

Feed Check Sample No. - 200931 Infant Pig Starter, Medicated
 Association of American Feed Control Officials

- Pass 1 Results for 217 Labs - - Pass 2 Results for 217 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	0.65000	0.07071	0.10000	1	0.65000	0.07071	0.10000
Urea, Misc		000.99	1	1.04500	0.04950	0.07000	1	1.04500	0.04950	0.07000
Method Group 000.XX PCT			2	0.84750	0.23343	0.08500	2	0.84750	0.23343	0.08500
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	9	8.41944	0.43604	0.16111	9	8.41944	0.43604	0.16111
Loss on Drying, ISO 6496		001.03	6	8.39417	0.23933	0.06500	6	8.39417	0.23933	0.06500
Loss on Drying, LECO		001.05	1	8.12500	0.00707	0.01000	1	8.12500	0.00707	0.01000
Loss on Drying, 104 deg 3 hr, in malt .	935.29	001.07	38	8.44099	0.29550	0.11829	37	8.43399	0.28456	0.09446
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	1	8.51500	0.19092	0.27000	1	8.51500	0.19092	0.27000
Loss on Drying, Misc		001.99	19	8.59566	0.34832	0.09763	19	8.59566	0.34832	0.09763
Method Group 001.XX PCT			74	8.47101	0.32948	0.11446	73	8.46788	0.32538	0.10233
Protein, Crude	954.01	002.00	6	23.4600	0.28361	0.15667	6	23.4600	0.28361	0.15667
Protein, Auto Kjell-Foss	976.05	002.01	12	23.3063	0.30616	0.09358	12	23.3063	0.30616	0.09358
Protein, Semiauto Autoanalyzer	976.06	002.02	6	23.5236	0.23810	0.15355	5	23.4683	0.17003	0.06426
Protein, Hach Method		002.03	1	23.0950	0.12021	0.17000	1	23.0950	0.12021	0.17000
Protein, Copper Cat	984.13	002.04	3	23.3950	0.22197	0.15000	3	23.3950	0.22197	0.15000
Protein, Copper, Boric Acid		002.05	14	23.2895	0.47073	0.12634	14	23.2895	0.47073	0.12634
Protein, Combustion Nitrogen Analyzer	990.03	002.06	129	23.7085	0.31858	0.17388	122	23.7059	0.29604	0.14681
Protein, Cu/Ti	988.05	002.08	6	23.3923	0.25282	0.17262	6	23.3923	0.25282	0.17262
Protein, Block dig/distillation		002.10	12	23.3330	0.28373	0.13258	11	23.3096	0.27173	0.09373
Protein, NIR		002.11	5	23.6420	0.96851	0.24400	10	22.5740	1.32662	0.16400
Protein, Misc		002.99	4	23.6563	0.60380	0.11250	4	23.6563	0.60380	0.11250
Method Group 002.XX PCT			198	23.5984	0.39197	0.16213	189	23.5916	0.38249	0.13979
Fat, Eth Ext, Direct	920.39	003.00	23	4.25527	0.31688	0.08218	22	4.25551	0.32254	0.07228
Fat, Ind Eth Ext (13th ed), Indirect ..	920.39	003.01	1	3.69000	0.46669	0.66000	1	3.69000	0.46669	0.66000
Fat, Pet Ether		003.06	26	4.13654	0.28475	0.06923	25	4.15500	0.27351	0.06280
Fat, Soxtec, Eth Ext		003.09	25	4.17774	0.23375	0.09909	24	4.17225	0.22978	0.07968
Fat, Soxtec, Pet Ether		003.10	28	4.00350	0.12531	0.07071	27	4.00956	0.12126	0.06444
Fat, NIR		003.11	3	4.49833	0.44835	0.07000	3	4.49833	0.44835	0.07000
Fat, Hexane Ext.		003.12	5	4.13000	0.34264	0.10400	5	4.13000	0.34264	0.10400
Fat, Soxtec, Hexane Ext.		003.13	5	4.17910	0.18503	0.11940	5	4.17910	0.18503	0.11940
Fat, Ankom		003.14	17	3.97515	0.25318	0.12794	17	3.97515	0.25318	0.12794
Fat, Misc		003.99	11	4.27705	0.19211	0.10864	10	4.26425	0.18680	0.08050
Method Group 003.XX PCT			144	4.13415	0.27635	0.09378	139	4.13553	0.27371	0.08474
Fiber, Crude Asbestos Free	962.09	004.00	29	1.82712	0.25996	0.08738	28	1.83523	0.25814	0.07621
Fiber, Sing Filt		004.01	2	2.29500	0.23798	0.03000	2	2.29500	0.23798	0.03000
Fiber, Fritted Glass	978.10	004.03	3	2.19833	0.28632	0.09000	3	2.19833	0.28632	0.09000
Fiber, Fibertec		004.06	35	2.05116	0.26025	0.10955	32	2.04096	0.25451	0.08358
Fiber, ANKOM		004.07	41	1.79470	0.28376	0.11457	38	1.78586	0.25381	0.08256
Fiber, NIR		004.11	7	1.53214	0.59190	0.06714	7	1.53214	0.59190	0.06714

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Fiber, Misc		004.99	5	1.66300	0.35590	0.07800	5	1.66300	0.35590	0.07800
Method Group 004.XX PCT			122	1.87365	0.33691	0.10046	115	1.86769	0.32857	0.07944
