475	-.66	309	18.183	-1.65
048	20.800	-1.02	--	Method 005.11	--	045	10.950	.44	032	10.450	-.70			
309	20.788	-1.03	588	25.340 S	3.04	504	10.830	.44	037	10.270	-1.03	--	Method 009.09	--
051	20.820 R	-1.12	648	23.605 S	1.44	098	10.920	.39	004	10.310 R	-1.14	265	27.200 s	11.77
658	20.653	-1.31	672	23.450	1.25	675	10.710	.18	725	10.100	-1.27	674	22.975 s	4.69
674	20.660	-1.35	724	22.720	.66	Avg	10.702		653	9.7900	-1.76	414	20.820	1.42
345	20.625	-1.37	640	22.290	.26	619	10.650	-.11				669	20.935	1.33
413	20.900 R	-1.47	Avg	21.908		179	10.585	-.18	--	Method 008.99	--	581	20.570	.84
633	20.562	-1.49	178	21.800	-.32	684	10.220	-.75	656	11.510	1.20	529	20.660	.81
062	20.561	-1.50	713	21.265	-.80	405	10.080	-.94	297	11.560	1.19	160	20.555	.64
622	20.450	-1.72	613	20.990	-1.07	590	9.9250	-1.20	Avg	11.017		037	20.310	.63
682	20.250	-2.14	297	20.840	-1.20	171	9.5600	-1.74	613	11.005	-.21	185	20.480	.52
015	20.245	-2.17	665	10.695 S	-10.75	353	9.2700	-2.17	164	10.900	-.34	592	20.470	.50
539	20.100	-2.45	631	10.215 S	-11.20				307	10.750	-.67	686	20.420	.47
142	20.000	-2.65							358	10.375	-1.43	510	20.250	.44
138	20.000	-2.65										294	20.315	.24
655	19.940	-2.79										357	20.200	.05

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
-- Method 009.09 --			-- Method 010.99 --			-- Method 011.01 --			-- Method 011.01 --			-- Method 012.03 --		
Avg 20.173			725 8.5000		-.17	682 9.6400		.46	701 8.9550		-1.20	297 6.8300		-.90
278 20.050		-.22	037 8.3650		-.29	620 9.6230		.44	625 8.9500 R		-1.33			
646 19.820		-.61	709 8.2400		-.45	511 9.6000		.37	660 8.8000		-1.61	-- Method 012.04 --		
049 19.670		-1.11	527 8.1350		-.58	354 9.6000		.36	592 8.7650		-1.67	051 9.6900		1.60
653 19.390		-1.33	613 8.0500		-.69	539 9.5050		.35	152 8.6500		-1.94	Avg 7.7900		
413 19.250		-1.72	652 8.0000 R		-.84	021 9.5300		.29	291 8.5500		-2.18	353 7.2150		-.49
725 18.950		-2.05	655 7.6800		-1.16	563 9.5650		.29	363 8.4250		-2.49	278 7.1000		-.58
			168 7.3900		-1.53	148 9.5600		.26	121 8.3150		-2.75	038 7.1550		-.60
						122 9.5500		.24	294 8.0550 s		-3.38			
-- Method 009.99 --			-- Method 011.01 --			520 9.5250		.18				-- Method 012.99 --		
613 22.250		1.09	108 11.095 s		4.00	505 9.5050		.17	-- Method 011.99 --			619 22.900 S		.00
619 20.500		.24	185 10.535		2.63	164 9.5050		.13	265 8.6600		.48			
Avg 20.440			646 10.355		2.19	Avg 9.4508			Avg 8.6475			-- Method 013.02 --		
643 18.570		-1.12	407 10.220		1.86	138 9.4250		-.09	684 8.6350		-1.12	100 4.1100		1.50
			623 10.105 R		1.70	144 9.4450		-.11				643 3.9300		1.10
-- Method 010.03 --			414 10.015		1.38	226 9.4000		-.12	-- Method 012.00 --			003 3.8700		.96
546 5.6850		-.71	651 9.9730		1.27	591 9.4000		-.13	672 9.6000		1.64	675 3.8450		.91
			670 9.9050		1.10	529 9.3850		-.16	178 9.3500		1.32	164 3.8350		.89
-- Method 010.11 --			622 9.8633		1.00	658 9.3859		-.17	548 8.9100		.85	033 3.6500		.48
032 11.380 X		2.25	062 9.8225		.91	541 9.3650		-.21	Avg 8.1222			051 3.5350		.24
631 10.320		1.31	596 9.8000		.85	119 9.3500		-.25	673 7.9000		-.40	616 3.5000		.17
640 9.5050		.59	208 9.7900		.82	723 9.3400		-.27	559 7.9000		-.40	Avg 3.4431		
567 9.0500		.19	358 9.4750 R		.81	510 9.4000		-.27	689 7.6500		-.51	354 3.3800		-.14
Avg 8.8386			722 9.7760		.79	309 9.3350		-.29	567 7.6000		-.56	026 3.3100		-.32
178 8.6500		-.17	160 9.7350		.69	298 9.2800		-.41	653 7.1200		-1.08	171 3.3000		-.37
724 8.5400		-.27	229 9.7300		.69	034 9.2700		-.44	354 7.0700		-1.13	065 3.2500		-.44
648 8.1300		-.63	051 9.6700 R		.67	598 9.2350		-.53				581 3.3400 R		-.47
613 8.1000		-.66	633 9.7271		.67	675 9.2050		-.61	-- Method 012.01 --			548 3.1900		-.57
588 8.0300		-.72	032 9.7250 X		.67	175 9.2000		-.61	185 7.5700		.93	208 3.2650 R		-.58
713 7.8750		-.86	350 9.7248		.66	242 9.1900		-.64	Avg 7.4475			229 3.0600		-.87
297 7.6450		-1.06	300 9.7100		.66	548 9.2025		-.65	686 7.3250		-.80	650 3.0350		-.93
			205 9.7095		.63	033 9.1350		-.77				414 2.2900		-2.60
-- Method 010.99 --			573 9.7000		.61	621 9.1200		-.80	-- Method 012.02 --					
574 10.060		1.88	171 9.6900		.59	100 9.1200		-.80	159 9.0450		.71	-- Method 013.10 --		
179 9.7875		1.53	233 9.6300		.58	559 9.1350 R		-.91				297 8.1000 s		10.06
714 9.2075		.79	653 9.6650		.53	552 9.0700		-.92	-- Method 012.03 --			185 3.7800		1.47
666 8.9150		.41	643 9.6500		.50	647 9.0000		-1.12	684 7.6700		1.26	656 3.7600		1.43
673 8.6000 R		.26	098 9.6350		.49	674 8.9950		-1.15	098 7.2500		.31	353 3.7100		1.33
417 8.7500		.20	650 9.6300		.48	159 8.9700		-1.16	Avg 7.2500			660 3.6500		1.26
Avg 8.5900														

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 013.10	--	--	Method 016.02	--	--	Method 019.00	--	--	Method 019.01	--	--	Method 019.05	--
714	3.2720	.55	154	0.2590	.71	623	5.0930	-1.83	511	5.4000	-.19	226	5.7500 R	1.59
177	3.2500	.41				633	4.1614 s	-6.40	263	5.3754	-.30	029	5.7550	1.48
672	3.2000	.37	--	Method 017.00	--				004	5.3700	-.34	291	5.7100	1.27
539	3.1700	.25	353	18.135 R	1.98	--	Method 019.01	--	588	5.3650	-.35	613	5.6950	1.26