Ash,	942.05	005.00	131	8.07978	0.13831	0.05243	122	8.08124	0.13145	0.03946
Ash, Sugars & Syrups	900.02	005.01	1	8.14000	0.08485	0.12000	1	8.14000	0.08485	0.12000
Ash, LECO		005.02	1	8.23000	0.01414	0.02000	1	8.23000	0.01414	0.02000
Ash, NIR		005.11	3	7.93333	0.30956	0.08667	3	7.93333	0.30956	0.08667
Ash, Misc		005.99	13	8.18996	0.15802	0.06238	13	8.18996	0.15802	0.06238
Method Group 005.XX PCT			149	8.08786	0.14886	0.05423	140	8.08965	0.14393	0.04304
Fiber, Acid Detergent	973.18	008.02	14	3.16786	0.23643	0.14714	14	3.16786	0.23643	0.14714
Fiber, Acid Detergent-Hach		008.05	1	3.50000	0.28284	0.40000	1	3.50000	0.28284	0.40000
Fiber, Acid Detergent by ANKOM		008.08	24	2.62943	0.51672	0.18918	23	2.58941	0.48386	0.16697
Fiber, Acid Detergent Misc		008.99	4	2.59000	0.34209	0.39000	4	2.59000	0.34209	0.39000
Method Group 008.XX PCT			43	2.82131	0.50219	0.19908	42	2.80396	0.49216	0.18715
Fiber, Neutral Det-No ENZ Pretreat		009.04	1	7.24500	0.13435	0.19000	1	7.24500	0.13435	0.19000
Fiber, Neutral Det-ENZ Pretreat		009.07	10	6.56400	0.82384	0.23000	10	6.56400	0.82384	0.23000
Fiber, Neutral Detergent by ANKOM		009.09	19	6.07626	0.91108	0.15347	18	6.11633	0.91767	0.13255
Fiber, Neutral Det Misc		009.99	3	6.95833	1.47052	0.55000	3	6.95833	1.47052	0.55000
Method Group 009.XX PCT			33	6.33966	0.97678	0.21382	32	6.37043	0.97490	0.20393
Moisture, Karl-Fischer	966.20	010.03	4	7.61375	1.41284	0.27750	4	7.61375	1.41284	0.27750
Moisture, NIR		010.11	12	7.87554	1.00004	0.13175	12	7.87554	1.00004	0.13175
Moisture, Misc		010.99	16	8.38850	0.81431	0.10075	15	8.28773	0.73194	0.07147
Method Group 010.XX PCT			32	8.09930	1.00234	0.13447	31	8.04121	0.96203	0.12139
Loss on Drying, 135 deg 2 hr	930.15	011.01	76	9.68107	0.43445	0.11765	72	9.71908	0.39767	0.10183
Method Group 011.XX PCT			76	9.68107	0.43445	0.11765	72	9.71908	0.39767	0.10183
Starch, Polarimetric (Ewers)		012.00	7	27.2193	2.60177	0.23286	6	27.7642	2.38280	0.08833
Starch, Megazyme		012.01	3	23.5817	1.05338	0.26333	3	23.5817	1.05338	0.26333
Starch, Enzymatic		012.03	2	23.6575	0.71909	0.85500	2	23.6575	0.71909	0.85500
Starch, YSI Analyzer		012.04	6	24.3875	2.96382	0.11833	6	24.3875	2.96382	0.11833
Starch, NIR		012.11	5	19.8250	4.64687	0.34200	5	19.8250	4.64687	0.34200
Starch, Misc.		012.99	1	36.6800	1.42836	2.02000	1	36.6800	1.42836	2.02000
Method Group 012.XX PCT			24	24.6135	4.64557	0.35708	23	24.6424	4.74412	0.32478
Fat, Mojonier, Bak Ext	954.02	013.02	32	5.35008	0.51370	0.12422	31	5.35605	0.51781	0.10790
Fat, Roese-Gottlieb Modified.....		013.08	1	4.15000	0.07071	0.10000	1	4.15000	0.07071	0.10000
Fat, Soxtec-Acid Hydrolysis		013.10	14	4.94489	0.63577	0.21293	14	4.94489	0.63577	0.21293
Fat, NIR-Acid Hydrolysis		013.12	3	5.09833	0.77525	0.11667	3	5.09833	0.77525	0.11667
Fat, Ankon-Acid Hydrolysis		013.13	1	5.14000	0.22627	0.32000	1	5.14000	0.22627	0.32000
Fat, Pretreat or extended ext, misc ...		013.99	2	5.60500	0.87462	0.12000	2	5.60500	0.87462	0.12000
Method Group 013.XX PCT			53	5.21181	0.61002	0.15030	52	5.21271	0.61432	0.14108
Aluminum, ICP		015.00	12	121.018	16.2361	4.85850	11	117.566	11.4509	3.66382

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Method Group 015.XX PPM			12	121.018	16.2361	4.85850	11	117.566	11.4509	3.66382
Arsenic, AA, Hydride		016.00	1	0.19450	0.00354	0.00500	1	0.19450	0.00354	0.00500
Arsenic, ICP		016.02	1	0.25000	0.00000	0.00000	1	0.25000	0.00000	0.00000
Method Group 016.XX PPM			2	0.22225	0.03211	0.00250	2	0.22225	0.03211	0.00250
Boron, ICP		017.00	7	9.36000	0.62561	0.42857	7	9.36000	0.62561	0.42857
Boron, Misc		017.99	1	10.7000	0.28284	0.40000	1	10.7000	0.28284	0.40000
Method Group 017.XX PPM			8	9.52750	0.74433	0.42500	8	9.52750	0.74433	0.42500
Cadmium, AA		018.01	1	0.43700	0.03818	0.05400	1	0.43700	0.03818	0.05400
Cadmium, ICP		018.02	3	0.13408	0.02715	0.02117	3	0.13408	0.02715	0.02117
Method Group 018.XX PPM			4	0.20981	0.14282	0.02938	4	0.20981	0.14282	0.02938
Calcium, Ox-Mn04 Vol	927.02	019.00	11	0.97618	0.07256	0.01559	11	0.94938	0.07054	0.01436
Calcium, At Abs Spect	968.08	019.01	44	0.97554	0.04270	0.02374	41	0.97570	0.03840	0.01523
Calcium, Semiauto (Autoanalyzer)		019.03	4	1.01064	0.03487	0.01778	4	1.01064	0.03487	0.01778
Calcium, ICP, Dry Ash.....		019.05	44	0.97669	0.04077	0.01565	43	0.97649	0.04065	0.01392
Calcium, EDTA		019.08	4	0.99125	0.10736	0.02250	5	1.04200	0.14289	0.02000
Calcium, ICP, Wet Ash		019.09	34	0.97308	0.06709	0.02106	33	0.97438	0.06686	0.01806
Calcium, Misc		019.99	5	0.96840	0.08029	0.01760	5	0.96840	0.08029	0.01760
Method Group 019.XX PCT			146	0.97651	0.05484	0.01966	140	0.97586	0.05289	0.01562
Chromium, AA.....		020.00	1	2.40000	0.14142	0.20000	1	2.40000	0.14142	0.20000
Chromium, ICP		020.01	8	4.64819	1.24233	0.30038	8	4.64819	1.24233	0.30038
Chromium, Misc		020.99	2	6.38750	1.10813	0.10500	2	6.38750	1.10813	0.10500
Method Group 020.XX PPM			11	4.76005	1.52423	0.25573	11	4.76005	1.52423	0.25573
Cobalt, AA	968.08	021.01	3	1.46500	0.76644	0.14333	3	1.46500	0.76644	0.14333
Cobalt, ICP		021.02	12	1.01444	0.17032	0.06429	11	1.01836	0.17284	0.04582
Cobalt, Misc.		021.99	1	1.00000	0.00000	0.00000	1	1.00000	0.00000	0.00000
Method Group 021.XX PPM			16	1.09802	0.38518	0.07509	15	1.10647	0.39520	0.06227
Copper, AA	968.08	022.01	22	312.743	27.5306	9.39864	21	314.112	27.0771	7.94143
Copper, ICP, Dry Ash	968.08	022.03	34	300.734	30.0854	8.36753	32	298.244	28.2780	6.53738
Copper, ICP, Wet Ash	968.08	022.05	32	329.361	17.7290	6.16531	30	330.469	17.3791	5.14300
Copper, Misc		022.99	3	321.820	18.7679	5.72867	3	321.820	18.7679	5.72867
Method Group 022.XX PPM			91	314.399	28.0365	7.75541	86	314.182	27.8405	6.36560
Fluorine, Ion Sel Elect	975.08	023.01	1	0.00100	0.00000	0.00000	1	0.00100	0.00000	0.00000
Iodine, Elm-Cald	935.14	024.01	1	2.69500	0.19092	0.27000	1	2.69500	0.19092	0.27000
Iron, AA	968.08	025.01	16	816.560	95.8591	26.0800	15	819.631	93.4377	12.2853
Iron, ICP, Dry Ash	968.08	025.03	31	850.331	47.4966	20.0063	29	849.801	46.3807	15.8659
Iron, ICP, Wet Ash	968.08	025.05	23	810.379	68.8555	18.8709	21	813.967	69.9621	13.3252
Iron, Misc		025.99	2	833.278	57.3494	16.2495	2	833.278	57.3494	16.2495
Method Group 025.XX PPM			72	829.590	69.7057	20.8890	67	831.322	68.4371	14.2794
Lead,		026.00	6	1.86233	0.38217	0.08767	6	1.86233	0.38217	0.08767

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Lead, Misc		026.99	2	1.69200	0.29707	0.13150	2	1.69200	0.29707	0.13150
Method Group 026.XX PPM			8	1.81975	0.36133	0.09863	8	1.81975	0.36133	0.09863
Magnesium, AA	968.08	027.01	22	0.22558	0.03028	0.00812	20	0.22364	0.03024	0.00493
Magnesium, ICP, Dry Ash	968.08	027.03	35	0.24425	0.03053	0.00678	34	0.24394	0.03082	0.00610
Magnesium, ICP, Wet Ash	968.08	027.05	26	0.17667	0.01676	0.00861	24	0.17702	0.01596	0.00558
Magnesium, Misc.		027.99	1	0.15000	0.00000	0.00000	1	0.15000	0.00000	0.00000
Method Group 027.XX PCT			84	0.21732	0.03997	0.00762	79	0.21728	0.03975	0.00557
Manganese, AA	968.08	028.01	17	147.291	9.89148	2.95765	17	147.291	9.89148	2.95765
Manganese, ICP, Dry Ash	968.08	028.03	31	153.465	10.7936	4.40774	30	153.097	10.6361	3.92133
Manganese, ICP, Wet Ash	968.08	028.05	33	158.139	11.1562	4.91394	32	158.174	11.0908	4.25500
Manganese, Misc.		028.99	2	156.408	6.27356	7.81500	2	156.408	6.27356	7.81500
Method Group 028.XX PPM			83	154.130	11.3465	4.39410	81	153.966	11.2807	3.94704