Avg	3.0442		154	18.500	1.51	596	10.600 s	23.39	350	5.3584	-.41	414	5.6600	.99
062	2.9400	-.21	560	18.150	1.39	152	6.6000 s	5.25	014	5.2865	-.70	297	5.6350	.92
096	2.9100	-.30	613	16.300	.37	720	6.5150 s	5.11	631	5.3550 R	-.73	413	5.6450	.92
663	2.9000	-.34	049	15.835	.09	122	6.4450 s	4.55	354	5.2800	-.74	407	5.6300	.84
688	2.8500	-.40	Avg	15.754		278	5.9500 R	2.36	670	5.2700	-.78	074	5.5950	.74
160	2.7600	-.57	414	15.000	-.69	505	5.9100	2.12	140	5.2440	-.90	185	5.6000	.70
673	2.6000	-.91	294	14.430	-.73	709	5.8800	2.00	098	5.2350	-.93	003	5.5800	.65
610	2.5500	-1.03	045	14.100	-.92	178	5.8600	1.90	026	5.2250	-.98	598	5.5200	.53
666	2.6850 R	-1.03	345	13.715	-1.14	013	5.8250	1.75	169	5.2250	-.99	187	5.5450	.44
591	2.4200	-1.25				648	5.7850	1.60	142	5.1750	-1.21	171	5.5050	.25
554	2.0300	-2.02	--	Method 017.99	--	010	5.6750	1.07	591	5.1450	-1.41	148	5.4900	.17
			307	14.700	.00	307	5.6400	.92	034	5.1150	-1.48	Avg	5.4561	
--	Method 013.99	--				019	5.6400	.90	554	5.0600	-1.73	510	5.4500	-.06
676	4.1350	.85	--	Method 018.02	--	669	5.6220	.84	609	5.0050	-1.98	512	5.4365	-.15
Avg	3.7675		154	0.2435	1.20	687	5.6000	.72	653	4.9905	-2.07	294	5.4250	-.15
689	3.4000	-.88	Avg	0.2198		675	5.5800	.65	656	4.9900 R	-2.56	100	5.4200	-.34
			567	0.2150	-.34	205	5.5800	.65	108	4.9050 S	-2.94	265	5.4500	-.48
--	Method 015.00	--	011	0.2010	-.97	363	5.5700	.61	674	5.1050 s	-3.26	083	5.3500	-.52
520	220.50	1.77				001	5.5385	.46	548	3.8360 s	-7.27	049	5.4250	-.53
616	207.00	1.25	--	Method 019.00	--	036	5.5355	.43				164	5.3415	-.56
345	194.05	.68	043	5.7500	1.42	658	5.5335	.42	--	Method 019.03	--	011	5.3320	-.60
414	190.00	.51	679	5.6950	1.13	065	5.5100	.36	686	6.0550	2.00	144	5.3250	-.67
Avg	177.73		621	5.6700	1.00	035	5.5050	.29	613	5.6900	.35	229	5.3100	-.73
154	171.00	-.28	625	5.5450 R	.77	504	5.4725	.21	043	5.6400	.15	405	5.3000	-.76
164	170.00	-.32	646	5.6150	.74	612	5.4600	.12	Avg	5.6119		026	5.3050	-.76
045	169.00	-.38	689	5.5950	.64	620	5.4462	.09	307	5.5900	-.33	560	5.2900	-.82
011	160.94	-.71	622	5.5871	.60	208	5.4475	.06	033	5.5400	-.33	550	5.2795	-.85
021	152.55	-1.04	647	5.5500	.51	039	5.4535	.06	036	5.4135	-.89	610	5.2750	-.88
353	142.30	-1.47	Avg	5.4654		Avg	5.4413		048	5.3550	-1.16	298	5.2700	-.90
560	144.50 R	-1.50	722	5.4450	-.12	650	5.4300	-.05				701	5.2850	-.90
			651	5.3990	-.35	038	5.4300	-.07	--	Method 019.05	--	425	5.2200	-1.14
--	Method 016.00	--	681	5.3850	-.40	529	5.4300	-.07	520	5.9000	2.20	051	5.2050	-1.22
567	0.2300	1.02	620	5.3119	-.78	233	5.4300	-.10	159	5.8460	1.90	089	5.2050	-1.22
Avg	0.1695		552	5.2100	-1.25	619	5.4150	-.12	208	5.7950 R	1.80	358	5.2050	-1.23
619	0.1090	-.67	175	5.2100	-1.35	563	5.4133	-.13	300	5.7930	1.68	645	5.0375	-2.03

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 019.05	--	--	Method 019.09	--	--	Method 021.01	--	--	Method 022.01	--	--	Method 022.03	--
242	4.6600 s	-3.86	096	5.2000	-1.42	619	6.1900 S	5.69	689	24.000 R	2.00	560	21.100	.43
168	4.3250 s	-5.47	309	5.1430	-1.74	689	2.9000	.89	350	23.300	1.13	300	20.510	.39
682	4.2200 s	-5.97	572	4.6450 s	-4.45	140	2.8105	.79	038	23.000	1.08	407	21.000	.37
685	3.4450 s	-9.72				Avg	2.2964		505	23.000	.98	291	20.000	.37
			--	Method 019.99	--	164	2.1500	-.23	208	22.000	.52	701	20.050	.35
--	Method 019.08	--	676	5.5255	.98	208	1.3250	-1.42	175	21.000	.47	187	20.710	.27
723	5.7000	1.34	121	5.4650	.75				619	21.050	.40	414	20.150	.18
689	5.6550	1.14	725	5.3000	.11	--	Method 021.02	--	504	21.500	.37	413	20.050	.09
Avg	5.4043		Avg	5.2721		616	2.8350	1.29	363	21.190	.15	Avg	19.986	
607	5.3760	-.17	692	5.2450	-.11	029	2.7500	1.12	178	21.000	.06	148	19.850	-.05
673	5.3000	-.47	629	5.2550 R	-.30	011	2.7468	1.10	Avg	20.880		029	19.695	-.12
138	5.2950	-.51	588	4.8250	-1.72	510	2.7250	1.05	675	20.645	-.14	405	19.500	-.26
590	5.1000	-1.37	665	3.0650 S	-8.50	021	2.7000	1.02	098	20.500	-.29	358	19.275	-.27
						171	2.5000	.62	588	20.500	-.29	510	18.700	-.48
--	Method 019.09	--	--	Method 020.00	--	154	2.5000	.58	354	20.155	-.51	610	18.600	-.52
042	6.4200 s	5.18	208	7.2400	1.12	345	2.3550	.41	278	19.800	-.52	229	18.500	-.58
045	5.8600	2.15	Avg	6.6950		186	2.2500	.32	620	19.625	-.59	226	18.500	-.58
047	5.7085 R	1.69	164	6.1500	-.49	106	2.3500	.28	656	19.695	-.73	164	18.300	-.74
186	5.6892 R	1.62				Avg	2.2251		720	19.850	-.75	100	17.000	-1.10
199	5.7420	1.51	--	Method 020.01	--	366	2.1500	-.19	653	19.269	-.75	297	17.000	-1.16
616	5.5250	1.00	021	9.0500	1.49	572	2.1100	-.27	590	18.965	-.89	026	15.350	-1.70
160	5.6310	.91	567	7.6500	.90	045	2.0050	-.50	596	18.500	-1.12	011	15.178	-1.85
027	5.5550	.84	154	7.7500	.64	038	1.9000	-.69	591	17.950	-1.40	185	14.500	-2.02
037	5.6050	.82	096	7.5000	.57	560	1.9050	-.73	529	17.450	-1.59	598	0.4050 s	-7.18
353	5.6000	.81	045	7.5550	.52	567	1.5000	-1.59	035	8.0000 s	-5.96			
032	5.5500	.64	Avg	6.6880		668	1.4000	-1.74				--	Method 022.05	--
366	5.5650	.55	171	6.2500	-.30	169	1.3700	-1.80	--	Method 022.03	--	616	24.000 s	3.93