Phosphorus, Photometric	965.17	031.01	52	0.72745	0.02586	0.01027	49	0.72719	0.02476	0.00783
Phosphorus, GOMP (2.028)	964.06	031.02	2	0.74133	0.00873	0.00805	2	0.74133	0.00873	0.00805
Phosphorus, Autoanalyzer		031.03	5	0.72109	0.00788	0.00630	5	0.72109	0.00788	0.00630
Phosphorus, ICP		031.05	75	0.71463	0.04200	0.01281	72	0.71484	0.04209	0.01136
Phosphorus, Hach Method		031.06	1	0.70000	0.01414	0.02000	1	0.70000	0.01414	0.02000
Phosphorus, Misc		031.99	7	0.72643	0.04924	0.01286	7	0.72643	0.04924	0.01286
Method Group 031.XX PCT			142	0.72041	0.03653	0.01164	136	0.72040	0.03632	0.01000
Potassium, AA	975.03	032.01	21	1.14783	0.06933	0.02130	19	1.14734	0.07157	0.01459
Potassium, Flame Emission	956.01	032.02	6	1.09983	0.10258	0.01967	6	1.09983	0.10258	0.01967
Potassium, ICP		032.05	59	1.15562	0.07181	0.03383	58	1.15529	0.07048	0.03010
Potassium, Misc		032.99	1	1.12500	0.00707	0.01000	1	1.12500	0.00707	0.01000
Method Group 032.XX PCT			87	1.14954	0.07416	0.02955	84	1.14917	0.07388	0.02561
Salt, Sol Cl	943.01	033.00	27	0.89097	0.06721	0.01697	27	0.88264	0.07572	0.01438
Salt, Poten Cl	969.10	033.01	29	0.91067	0.02628	0.01187	28	0.90926	0.02500	0.01015
Salt, Quantab		033.03	6	0.90750	0.05956	0.03500	6	0.90750	0.05956	0.03500
Salt, Ion Sel Electrode		033.05	1	0.93000	0.01414	0.02000	1	0.93000	0.01414	0.02000
Salt, Misc		033.99	12	0.91442	0.09107	0.02233	13	0.93023	0.10369	0.02062
Method Group 033.XX PCT			75	0.90418	0.05934	0.01734	73	0.90327	0.05961	0.01603
Selenium, Fluor	969.06	034.01	1	0.82300	0.00000	0.00000	1	0.82300	0.00000	0.00000
Selenium, AA, Hydride		034.04	8	0.81619	0.15545	0.03355	8	0.81619	0.15545	0.03355
Selenium, ICP		034.05	3	0.91533	0.12177	0.03867	3	0.91533	0.12177	0.03867
Selenium, Misc		034.99	4	0.83441	0.36098	0.06282	4	0.83441	0.36098	0.06282
Method Group 034.XX PPM			16	0.83976	0.21196	0.03973	16	0.83976	0.21196	0.03973
Sodium, AA		035.00	23	0.37844	0.03113	0.00772	22	0.38041	0.03307	0.00580
Sodium, Ion Sel Electrode		035.01	1	0.38350	0.00495	0.00700	1	0.38350	0.00495	0.00700
Sodium, ICP		035.03	51	0.37093	0.02210	0.00884	46	0.37052	0.02025	0.00548
Sodium, Flame Emission	956.01	035.05	10	0.37995	0.02716	0.01030	9	0.37772	0.02692	0.00700

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Sodium, Misc		035.99	1	0.38500	0.00707	0.01000	1	0.38500	0.00707	0.01000
Method Group 035.XX PCT			86	0.37430	0.02536	0.00870	78	0.37334	0.02346	0.00564
Sulfur, (Gravimetric)		036.00	2	0.35250	0.03862	0.04500	2	0.35250	0.03862	0.04500
Sulfur, ICP		036.03	23	0.33247	0.02505	0.00660	23	0.33247	0.02505	0.00660
Sulfur, LECO		036.04	1	0.34000	0.00000	0.00000	1	0.34000	0.00000	0.00000
Method Group 036.XX PCT			26	0.33430	0.02592	0.00930	26	0.33430	0.02592	0.00930
Zinc, AA	968.08	037.01	21	5521.43	345.307	160.931	19	5530.53	315.931	95.7663
Zinc, ICP, Dry Ash	968.08	037.03	37	5628.33	409.276	166.366	35	5607.82	382.869	107.444
Zinc, ICP, Wet Ash	968.08	037.05	29	5511.04	371.592	130.456	26	5536.99	351.950	71.3935
Zinc, Misc		037.99	4	5433.05	264.693	122.955	4	5433.05	264.693	122.955
Method Group 037.XX PPM			91	5557.70	380.119	151.760	84	5560.09	354.315	94.3827
Molybdenum, ICP		038.00	9	1.99278	0.74646	0.16111	9	1.99278	0.74646	0.16111
Molybdenum, Misc		038.99	1	2.00000	0.00000	0.00000	1	2.00000	0.00000	0.00000
Method Group 038.XX PPM			10	1.99350	0.70609	0.14500	10	1.99350	0.70609	0.14500
Nickel, AA		039.01	1	3.50000	0.00000	0.00000	1	3.50000	0.00000	0.00000
Nickel, ICP		039.02	5	4.14450	0.43159	0.21120	5	4.14450	0.43159	0.21120
Method Group 039.XX PPM			6	4.03708	0.46404	0.17600	6	4.03708	0.46404	0.17600
Barium, ICP		040.00	1	3.58500	0.16263	0.23000	1	3.58500	0.16263	0.23000
Vanadium, ICP		041.00	3	1.25458	0.34182	0.14483	3	1.25458	0.34182	0.14483
Method Group 041.XX PPM			3	1.25458	0.34182	0.14483	3	1.25458	0.34182	0.14483
Chlorotetracycline, Plate	967.39	051.00	9	395.022	19.2618	9.40111	8	391.524	16.2645	6.32625
Chlorotetracycline, HPLC		051.03	5	363.995	38.1283	16.3020	5	363.995	38.1283	16.3020
Method Group 051.XX G/TON			14	383.941	30.7798	11.8657	13	380.936	29.4725	10.1631
Tiamulin,		086.00	4	34.4438	4.39639	1.47750	4	34.4438	4.39639	1.47750
Method Group 086.XX G/TON			4	34.4438	4.39639	1.47750	4	34.4438	4.39639	1.47750
Choline Chloride, Chem		101.01	1	1253.50	6.36396	9.00000	1	1253.50	6.36396	9.00000
Niacin, Micro	944.13	102.01	1	71.9600	0.32527	0.46000	1	71.9600	0.32527	0.46000
Riboflavin, Fluorometric	970.65	104.00	4	14.8400	0.78059	0.54000	4	14.8400	0.78059	0.54000
Method Group 104.XX MG/LB			4	14.8400	0.78059	0.54000	4	14.8400	0.78059	0.54000
Thiamine, HPLC		105.00	2	2.96000	0.54191	0.25000	2	2.96000	0.54191	0.25000
Thiamine,	942.23	105.01	2	4.12000	0.44490	0.27000	2	4.12000	0.44490	0.27000
Method Group 105.XX MG/LB			4	3.54000	0.77146	0.26000	4	3.54000	0.77146	0.26000
Vitamin A, Color	974.29	106.00	1	9.20000	0.14142	0.20000	1	9.20000	0.14142	0.20000
Vitamin A, HPLC		106.02	12	10.4084	3.30113	0.71421	11	10.2169	3.35581	0.50732
Method Group 106.XX KU/LB			13	10.3155	3.18345	0.67465	12	10.1322	3.21955	0.48171
Vitamin B12,	952.20	107.00	2	41.3815	3.00071	3.36100	2	41.3815	3.00071	3.36100
Method Group 107.XX MCG/L			2	41.3815	3.00071	3.36100	2	41.3815	3.00071	3.36100
Vitamin D3, HPLC	982.29	108.01	1	2.32000	0.12728	0.18000	1	2.32000	0.12728	0.18000
Vitamin D3, HPLC		108.02	2	3.23450	1.42708	0.29400	2	3.23450	1.42708	0.29400

Feed Check Sample No. - 200931 Infant Pig Starter, Medicated
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- Pass 1 Results for 217 Labs - - Pass 2 Results for 217 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 108.XX KU/LB			3	2.92967	1.20341	0.25600	3	2.92967	1.20341	0.25600
Vitamin E, HPLC		109.02	9	258.384	147.923	3.65544	9	258.384	147.923	3.65544
Vitamin E, Misc		109.99	1	348.500	0.70711	1.00000	1	348.500	0.70711	1.00000
Method Group 109.XX MG/KG			10	267.396	142.644	3.38990	10	267.396	142.644	3.38990
Pyridoxine, (Vitamin B6)	961.15	112.00	1	13.4500	0.49497	0.70000	1	13.4500	0.49497	0.70000
Folic Acid,	944.12	113.01	2	3.53000	0.62231	0.13000	2	3.53000	0.62231	0.13000
Method Group 113.XX MG/KG			2	3.53000	0.62231	0.13000	2	3.53000	0.62231	0.13000
Biotin, Microbiological		114.01	1	0.54050	0.00919	0.01300	1	0.54050	0.00919	0.01300
Alanine, Post-col Ninhydrin Der	994.12	120.00	12	1.17333	0.05787	0.01983	12	1.17333	0.05787	0.01983
Alanine, Pre-col AQC Der		120.05	3	1.18333	0.04457	0.03333	3	1.18333	0.04457	0.03333
Method Group 120.XX PCT			15	1.17533	0.05491	0.02253	15	1.17533	0.05491	0.02253
Arginine, Post-col Ninhydrin Der	994.12	121.00	13	1.38799	0.07045	0.02497	12	1.37763	0.06100	0.01875
Arginine, Pre-col AQC Der		121.05	2	1.44500	0.07724	0.07000	2	1.44500	0.07724	0.07000
Method Group 121.XX PCT			15	1.39559	0.07269	0.03097	14	1.38725	0.06640	0.02607
Aspartic, Post-col Ninhydrin Der	994.12	122.00	12	2.21838	0.08430	0.03358	12	2.21838	0.08430	0.03358
Aspartic, Pre-col AQC Der		122.05	3	2.20167	0.12576	0.09000	3	2.20167	0.12576	0.09000
Method Group 122.XX PCT			15	2.21503	0.09170	0.04487	15	2.21503	0.09170	0.04487
Cysteine/Cystine, PAO Post-col Ninhydrin Der	994.12	124.00	9	0.36311	0.02293	0.00600	8	0.36225	0.02399	0.00425
Cysteine/Cystine, PAO Post-col OPA Der		124.02	2	0.37100	0.03675	0.01200	2	0.37100	0.03675	0.01200
Cysteine/Cystine, PAO Pre-col AQC Der		124.05	2	0.41325	0.03048	0.03150	2	0.41325	0.03048	0.03150
Method Group 124.XX PCT			13	0.37204	0.03099	0.01085	12	0.37221	0.03217	0.01008