668	5.5550	.50	011	5.3968	-.79				003	161.00 s	59.12	366	22.500	1.47
017	5.4850	.12	560	5.2000	-.91	--	Method 021.99	--	265	42.500 s	8.31	042	21.900	1.46
Avg	5.4635		668	3.8400	-1.71	607	3.0549	.63	159	27.260	2.67	186	22.600	1.31
021	5.4350	-.15				610	3.0000	.57	049	23.380	1.40	017	21.500	1.06
693	5.4520	-.42	--	Method 020.99	--	Avg	2.5183		550	23.105 R	1.39	668	21.900	.99
035	5.3950	-.44	616	7.0050	.87	017	1.5000	-1.33	242	23.500	1.30	106	22.050	.99
357	5.3500	-.62	Avg	6.3600					144	22.650	1.01	294	22.060	.97
567	5.3550	-.66	675	5.7150	-.87	--	Method 022.01	--	520	22.500	.94	154	21.850	.95
154	5.3336	-.71				013	401.50 s	176.04	083	22.000	.83	190	21.705	.78
345	5.3250	-.77				307	26.500 R	2.85	613	21.250	.79	169	21.700	.78
106	5.3100	-.84				548	26.125	2.43	208	22.000	.74	199	20.630	.21
190	5.2250	-1.30				140	25.040	2.03	171	21.500	.59	Avg	20.293	

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 022.05	--	--	Method 025.01	--	--	Method 025.03	--	--	Method 025.05	--	--	Method 027.01	--
021	19.850	-.28	689	456.00	-.21	265	417.00	-.33	190	335.66	-1.40	350	0.3978	-.39
353	20.060	-.44	098	456.50	-.30	300	413.15	-.39	353	333.25	-1.49	619	0.3945	-.56
037	19.425	-.49	669	452.12	-.33	413	413.50	-.42	035	302.00	-2.06	035	0.3950	-.58
160	19.250	-.59	588	453.00	-.34	598	409.50	-.51				142	0.3950	-.58
045	19.250	-.63	675	452.01	-.38	550	419.55 R	-.57	--	Method 025.99	--	307	0.3950 R	-.91
309	19.285	-.69	354	451.95	-.43	144	407.35	-.57	121	447.41	.74	722	0.3855	-1.00
038	18.450	-1.02	619	442.00	-.58	026	402.00	-.74	607	438.51	.52	591	0.3850	-1.05
096	18.500	-1.02	596	440.00	-.77	148	400.50	-.79	Avg	413.98		529	0.3800	-1.27
572	18.500	-1.08	529	433.50	-.82	610	398.25	-.85	692	411.50	-.92	609	0.3500	-2.77
345	18.280	-1.14	038	433.00	-.84	560	398.50	-.88	725	358.50	-1.36	548	0.1490 s	-12.85
357	18.000	-1.26	307	431.00	-.92	297	393.50	-1.00						
035	19.500 R	-1.44	014	420.50	-1.18	226	389.00	-1.14	--	Method 026.00	--	--	Method 027.03	--
567	17.500	-1.56	505	427.50 R	-1.30	405	370.50	-1.72	567	0.2150	1.17	003	0.4900 s	4.59
			670	375.41	-2.40	242	362.50	-1.96	Avg	0.2115		613	0.4850 s	4.34
--	Method 022.99	--	035	296.50 s	-4.56	407	38.000 s	-11.94	154	0.2080	-.35	208	0.4445 R	2.43
722	24.061	1.44	591	289.00 s	-4.77							520	0.4300	1.66
607	21.194	.20				--	Method 025.05	--	--	Method 026.99	--	425	0.4300	1.58
Avg	20.756		--	Method 025.03	--	572	653.00 s	4.87	619	0.0000	.00	265	0.4250	1.35
692	20.450	-.15	003	563.00 s	4.77	042	496.00	1.79				049	0.4200	1.19
725	20.750	-.33	083	547.50 s	3.75	366	477.50	1.39	--	Method 027.01	--	185	0.4175	.96
121	17.325	-1.51	208	514.00	2.71	199	461.95	1.07	596	0.5450 s	7.03	560	0.4165	.93
			159	484.66	1.81	021	458.50	1.00	720	0.5250 s	6.03	550	0.4145	.87
--	Method 023.01	--	074	474.50	1.50	106	451.00	.86	650	0.4479	2.15	011	0.4117	.71
619	0.0020	.00	100	458.50	1.00	045	440.50	.66	505	0.4300	1.23	300	0.4100	.70
			613	432.00 R	.79	567	439.00	.64	656	0.4250	1.01	164	0.4120	.68
--	Method 025.01	--	171	450.00	.76	037	432.65	.51	169	0.4250	1.01	171	0.4105	.60
208	544.00	2.20	029	450.00	.75	038	432.00	.49	278	0.4200	.89	100	0.4100	.58
548	532.13	1.88	520	446.50	.63	345	419.94	.36	098	0.4200	.89	187	0.4100	.58
674	493.50 R	1.47	291	440.00	.53	186	410.25	.21	504	0.4229	.88	159	0.4080	.48
175	504.00	1.12	512	441.90	.53	160	412.00	.18	038	0.4120	.33	567	0.4050	.41
720	502.00	1.07	164	441.00	.46	017	416.00	.17	588	0.4090	.21	297	0.4050	.41
504	492.50	.80	701	439.00	.41	Avg	407.29		014	0.4075	.20	026	0.4020	.35
278	483.50	.55	049	438.29	.41	096	405.00	-.11	208	0.4070	.09	229	0.4000	.08
656	481.26	.50	510	433.50	.23	309	381.35	-.52	263	0.4056	.03	051	0.4000	.08
350	480.60	.48	Avg	425.93		294	375.36	-.62	Avg	0.4054		029	0.3990	.03
563	477.79	.40	011	422.46	-.11	616	371.00	-.71	563	0.4051	-.14	Avg	0.3985	
648	469.85	.30	187	422.25	-.11	154	369.50	-.74	175	0.4050	-.25	407	0.3970	-.09
Avg	463.36		229	424.00	-.14	668	362.50 R	-1.00	675	0.4050	-.25	291	0.3953	-.17
004	456.00	-.20	414	422.00	-.27	169	340.00	-1.32	646	0.4000	-.27	610	0.3940	-.23

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 027.03	--	--	Method 027.99	--	--	Method 028.03	--	--	Method 028.05	--	--	Method 031.01	--
294	0.3950	-.30	725	0.4200	.87	003	647.50 s	15.89	294	420.35 s	4.15	609	1.2700 s	4.16
413	0.3950	-.30	Avg	0.4100		159	376.49	2.25	366	383.00	2.35	179	1.2615 s	3.93
148	0.3920	-.33	692	0.4000	-.87	208	370.00	1.95	042	364.50	1.73	656	1.2000	2.37
701	0.3925	-.61				074	353.00	1.17	567	364.50	1.59	629	1.1900	2.06
414	0.3900	-.66	--	Method 028.01	--	560	350.00	1.15	021	350.00	.77	669	1.1610	1.48
083	0.3850	-.72	548	530.65 s	19.12	613	340.00 R	1.04	106	349.00	.70	623	1.1636	1.38
405	0.3850	-.72	208	398.50	2.36	229	349.00	.98	353	339.85	.50	140	1.1630	1.36
144	0.3770	-1.08	505	372.50	1.33	520	347.00	.95	017	339.50	.40	607	1.1431 R	1.24
358	0.3750	-1.20	722	372.44	1.29	049	346.18	.87	357	337.00	.31	625	1.1500	1.13
226	0.3650	-1.70	013	370.00	1.25	297	343.50	.73	160	339.30	.30	689	1.1400	1.08