Glutamic, Post-col Ninhydrin Der	994.12	125.00	13	3.60852	0.16440	0.06509	12	3.61379	0.16609	0.04925
Glutamic, Pre-col AQC Der		125.05	3	3.52500	0.20027	0.05667	3	3.52500	0.20027	0.05667
Method Group 125.XX PCT			16	3.59286	0.17136	0.06351	15	3.59603	0.17349	0.05073
Glycine, Post-col Ninhydrin Der	994.12	126.00	13	1.02413	0.05211	0.01495	13	1.02413	0.05211	0.01495
Glycine, Pre-col AQC Der		126.05	3	1.10167	0.04070	0.02333	3	1.10167	0.04070	0.02333
Method Group 126.XX PCT			16	1.03867	0.05833	0.01652	16	1.03867	0.05833	0.01652
Histidine, Post-col Ninhydrin Der	994.12	127.00	12	0.66101	0.05028	0.01923	12	0.66101	0.05028	0.01923
Histidine, Pre-col AQC Der		127.05	3	0.70100	0.06712	0.03000	3	0.70100	0.06712	0.03000
Method Group 127.XX PCT			15	0.66901	0.05520	0.02138	15	0.66901	0.05520	0.02138
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	13	0.84626	0.04119	0.02008	12	0.84779	0.04108	0.01542
Isoleucine, Pre-col AQC Der		128.05	3	0.91467	0.03919	0.01800	3	0.91467	0.03919	0.01800
Method Group 128.XX PCT			16	0.85909	0.04850	0.01969	15	0.86117	0.04841	0.01593
Leucine, Post-col Ninhydrin Der	994.12	129.00	12	1.92227	0.05818	0.02881	12	1.92227	0.05818	0.02881
Leucine, Pre-col AQC Der		129.05	3	1.95833	0.05707	0.01000	3	1.95833	0.05707	0.01000
Method Group 129.XX PCT			15	1.92948	0.05884	0.02505	15	1.92948	0.05884	0.02505
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	16	1.51289	0.05193	0.03808	15	1.50795	0.04572	0.03061
L-Lysine, Pre-col OPA Der		130.01	1	1.36500	0.00707	0.01000	1	1.36500	0.00707	0.01000
L-Lysine, Pre-col AQC Der		130.05	5	1.51950	0.07778	0.07420	5	1.51950	0.07778	0.07420

Feed Check Sample No. - 200931 Infant Pig Starter, Medicated
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- Pass 1 Results for 217 Labs - - Pass 2 Results for 217 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 130.XX PCT			22	1.50767	0.06489	0.04501	21	1.50390	0.06181	0.04001
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	13	0.54671	0.03546	0.01026	12	0.54893	0.03556	0.00778
Methionine, PAO Post-col OPA Der		131.02	2	0.59400	0.02376	0.01500	2	0.59400	0.02376	0.01500
Methionine, PAO Pre-col AQC Der		131.05	3	0.59433	0.04105	0.04600	3	0.59433	0.04105	0.04600
Methionine, Misc		131.99	1	0.53250	0.01485	0.02100	1	0.53250	0.01485	0.02100
Method Group 131.XX PCT			19	0.55846	0.04010	0.01697	18	0.56059	0.03985	0.01569
Phenylalanine, Post-col Ninhydrin Der	994.12	132.00	13	1.11735	0.07049	0.02557	12	1.10450	0.05400	0.01883
Phenylalanine, Pre-col AQC Der		132.05	3	1.18500	0.04231	0.04333	3	1.18500	0.04231	0.04333
Method Group 132.XX PCT			16	1.13003	0.07082	0.02890	15	1.12060	0.06077	0.02373
Proline, Post-col Ninhydrin Der	994.12	133.00	11	1.19420	0.04971	0.01683	10	1.19262	0.05106	0.01251
Proline, Pre-col AQC Der		133.05	3	1.24000	0.08390	0.08000	3	1.24000	0.08390	0.08000
Method Group 133.XX PCT			14	1.20401	0.05993	0.03036	13	1.20355	0.06168	0.02808
Serine, Post-col Ninhydrin Der	994.12	134.00	13	1.02363	0.06833	0.02898	12	1.03013	0.06561	0.02342
Serine, Pre-col AQC Der		134.05	3	1.15667	0.03670	0.03333	3	1.15667	0.03670	0.03333
Method Group 134.XX PCT			16	1.04858	0.08225	0.02979	15	1.05543	0.07935	0.02540
Threonine, Post-col Ninhydrin Der	994.12	135.00	13	1.21022	0.06441	0.01605	13	1.21022	0.06441	0.01605
Threonine, Pre-col AQC Der		135.05	3	1.31333	0.04546	0.03333	3	1.31333	0.04546	0.03333
Method Group 135.XX PCT			16	1.22956	0.07315	0.01929	16	1.22956	0.07315	0.01929
Tryptophan, Alka-Hydrol Post-col Ninhyd	988.15	136.00	2	0.31575	0.03007	0.00550	2	0.31575	0.03007	0.00550
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	5	0.28710	0.02344	0.00540	5	0.28710	0.02344	0.00540
Tryptophan, Alka Hydrol+IS Rev Phase LC		136.03	1	0.28900	0.00283	0.00400	1	0.28900	0.00283	0.00400
Tryptophan, Misc		136.99	2	0.28025	0.00450	0.00550	2	0.28025	0.00450	0.00550
Method Group 136.XX PCT			10	0.29165	0.02383	0.00530	10	0.29165	0.02383	0.00530
Tyrosine, Post-col Ninhydrin Der	994.12	137.00	8	0.76440	0.10883	0.02825	7	0.73643	0.08116	0.01886
Tyrosine, Pre-col AQC Der		137.05	3	0.77100	0.08442	0.13133	3	0.77100	0.08442	0.13133
Method Group 137.XX PCT			11	0.76620	0.10083	0.05636	10	0.74680	0.08152	0.05260
Valine, Post-col Ninhydrin Der	994.12	138.00	12	1.13349	0.07367	0.02534	12	1.13349	0.07367	0.02534
Valine, Pre-col AQC Der		138.05	3	1.17167	0.07360	0.00333	3	1.17167	0.07360	0.00333
Method Group 138.XX PCT			15	1.14112	0.07402	0.02094	15	1.14112	0.07402	0.02094
Taurine, Post-col Ninhydrin Der	994.12	139.00	2	0.05250	0.03175	0.00000	2	0.05250	0.03175	0.00000
Method Group 139.XX PCT			2	0.05250	0.03175	0.00000	2	0.05250	0.03175	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 001.08 --			-- Method 002.01 --			-- Method 002.05 --		
278	0.6500	.71	199	8.6250	.68	590	8.5150	.71	536	23.490	.74	354	23.390	.23
			004	8.5950	.62				350	23.406	.32	Avg	23.289	
-- Method 000.99 --			049	8.5350	.51	-- Method 001.99 --			Avg	23.306		083	23.260	-.12
265	1.0450	.71	845	8.5500	.48	405	9.2550	1.89	723	23.305	-.02	855	23.270	-.24
			843	8.4450	.48	681	9.2150	1.78	860	23.275	-.10	621	22.980	-.73
-- Method 001.00 --			413	8.5000	.42	615	9.0950	1.50	653	23.085	-.72	622	22.940	-.81
001	9.6300	S 2.79	074	8.5500	.41	676	8.8225	.65	652	23.050	-.85	039	22.742	-1.16
504	9.0850	1.53	139	8.5150	.37	505	8.7800	.60	731	23.050	-.97	689	22.750	-1.19
844	8.7900	.89	695	8.5100	.28	357	8.7500	.45	848	22.950	-1.16	620	22.586	-1.50
169	8.6900	.62	653	8.5100	.27	096	8.7000	.41	098	22.950	-1.18			
784	8.5800	.37	849	8.5100	.27	656	8.6500	.25				-- Method 002.06 --		
509	8.4850	.18	689	8.5000	.23	629	8.6550	.21	-- Method 002.02 --			692	24.900	S 4.03
Avg	8.4194		592	8.4500	.18	Avg	8.5957		307	23.800	R 2.63	511	24.715	A 3.41
861	8.3800	-.10	098	8.4550	.11	510	8.5500	-.19	152	23.750	1.68	588	24.440	2.49
029	8.1550	-.65	571	8.4400	.11	630	8.5100	-.25	036	23.471	.07	738	24.420	2.41
309	7.8600	-1.41	345	8.4550	.08	619	8.4500	-.44	297	23.475	.05	616	24.355	2.21
560	7.7500	-1.54	Avg	8.4340		787	8.4300	-.54	Avg	23.468		148	24.305	2.03
			083	8.4250	-.09	720	8.3850	-.61	169	23.325	-.86	510	24.250	1.85
-- Method 001.03 --			089	8.3850	-.17	037	8.3850	-.62	042	23.320	-.96	018	24.225	1.78
868	8.7150	1.34	035	8.3600	-.26	665	8.3200	-.79				100	24.220	1.78
567	8.5500	.68	187	8.3500	-.30	729	8.3200	-.83	-- Method 002.03 --			574	24.215	1.72
688	8.4500	.31	581	8.3450	-.32	631	8.1150	-1.38	536	23.095	.71	037	24.095	R 1.63
686	8.4000	.05	307	8.4000	-.37	853	7.9300	-1.91				682	23.775	R 1.55
Avg	8.3942		065	8.2875	-.51	541	7.4100	S -3.41	-- Method 002.04 --			001	24.060	1.48
731	8.2500	-.62	226	8.2500	-.67				509	25.050	S 7.46	160	24.085	1.46
867	8.0000	-1.66	353	8.2750	-.81	-- Method 002.00 --			504	23.660	1.26	520	24.010	1.37
727	7.1700	S -5.12	679	8.2000	-.82	826	26.120	S 9.50	Avg	23.395		263	24.106	1.36
			693	8.2600	-.83	028	23.890	1.72	868	23.260	-.65	831	24.040	1.22
-- Method 001.05 --			675	8.1250	-1.09	199	23.705	.87	405	23.265	-.70	144	24.065	1.22
610	8.1250	.71	171	8.1500	-1.10	Avg	23.460		187	21.500	S -8.55	763	24.065	1.22
			297	8.1050	-1.16	015	23.330	-.47	728	18.075	S -23.99	687	24.055	1.19
-- Method 001.07 --			278	7.9100	-1.84	869	23.325	-.49				834	24.005	1.14
142	9.2500	2.87	038	7.6325	-2.83	845	23.325	-.53	-- Method 002.05 --			592	24.000	.99
366	9.0500	S 2.49	616	7.1250	S -4.60	679	23.185	-1.03	852	24.400	2.36	695	23.985	.95