510	0.3650	-1.70	504	371.00	1.24	291	339.00	.54	045	339.50	.25	001	1.1525	1.07
598	0.3550	-2.19	278	366.50	1.06	265	330.00	.52	190	338.40	.19	363	1.1500	1.03
242	0.3500	-2.43	596	343.50 R	.96	083	337.50	.48	Avg	334.47		619	1.1400	.90
			648	357.70	.69	242	330.50	.46	186	329.35	-.30	036	1.1435	.88
--	Method 027.05	--	669	352.35	.52	100	337.00	.44	309	325.50	-.50	650	1.1450	.87
366	0.4600	2.42	038	351.00	.42	413	334.00	.29	572	322.50	-.58	572	1.1300	.70
106	0.4370	1.33	656	346.30	.41	187	330.91	.17	037	325.45	-.58	588	1.1355	.67
035	0.4350	1.25	175	343.00	.30	185	328.50	.17	345	320.97	-.68	233	1.1350	.62
037	0.4300	1.00	563	347.15	.27	Avg	327.72		616	320.00	-.82	675	1.1350	.62
572	0.4275	.89	620	347.19	.27	512	326.00	-.11	169	317.00	-.85	175	1.1350	.62
345	0.4200	.59	Avg	340.69		171	326.00	-.16	096	325.00	-.86	722	1.1315	.52
199	0.4184	.47	307	340.50	-.02	164	322.00	-.26	038	317.50	-.88	573	1.1310	.50
021	0.4155	.36	178	339.50	-.05	148	318.50	-.43	154	310.50	-1.20	626	1.1300	.47
Avg	0.4081		590	340.60	-.07	011	327.36	-.59	668	300.00	-1.68	613	1.1150	.40
186	0.4050	-.17	098	340.00	-.09	414	315.50	-.60				278	1.1250	.36
160	0.4025	-.26	354	339.40	-.14	300	315.20	-.62	--	Method 028.99	--	010	1.1200	.33
309	0.4011	-.35	004	334.00	-.28	610	314.00	-.63	725	347.30	.85	679	1.1200	.33
668	0.3970	-.52	689	333.50	-.29	598	315.00	-.65	607	342.63	.50	065	1.1210	.23
045	0.3955	-.58	511	330.00	-.44	026	312.00	-.73	121	343.05	.41	205	1.1200	.21
017	0.3950	-.64	646	334.00	-.56	029	311.65	-.74	Avg	337.99		354	1.1150	.15
357	0.3900	-.83	619	327.50	-.60	510	310.00	-.82	692	319.00	-1.53	026	1.1150	.15
042	0.3925	-.83	529	323.00	-.72	550	303.02	-1.23				563	1.1149	.14
616	0.3870	-.99	350	319.05	-.88	407	296.50	-1.45	--	Method 030.00	--	548	1.1170	.14
693	0.3905	-1.01	675	317.39	-.95	144	294.85	-1.54	307	0.0155	.71	Avg	1.1122	
154	0.3816	-1.22	014	318.50	-.95	405	277.00	-2.34				263	1.1112	-.06
096	0.3800	-1.28	140	308.99	-1.34	226	212.50 s	-5.32	--	Method 031.00	--	511	1.1100	-.06
353	0.3750 R	-1.66	588	298.50	-1.72				722	1.1750	.97	723	1.1110	-.11
			720	294.00 R	-2.00				Avg	1.1519		529	1.1050	-.23
			035	280.50	-2.45				620	1.1288	-.75	169	1.1050	-.23

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

## Laboratory Averages &amp; Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 031.01	--	--	Method 031.03	--	--	Method 031.05	--	--	Method 031.05	--	--	Method 032.01	--
709	1.1050	-.23	033	1.1550	1.00	100	1.1200	.19	242	1.0050	-2.15	350	1.2846	-.17
350	1.1049	-.24	047	1.1550	1.00	358	1.1200	.19	682	1.0000	-2.24	278	1.2850	-.18
098	1.1100	-.27	720	1.1500	.86	598	1.1200	.19	353	0.9750 S	-2.72	065	1.2815	-.22
647	1.1100	-.27	043	1.1400	.77	037	1.1250	.14				001	1.2750	-.35
039	1.0990	-.35	Avg	1.1057		Avg	1.1170		--	Method 031.06	--	529	1.2750	-.35
019	1.1000	-.41	036	1.0880	-.34	345	1.1150	-.12	686	1.5000 S	14.07	013	1.2750	-.43
648	1.1000	-.41	208	1.0875	-.38	187	1.1100	-.17	536	1.1350	.84	098	1.2850	-.47
687	1.1050	-.44	048	1.0500	-1.09	185	1.1115	-.18	Avg	1.1125		709	1.2650	-.52
034	1.0950	-.47	307	1.0200	-1.66	160	1.1135	-.19	138	1.0900	-.89	038	1.2650	-.58
178	1.0950	-.47				199	1.1090	-.19				505	1.2600	-.63
658	1.0925	-.52	--	Method 031.05	--	190	1.1100	-.26	--	Method 031.99	--	035	1.2550	-.74
670	1.0900	-.58	208	1.3135 s	3.66	159	1.1045	-.28	631	1.2700 S	3.49	609	1.2500	-.80
038	1.1000	-.62	613	1.2600 S	2.64	425	1.1050	-.28	676	1.1625	1.58	019	1.2600	-.81
674	1.0850	-.82	106	1.2400	2.27	309	1.1030	-.36	552	1.1200	.61	650	1.2850 R	-.82
152	1.0800	-.85	003	1.2250	1.98	144	1.1000	-.36	590	1.1100	.39	354	1.2150	-1.43
622	1.0728	-1.04	520	1.2000	1.51	668	1.1000	-.36	Avg	1.0888		142	1.2000	-1.67
621	1.0700	-1.11	610	1.2000	1.51	171	1.1000	-.36	725	1.0550	-.69	363	1.1500	-2.56
651	1.0690	-1.14	366	1.2000	1.51	298	1.1000	-.41	673	1.0550	-.90	674	1.1250 S	-3.11
653	1.0675	-1.18	616	1.1800	1.27	414	1.1000	-.41	692	1.0300	-1.09	548	0.4775 s	-14.58
646	1.0700	-1.36	291	1.1800	1.15	121	1.1100	-.41	588	0.9100 S	-3.32	039	0.2413 s	-18.74
035	1.0500	-1.72	300	1.1490 R	1.11	045	1.0950	-.47						
108	1.0800 R	-1.79	226	1.1500 R	1.10	294	1.0950	-.47	--	Method 032.01	--	--	Method 032.02	--
142	1.0450	-1.81	096	1.1500 R	1.10	413	1.1000	-.52	656	1.6100 s	5.70	669	1.3555	1.37
665	1.0150	-2.56	186	1.1758	1.08	038	1.0950	-.54	010	1.5000 s	4.08	588	1.3170	.69
596	1.0000	-2.95	042	1.1700	.97	297	1.0900	-.55	563	1.4090	2.06	629	1.2850	.29
633	0.9280 s	-4.84	032	1.1650	.86	089	1.0900	-.55	720	1.3950	1.80	504	1.2920	.28
122	0.9150 s	-5.19	027	1.1650	.86	148	1.0900	-.58	670	1.3700	1.36	665	1.2800	.18
			074	1.1650	.86	229	1.0900	-.58	612	1.3500	1.13	Avg	1.2781	
--	Method 031.02	--	021	1.1635	.85	051	1.0850	-.65	591	1.3550	1.12	014	1.2275	-1.22
043	1.1350	.77	560	1.1500	.80	017	1.0900	-.67	205	1.3500	1.02	169	1.1900	-1.56
505	1.1350	.77	685	1.1600	.76	645	1.0793	-.76	175	1.3250	.71	590	1.2000 R	-2.24
Avg	1.1299		701	1.1200 R	.75	265	1.0800	-.76	619	1.3300	.67	108	1.0600 S	-3.91
011	1.1294	-.15	512	1.1470	.57	083	1.0750	-.84	646	1.3150	.46			
004	1.1200	-1.51	029	1.1400	.54	357	1.0600	-1.11	208	1.3175	.42	--	Method 032.05	--
014	1.0750 s	-6.68	693	1.1450	.52	510	1.0500	-1.30	036	1.3135	.40	685	1.8450 s	9.70
			567	1.1350	.41	035	1.0500	-1.31	675	1.3050	.22	106	1.8000 s	8.88
			407	1.1400	.39	405	1.0300	-1.67	511	1.3050	.22	226	1.5000 s	3.85
			049	1.1300	.27	550	1.0485 R	-1.83	307	1.2950	.09	510	1.5250 S	3.85
			164	1.1300	.20	154	1.0067	-2.11	Avg	1.2939		613	1.4500 R	2.64

\* 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 032.05	--	--	Method 032.05	--	--	Method 033.00	--	--	Method 033.01	--	--	Method 033.05	--
003	1.4500	2.50	026	1.2920	-.44	309	3.6836	.55	559	3.6900	.41	613	3.7300	.87
265	1.4500	2.48	185	1.2900	-.45	693	3.6685	.53	175	3.6700	.36	Avg	3.4650	
051	1.4250	2.02	366	1.2900	-.48	622	3.6816	.52	354	3.6700	.36	171	3.2000	-.87
520	1.4000	1.56	160	1.2875	-.50	653	3.6550	.36	029	3.6850	.33			
550	1.3980	1.53	645	1.3062	-.53	675	3.6600	.35	229	3.6850	.33	--	Method 033.99	--
049	1.3800	1.32	229	1.2850	-.55	038	3.6600	.35	026	3.6750	.30	051	3.9900 R	2.35
572	1.3800	1.21	414	1.2900	-.58	689	3.6250	.29	510	3.6800	.23	552	3.6300	1.11
291	1.3750	1.20	560	1.2950	-.58	169	3.6350	.25	021	3.6700	.19	673	3.6000	1.01
567	1.3650	1.12	148	1.2850	-.71	Avg	3.6169		185	3.6700	.19	619	3.3500	.19
616	1.3550	.87	038	1.2900	-.71	366	3.6100	-.05	686	3.6700	.05	Avg	3.3994	
187	1.3600	.83	300	1.2760	-.73	567	3.6000	-.13	Avg	3.6671		723	3.2270	-.22
407	1.3600	.83	357	1.2700	-.83	511	3.5700	-.37	001	3.6550	-.23	681	3.1900	-.38
021	1.3540	.73	425	1.2600	-1.00	407	3.5600	-.45	199	3.6550	-.23	623	2.7621 S	-1.74
693	1.3335	.61	042	1.2550	-1.12	160	3.5550	-.53	100	3.6500	-.30	168	0.9875 s	-7.57
413	1.3250	.50	668	1.2500	-1.18	588	3.5200	-.78	590	3.6550	-.34			
037	1.3250	.50	512	1.2605 R	-1.27	034	3.4950	-.97	096	3.6550	-.34	--	Method 034.01	--
405	1.3300	.46	358	1.2400	-1.36	298	3.4700	-1.18	413	3.6350	-.63	038	2.1650	.76
083	1.3300	.46	154	1.2378	-1.42	685	3.4500 R	-1.42	307	3.6250	-.80	560	2.1200	.55
045	1.3350	.39	610	1.2500 R	-1.49	353	3.3600	-2.05	164	3.6000	-1.20	Avg	1.9783	
171	1.3350	.39	035	1.2300	-1.54	208	3.3300	-2.31	425	3.5950	-1.29	668	1.6500	-1.28
297	1.3350	.39	168	1.2250	-1.64	621	2.7800 s	-6.69	709	3.5900	-1.42			
242	1.3300	.34	309	1.2165	-1.86	596	2.4500 s	-9.33	011	3.5868	-1.43	--	Method 034.04	--
345	1.3300	.34	353	1.1900	-2.28	674	0.6200 s	-23.95	650	3.5650	-1.82	208	2.5450	1.60
027	1.3250	.33							633	3.5316	-2.42	610	2.3500	1.03
199	1.3155	.30	--	Method 032.99	--	--	Method 033.01	--	140	3.4050 s	-4.70	619	2.2700	.78
159	1.3245	.26	554	1.5650 S	3.34	226	4.0500 s	6.89	004	3.2050 s	-8.25	026	2.0850	.25
017	1.3200	.21	047	1.4050	1.23	106	3.9350 s	4.82	725	2.4500 s	-21.73	169	2.0800	.21
100	1.3150	.09	074	1.3800	.61	610	3.8000	2.40				Avg	2.0100	
Avg	1.3145		Avg	1.3450		019	3.7700 R	1.97	--	Method 033.03	--	572	1.9700	-.12
144	1.3100	-.08	725	1.3200	-.71	291	3.7400	1.31	265	4.9900 S	7.58	164	1.9400	-.22
121	1.3100	-.08	692	1.2750	-1.06	098	3.7400	1.31	529	4.7300 S	5.86	512	1.9875 R	-.27
164	1.3085	-.13	631	1.0850 S	-3.93	205	3.7250 R	1.21	505	4.0400	1.24	010	1.8200	-.57
029	1.3075	-.19				010	3.7250	1.04	159	3.8850	.20	171	1.6750	-1.01
294	1.3050	-.20	--	Method 033.00	--	035	3.7200	.96	Avg	3.8700		190	1.3650	-1.93
096	1.3000	-.27	045	3.8100	1.55	178	3.7000	.79	144	3.8650	-.64			
186	1.2983	-.30	625	3.7870	1.41	042	3.7105	.78	048	3.6900	-1.23	--	Method 034.05	--
011	1.2950	-.37	539	3.7750	1.29	278	3.7100	.77	598	0.8300 S	-20.56	021	5.6000 S	7.40
190	1.3100	-.37	504	3.7400	.99	242	3.7050	.68	190	0.4600 S	-23.07	047	2.5143	1.00
208	1.2915	-.42	512	3.7375	.97	039	3.6995	.58	122	0.4500 S	-23.13	567	2.3000	.58

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

## Laboratory Averages &amp; Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 034.05	--	--	Method 035.00	--	--	Method 035.03	--	--	Method 035.05	--	--	Method 036.03	--
154	2.2450	.49	650	1.3350 R	-.91	051	1.4350	.36	294	1.5300	1.27	160	0.7710	-.44
027	2.0850	.12	354	1.3200	-.99	572	1.4300	.32	504	1.4930	.97	265	0.7650	-.56
Avg	2.0390		653	1.2805	-1.47	407	1.4300	.29	590	1.4450	.50	045	0.7535	-.69
414	2.0000	-.08	363	1.1850	-2.66	083	1.4300	.29	160	1.4200	.25	353	0.7400	-.89
685	1.0900	-1.97	548	0.4365 s	-11.96	148	1.4200	.20	169	1.4150	.21	345	0.7350	-.97
						668	1.4100	.14	Avg	1.3926		187	0.7315	-1.00
						164	1.4120	.04	588	1.3680	-.27	294	0.7300	-1.02
--	Method 034.06	--	--	Method 035.01	--	Avg	1.4094		108	1.2450	-1.45	159	0.6405	-2.29
013	1.9250	.71	686	1.4550	1.17	229	1.4000	-.13	106	1.2250	-1.55	171	0.4075 s	-5.61
			138	1.4200	.76	610	1.3895	-.28	665	0.9650 S	-3.95	550	0.3320 s	-6.68
--	Method 034.99	--	647	1.4200	.38	414	1.3900	-.30						
096	2.0000	.00	Avg	1.4073		567	1.4000	-.31	--	Method 035.99	--	--	Method 036.04	--
			613	1.4000	-.17	701	1.4050	-.35	692	1.4450	.87	414	0.8400	1.24
--	Method 035.00	--	563	1.3414	-1.54	298	1.3800	-.43	Avg	1.4100		226	0.8050	.59
609	2.8000 s	17.39				144	1.4000	-.44	725	1.3750	-.87	Avg	0.7717	
648	2.2800 s	10.95	--	Method 035.03	--	011	1.3759	-.48	588	0.5300 S	-21.56	592	0.7269	-.80
656	1.6750 s	3.47	297	2.2200 s	11.25	186	1.3912	-.49				510	0.7150	-.99
122	1.6250	2.80	613	1.7750 s	5.09	366	1.3700	-.61	--	Method 036.00	--			
038	1.5450 R	1.86	003	1.5700	2.23	598	1.3650	-.65	297	0.7900	.07	--	Method 037.01	--
591	1.4950	1.20	560	1.5450	1.88	171	1.3600	-.70	Avg	0.7875		140	589.05 s	6.88
035	1.4800	1.01	208	1.5170	1.51	520	1.3550	-.78	307	0.7850	-1.22	653	487.53	2.87
709	1.4650	.82	021	1.5060	1.35	425	1.3450	-.90				720	470.00 R	2.29
720	1.4600	.75	037	1.4850	1.05	154	1.3379	-1.02	--	Method 036.03	--	722	464.14	1.94
208	1.4350	.45	038	1.4800	1.02	309	1.3350	-1.03	613	0.9550	2.18	208	462.00	1.83
098	1.4000	.37	199	1.4805	.99	693	1.3790 R	-1.05	169	0.9300	1.83	504	442.50 R	1.29
658	1.4185	.26	226	1.4500	.89	089	1.3200	-1.24	021	0.8835	1.17	656	436.00	.84
307	1.4150	.21	096	1.4500	.89	645	1.3179	-1.27	708	0.8595	.83	178	434.00	.73
263	1.4082	.11	353	1.4640	.86	035	1.2950	-1.59	106	0.8570	.79	648	433.45	.71
619	1.4000	.01	100	1.4700	.85	358	1.2950	-1.63	186	0.8509	.77	014	432.50	.67
142	1.4000	.01	291	1.4500	.70	185	1.2870	-1.70	154	0.8418	.67	354	425.75	.54
Avg	1.3993		159	1.4560	.65	405	1.2800	-1.82	616	0.8230	.37	619	416.00	.51
152	1.3950	-.08	510	1.4555	.64	300	1.3710 R	-1.87	300	0.8175	.36	038	425.50	.49
205	1.3900	-.17	049	1.4550	.64	042	1.3700 R	-2.02	366	0.8050	.09	669	425.87	.43
278	1.3950	-.19	345	1.4500	.63	242	1.2050	-2.84	Avg	0.8017		596	417.00	.28
670	1.3800	-.24	017	1.4500	.58	265	1.1400 s	-3.75	042	0.8005	-.18	675	419.70	.16
675	1.3850	-.26	187	1.4500	.56	682	1.1000 s	-4.29	560	0.7940	-.20	505	418.50	.15
175	1.3800	-.34	550	1.4380	.53				357	0.7850	-.25	590	416.15	.03
233	1.3650	-.43	616	1.4300	.51				038	0.7910	-.29	Avg	415.60	
687	1.3550	-.55	029	1.4350	.41				693	0.7790	-.42	307	409.00	-.27
529	1.3500	-.66	413	1.4350	.36									

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 037.01	--	--	Method 037.03	--	--	Method 037.05	--	--	Method 039.01	--	--	Method 061.02	--
278	412.95	-.36	291	385.00	.14	572	373.50	-.57	164	4.1500	-.71	036	189.00	-.65
563	406.49	-.36	Avg	382.70		045	373.50	-.59				027	182.59	-.72
548	413.26	-.39	414	378.50	-.20	616	362.50	-.81	--	Method 039.02	--	038	182.50	-.74
035	397.50	-.72	026	376.50	-.23	353	350.05	-1.28	021	7.3500 R	1.46	043	181.75	-.84
350	397.15	-.73	610	373.45	-.34	154	326.50	-1.79	154	7.4000	1.44	512	183.15	-.94
529	397.00	-.74	512	375.60	-.49	345	314.13	-2.12	567	6.6000	.82	001	172.45	-1.83
674	396.00	-.78	226	368.50	-.53				011	5.7113	.13			
689	395.50	-.80	407	367.50	-.55	--	Method 037.99	--	Avg	5.5444		--	Method 082.01	--
098	393.50	-.88	164	364.50	-.67	121	406.77	1.15	045	5.3400	-.16	019	0.0054	.71
588	390.00	-1.05	144	360.40	-.84	725	384.60	1.00	560	4.5250	-.80			
175	388.00	-1.10	185	358.50	-.88	Avg	380.05		668	3.6900	-1.44	--	Method 105.00	--
591	390.05	-1.11	300	351.80	-1.12	607	375.32	-.24				160	2.3600	-.71
511	385.00	-1.21	148	351.50	-1.13	692	353.50	-1.06	--	Method 040.00	--			
004	382.50	-1.32	358	347.42	-1.29				560	11.850	-.71	--	Method 106.00	--
620	49.042 s	-14.48	405	338.00	-1.63	--	Method 038.00	--				171	11.450	.74
			242	329.00	-1.95	159	9.7850 s	8.81	--	Method 041.00	--	Avg	10.870	
--	Method 037.03	--	168	313.50	-2.51	668	4.5050 R	2.44	021	2.5500	.72	033	10.290	-.98
003	973.50 s	24.43				045	5.0500	1.20	011	2.5190	.61			
208	461.50 s	3.12	--	Method 037.05	--	154	5.0000	1.20	154	2.3500	.31	--	Method 106.02	--
520	422.00	1.51	106	537.50 S	3.96	096	4.5000	.86	Avg	2.1860		616	22.545 s	4.67
598	422.50	1.46	035	519.50 S	3.47	011	4.6253	.72	560	1.3250	-1.58	675	21.885 s	4.38
074	417.50	1.33	038	439.00	1.52	021	4.7000	.69				567	13.840 s	3.93
049	417.44	1.33	042	445.50	1.46	208	4.7350	.67	--	Method 061.00	--	512	17.405	2.56
297	417.50	1.27	027	434.50	1.36	038	4.4000	.50	028	189.50	.93	208	13.550	1.04
265	408.00 R	1.26	096	420.00 R	1.33	Avg	4.3203		Avg	185.53		017	13.120 R	1.04
413	412.50	1.09	017	431.00	1.12	510	4.1000	-.36	043	181.55	-.79	169	12.250 R	.84
083	406.50	.86	366	433.00	1.12	169	4.0700	-.40				199	12.950	.80
100	401.00	.70	668	420.00	.78	414	4.0500	-.59	--	Method 061.02	--	021	12.350	.59
171	401.00	.67	309	398.70	.57	560	3.9450	-.71	039	211.34	2.40	003	12.100	.47
560	399.00	.64	357	397.50	.50	345	3.8300	-.80	009	199.89	1.16	034	11.315	.27
011	399.37	.61	021	403.00	.44	300	3.1590	-2.32	010	194.50	.75	619	11.500	.23
701	397.50	.60	199	402.10	.29	613	0.0450 s	-6.89	003	195.00	.63	Avg	10.920	
029	397.15	.52	567	397.50	.23				227	192.50	.52	560	10.750	-.12
229	394.00	.43	160	393.15	.07	--	Method 038.99	--	013	189.35	.47	670	10.165	-.30
187	394.38	.42	Avg	392.03		164	6.0000	.71	033	192.10	.32	028	10.040	-.35
550	390.73	.34	169	391.00	-.09				218	189.90	.20	227	9.8300	-.43
510	389.50	.32	037	380.65	-.34				Avg	189.19		004	9.5350	-.55
613	384.50	.31	294	377.72	-.40				017	187.00	-.26	038	9.6740	-.55
159	390.73	.29	186	380.10	-.53				035	184.00	-.56	096	9.0450	-.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	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 106.02	--	--	Method 120.00	--	--	Method 122.05	--	--	Method 125.05	--	--	Method 128.00	--
563	8.7007	-.88	662	0.8979	-.97	626	2.0100	.71	626	4.1450	.71	504	0.7950	2.06
160	5.8100	-2.02	652	0.9000	-1.01							676	0.7625	1.14
			684	0.8890	-1.15	--	Method 124.00	--	--	Method 126.00	--	571	0.7505	.83
--	Method 106.99	--	--	Method 120.05	--	675	0.5450 s	5.35	504	0.9900	1.93	644	0.7395	.55
029	9.2950	1.07	626	0.9500	.71	684	0.4215	1.43	160	0.9810	1.36	Avg	0.7183	
Avg	9.1650					662	0.4128	1.16	571	0.9615	.95	619	0.7090	-.24
676	9.0350	-.59	--	Method 121.00	--	160	0.3944	.59	227	0.9650	.72	652	0.7100	-.33
			504	2.0900	1.71	504	0.3900	.43	675	0.9550	.34	675	0.7050	-.36
--	Method 108.02	--	227	2.0800	1.46	571	0.3790	.21	Avg	0.9485		684	0.6890	-.76
560	12.650	1.38	676	2.0170	.65	Avg	0.3764		676	0.9430	-.24	350	0.6885	-.76
169	7.8750	.36	571	1.9850	.51	350	0.3610	-.50	350	0.9415	-.33	662	0.6827	-.96
Avg	6.2950		619	1.9950	.37	652	0.3600	-.52	619	0.9410	-.46	227	0.7050 R	-.96
208	2.6300	-.79	160	1.9682	.18	644	0.3490	-.87	644	0.9300	-.77	160	0.6701	-1.26
675	2.0250	-.92	Avg	1.9668		619	0.3195	-1.81	684	0.9260	-.96			
			662	1.9458	-.28	--	Method 124.02	--	662	0.9229	-1.08	--	Method 128.05	--
--	Method 109.02	--	350	1.9290	-.49	227	0.3400	.00	652	0.9250	-1.17	626	0.7650	.71
567	67.000 s	13.79	675	1.9350	-.52				--	Method 126.05	--	--	Method 129.00	--
563	15.637	1.54	684	1.8805	-1.12	--	Method 124.05	--	626	0.9650	-.71	504	1.4500	1.80
610	11.350 R	.53	644	1.9110	-1.16	610	0.3700	.00				675	1.4300	1.38
560	11.100	.46	652	1.8650	-1.55				--	Method 127.00	--	619	1.3900	.70
208	10.480	.32				--	Method 125.00	--	160	0.6473	2.01	227	1.3650	.36
096	10.000	.20	--	Method 121.05	--	504	4.2700	1.82	675	0.6350 R	1.80	662	1.3639	.26
Avg	9.1528		626	2.2250 S	.00	227	4.2350	1.40	676	0.6195	1.24	Avg	1.3507	
675	8.7800	-.09				160	4.2052	1.11	504	0.6050	.93	350	1.3360	-.26
199	8.7750	-.10	--	Method 122.00	--	662	4.1087	.20	227	0.5750	.14	644	1.3330	-.32
676	8.4500	-.17	504	2.1450 R	1.90	Avg	4.0928		Avg	0.5747		684	1.3265	-.44
619	0.0000	-2.17	227	2.1500	1.70	619	4.0800	-.41	644	0.5715	-.10	571	1.3500	-.52
			619	2.1250	1.37	676	4.0520	-.70	619	0.5675	-.20	652	1.3200	-.63
--	Method 120.00	--	160	2.0830	.67	675	4.0250	-.71	662	0.5633	-.33	676	1.3105	-.73
160	1.1596 s	6.94	644	2.0735	.52	684	4.0235	-.73	571	0.5600	-.41	160	1.2339	-2.02
227	0.9800	1.58	571	2.0550	.24	350	4.0180	-.74	652	0.5500	-.88			
504	0.9700	1.41	Avg	2.0400		571	4.0200	-.75	350	0.5335	-1.15	--	Method 129.05	--
675	0.9600	1.02	675	2.0300	-.22	644	3.9840	-1.07	684	0.5290	-1.27	626	1.3600	.71
676	0.9440	.53	652	2.0300	-.22	652	4.0200 R	-1.30						
Avg	0.9272		676	2.0065	-.52				--	Method 127.05	--	--	Method 130.00	--
619	0.9250	-.16	684	1.9775	-1.04				626	0.5900	-.71	504	1.1050 R	2.98
571	0.9265	-.37	662	1.9651	-1.16							675	1.0250	1.14
350	0.9105	-.60	350	1.9440	-1.48							160	1.0244	1.12
644	0.8960	-.94												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 130.00	--	--	Method 132.00	--	--	Method 134.00	--	--	Method 136.01	--	--	Method 138.00	--
676	1.0125	.86	160	1.1325	1.58	619	0.9395	.31	227	0.3350	1.61	684	0.8675	-1.52
038	1.0075	.76	504	1.1200	1.39	571	0.9330	.31	Avg	0.3019				
644	1.0015	.61	227	1.0900	.76	662	0.9420	.29	160	0.2931	-.42	--	Method 138.05	--
350	1.0000	.58	571	1.0650	.55	Avg	0.9173		644	0.2910	-.53	626	0.5250 S	.00
227	0.9750	.11	619	1.0750	.45	350	0.8970	-.24	571	0.2885	-.67			
Avg	0.9742		644	1.0605	.16	644	0.8935	-.27				--	Method 139.00	--
619	0.9620	-.28	Avg	1.0527		652	0.8600 R	-.94	--	Method 136.99	--	504	0.0600	.71
571	0.9565	-.41	676	1.0490	-.23	675	0.8300	-.99	610	0.2750	.79			
662	0.9193	-1.23	662	1.0363	-.35	676	0.7070	-2.38	Avg	0.2625		--	Method 300.01	--
652	0.9100	-1.45	350	1.0300	-.49				504	0.2500	-.94	615	4.8000	.00
684	0.8965	-1.74	684	1.0045	-.96	--	Method 134.05	--						
			675	1.0050	-1.07	626	1.0000	.71	--	Method 137.00	--			
			652	0.9650	-1.87				160	0.7669	1.91			
--	Method 130.05	--				--	Method 135.00	--	684	0.6760	.60			
610	1.0300	.33				504	0.7850	1.66	504	0.6650	.45			
Avg	1.0250		--	Method 132.05	--	227	0.7600	.79	644	0.6395	.08			
626	1.0200	-1.18	626	1.0750	-.71	160	0.7572	.70	Avg	0.6340				
						571	0.7395	.54	676	0.6260	-.13			
--	Method 131.00	--	--	Method 133.00	--	644	0.7500	.47	675	0.6150 R	-.45			
644	0.3220	1.49	619	1.0900	1.58	350	0.7420	.25	350	0.5905	-.62			
504	0.3150 R	1.38	160	1.0848	1.42	Avg	0.7351		227	0.5800	-.77			
350	0.3080	.73	227	1.0350	.74	684	0.7285	-.34	662	0.5284	-1.51			
684	0.3025	.56	644	1.0335	.61	662	0.7208	-.54				--	Method 137.05	--
571	0.2950	.38	504	1.0100	.27	619	0.7185	-.57	626	0.5250	.71			
160	0.2964	.12	Avg	0.9965		652	0.7200	-.58						
Avg	0.2945		684	0.9960	-.11	675	0.6650	-2.24				--	Method 138.00	--
662	0.2885	-.35	662	0.9603	-.58	676	0.6330 S	-3.26	619	1.0750	1.51			
652	0.2850	-.58	652	0.9650	-.65				676	1.0515	1.18			
619	0.2585	-1.95	676	0.9560	-.69	--	Method 135.05	--	504	1.0400	1.16			
			571	0.9360	-1.05	626	0.8250 S	5.17	571	1.0125	.65			
--	Method 131.02	--	675	0.8950	-1.63	610	0.7250	.71	675	0.9750	.37			
227	0.3000	.00				Avg	0.7250		662	0.9891	.26			
			--	Method 133.05	--				644	0.9750	.06			
--	Method 131.05	--	626	1.0800	.71	--	Method 136.00	--	Avg	0.9716				
626	0.3200	1.12				684	0.3225	.66	350	0.9415	-.45			
Avg	0.3100		--	Method 134.00	--	662	0.3015	.10	227	0.9450	-.76			
610	0.3000	-.50	160	1.0550	1.56	Avg	0.2982		160	0.8977	-1.08			
			227	0.9900	.85	038	0.2705	-1.43	652	0.8900	-1.27			
			504	0.9550	.43									
			684	0.9480	.38									

\* 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	0.0000	1.02	0.15	009.09	20	0.8221	2.91	0.42
001.03	4	0.0000	0.97	0.42	009.99	3	0.0000	1.10	0.14
001.07	42	0.5334	3.50	0.33	010.11	11	0.0000	1.02	0.06
001.08	2	0.0000	1.14	0.31	010.99	14	-0.0528	0.96	0.13
001.99	16	0.0765	1.32	0.37	011.01	76	0.0105	1.15	0.20
002.00	4	0.0000	1.08	0.07	011.99	2	0.0000	0.54	0.78
002.01	11	-4.5552	15.22	0.28	012.00	9	0.0000	1.00	0.22
002.02	13	0.2820	1.40	0.17	012.01	2	0.0000	1.06	0.43
002.03	4	0.0000	0.96	0.43	012.03	3	0.0000	0.88	0.56
002.04	5	0.0000	1.05	0.14	012.04	4	0.0000	1.07	0.14
002.05	22	-1.3006	6.18	0.22	013.02	18	-0.0352	0.96	0.17
002.06	124	0.1096	1.50	0.38	013.10	19	0.4921	2.51	0.24
002.08	9	-0.0579	0.98	0.24	013.99	2	0.0000	1.20	0.16
002.10	8	0.7426	2.30	0.25	015.00	11	-0.1251	1.05	0.21
002.11	14	3.0535	7.28	0.40	016.00	2	0.0000	0.95	0.55
002.99	4	0.0000	1.06	0.18	017.00	9	0.1451	1.02	0.56
003.00	30	-0.0751	1.00	0.31	018.02	3	0.0000	1.06	0.30
003.06	31	0.1722	1.20	0.25	019.00	16	-0.3755	1.86	0.24
003.09	30	0.0605	1.02	0.66	019.01	57	0.4679	3.59	0.57
003.10	37	0.2279	1.42	0.36	019.03	7	0.0000	1.02	0.18
003.11	12	0.0000	1.02	0.06	019.05	46	-0.4771	2.14	0.28
003.12	6	0.0000	0.92	0.46	019.08	6	0.0000	1.04	0.11
003.13	3	0.0000	1.06	0.28	019.09	26	0.1265	1.65	0.43
003.14	12	1.5745	5.25	0.39	019.99	7	-1.2241	3.32	0.11
003.99	9	1.3394	2.28	0.48	020.00	2	0.0000	0.69	0.72
004.00	31	0.0194	0.99	0.18	020.01	9	0.0000	0.98	0.31
004.01	2	0.0000	1.10	0.38	020.99	2	0.0000	1.22	0.06
004.03	3	0.0000	1.12	0.04	021.01	5	1.1389	2.71	0.14
004.06	34	0.4939	1.97	0.48	021.02	18	0.0000	1.00	0.19
004.07	43	0.2559	1.37	0.17	021.99	3	0.0000	1.04	0.34
004.11	13	-0.7432	2.85	0.18	022.01	28	6.2188	33.32	0.49
004.99	7	2.4072	6.44	0.14	022.03	35	1.5416	8.98	4.85
005.00	132	-0.8425	2.28	0.38	022.05	25	0.0642	0.97	0.83
005.11	11	-1.7198	4.74	0.18	022.99	5	0.0000	1.04	0.19
005.99	12	0.0079	0.96	0.34	025.01	28	-0.3387	1.55	0.32
008.02	19	1.6123	7.09	0.19	025.03	35	-0.1139	2.44	0.43
008.08	24	-0.0383	0.99	0.21	025.05	24	0.1636	1.38	0.25
008.99	6	0.0000	0.99	0.30	025.99	4	0.0000	0.85	0.58
009.07	19	0.0245	0.99	0.10	026.00	2	0.0000	0.17	0.86

## 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
027.01	28	-0.0136	3.17	0.34	038.00	16	0.1385	2.99	0.78
027.03	39	0.2880	1.41	0.27	039.02	7	0.2002	1.09	0.17
027.05	21	-0.0721	1.01	0.27	041.00	4	0.0000	1.07	0.15
027.99	2	0.0000	1.22	0.00	061.00	2	0.0000	1.12	0.35
028.01	33	0.1804	1.69	3.06	061.02	16	0.0000	0.96	0.32
028.03	35	0.2862	2.84	1.02	106.00	2	0.0000	0.95	0.54
028.05	23	0.1806	1.26	0.36	106.02	21	0.5469	1.60	0.88
028.99	4	0.0000	1.02	0.30	106.99	2	0.0000	0.65	0.73
031.00	2	0.0000	0.93	0.57	108.02	4	0.0000	1.07	0.10
031.01	65	-0.0305	1.47	0.37	109.02	10	1.4262	4.42	0.38
031.02	5	-1.1810	2.72	1.52	120.00	12	0.5777	2.20	0.34
031.03	8	0.0000	1.01	0.22	121.00	12	0.0000	0.91	0.44
031.05	69	0.0192	1.10	0.33	122.00	12	0.1350	1.07	0.34
031.06	3	4.6905	8.17	0.23	124.00	10	0.5345	1.95	0.11
031.99	8	0.0058	1.95	0.50	125.00	12	-0.0599	0.96	0.42
032.01	36	-0.7540	4.22	0.48	126.00	12	0.0000	0.93	0.40
032.02	9	-0.5804	1.55	0.71	127.00	12	0.1389	1.06	0.30
032.05	66	0.3957	1.97	0.39	128.00	12	-0.0284	0.95	0.35
032.99	6	-0.1005	2.39	0.47	129.00	12	0.0000	0.98	0.27
033.00	27	-1.5295	5.06	0.20	130.00	13	0.2248	1.27	0.19
033.01	40	-0.5038	4.10	0.34	130.05	2	0.0000	0.21	0.85
033.03	9	-5.9298	12.59	0.37	131.00	9	0.1236	1.01	0.34
033.05	2	0.0000	1.22	0.07	131.05	2	0.0000	0.71	0.71
033.99	8	-0.6601	3.04	0.20	132.00	12	0.0000	0.96	0.33
034.01	3	0.0000	1.11	0.13	133.00	11	0.0000	0.98	0.27
034.04	11	-0.0061	0.97	0.11	134.00	12	-0.0539	0.99	0.23
034.05	7	1.0565	2.95	0.15	135.00	12	-0.2706	1.33	0.28
035.00	30	0.6935	4.51	0.23	135.05	2	2.3570	3.33	1.58
035.01	5	0.0000	0.98	0.37	136.00	3	0.0000	0.70	0.71
035.03	59	0.1151	2.00	0.44	136.01	4	0.0000	1.07	0.15
035.05	9	-0.4386	1.62	0.21	136.99	2	0.0000	1.04	0.46
035.99	3	-7.1852	12.47	0.10	137.00	9	-0.0302	0.97	0.15
036.00	2	0.0000	0.10	0.86	138.00	12	0.0000	0.97	0.32
036.03	25	-0.4915	1.96	0.17					
036.04	4	0.0000	1.05	0.20					
037.01	34	-0.1299	2.96	0.30					
037.03	38	0.6628	3.62	1.93					
037.05	25	0.3272	1.36	0.40					
037.99	4	0.0000	0.87	0.55					