045	8.7000	R 1.99	618	6.5050	S -6.78				674	23.630	.75	089	23.985	.94
178	8.9500	1.82				-- Method 002.01 --			194	23.555	.57	265	23.900	.94
609	8.9000	1.67				685	23.910	1.97	178	23.550	.56	626	23.965	.92
550	8.7025	.95				870	23.655	1.17	849	23.500	.45	505	23.955	.86
588	8.6500	.76				716	23.550	.81	596	23.500	.45	345	23.940	.83

* 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 002.10	--	--	Method 003.00	--
807	23.725	.73	294	23.700	-.04	353	23.565	-.98	861	23.770	1.70	017	5.4600 s	3.78
573	23.920	.72	038	23.705	-.08	021	23.470	-1.00	629	23.590 R	1.46	032	5.2800 S	3.18
504	23.900	.72	647	23.700	-.10	051	23.400	-1.04	121	23.571	1.02	142	5.1000	2.62
004	23.765	.72	784	23.695	-.12	017	23.425	-1.05	675	23.495	.68	190	4.7250	1.49
233	23.905	.69	354	23.650	-.19	036	23.390	-1.07	619	23.400	.50	307	4.6000	1.11
646	23.795	.57	298	23.650	-.19	011	23.430	-1.15	546	23.440	.49	563	4.4959	.77
029	23.875	.57	096	23.680	-.22	010	23.350	-1.21	688	23.350	.24	615	4.4600	.66
610	23.850	.52	853	23.665	-.23	726	23.349	-1.21	631	23.310	.18	596	4.4250	.53
823	23.850	.52	673	23.650	-.25	508	23.343	-1.24	Avg	23.310		132	4.3550	.34
843	23.805	.51	108	23.615	-.31	615	23.505 R	-1.32	729	23.200	-.50	175	4.2600	.19
013	23.850	.50	205	23.625	-.31	553	23.323	-1.37	160	23.050	-.98	139	4.3100	.18
229	23.850	.50	589	23.610	-.34	619	23.300	-1.37	867	22.925	-1.42	726	4.2830	.09
794	23.750	.50	142	23.600	-.36	609	23.510 R	-1.38	628	22.895	-1.53	354	4.2700	.08
830	23.845	.48	278	23.600	-.36	132	23.290	-1.51	613	15.410 s	-29.08	Avg	4.2555	
782	23.780	.48	674	23.600	-.38	119	23.255	-1.53				035	4.2400	-.06
529	23.840	.47	106	23.585	-.42	859	23.247	-1.56	--	Method 002.11	--	039	4.1624	-.29
171	23.800	.46	065	23.574	-.45	003	23.305	-1.64	032	30.400 S	5.90	848	4.1450	-.34
098	23.800	.46	546	23.595	-.45	027	23.225	-1.66	868	24.835	1.70	345	4.1500	-.36
019	23.825	.44	712	23.620	-.47	567	23.300 R	-1.70	665	24.415	1.41	194	4.1150	-.44
190	23.830	.43	035	23.565	-.48	026	23.190	-1.75	297	23.700	.85	353	4.1150	-.46
425	23.830	.42	175	23.600	-.49	539	23.185	-1.76	011	22.700	.12	015	4.2500 R	-.47
006	23.720	.37	042	23.570	-.50	407	23.155	-1.86	Avg	23.642		509	4.0650	-.59
828	23.770	.37	660	23.630	-.51	242	23.125	-2.01	588	22.560	-.11	026	4.0250	-.71
693	23.815	.37	009	23.585	-.52	676	23.380 R	-2.02	679	22.175 S	-.30	152	3.9500	-.96
748	23.795	.35	357	23.565	-.52	541	23.000	-2.47	731	21.805 S	-.58	309	3.8950	-1.13
413	23.800	.32	139	23.540	-.56	550	22.973 s	-3.80	867	21.575 S	-.75	616	3.4750	-2.43
787	23.710	.30	598	23.560	-.58	045	22.400 s	-4.41	713	20.990 S	-1.19			
720	23.795	.30	358	23.595	-.62	074	22.695 s	-4.86	631	20.985 S	-1.20	--	Method 003.01	--
034	23.795	.30	650	23.540	-.64	016	22.550 s	-5.27	178	18.400 S	-3.15	504	3.6900	.71
808	23.795	.30	366	23.500	-.70	686	22.110 s	-5.63	720	15.695 S	-5.19			
199	23.750	.28	014	23.550	-.73							--	Method 003.06	--
618	23.785	.28	083	23.505	-.75	--	Method 002.08	--	--	Method 002.99	--	867	7.0250 s	10.50
168	23.710	.27	571	23.456	-.84	706	23.665	1.22	681	24.440	1.30	852	5.3500 s	4.37
226	23.750	.23	559	23.530	-.85	610	23.600	.82	008	23.925	.51	169	4.8200	2.43
164	23.720	.18	865	23.645	-.85	208	23.500	.58	Avg	23.656		869	4.6400	1.79
670	23.735	.11	656	23.455	-.86	Avg	23.392		305	23.195	-.77	621	4.5200	1.33
814	23.715	.06	049	23.480	-.88	062	23.345	-.35	643	23.065	-.98	688	4.4000	.90
Avg	23.706		512	23.470	-.93	563	23.094	-1.18				074	4.3600	.75
590	23.700	-.02	630	23.435	-.95	309	23.150	-1.22				552	4.3400	.69

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 003.06	--	--	Method 003.09	--	--	Method 003.10	--	--	Method 003.14	--	--	Method 004.00	--
689	4.2500	.39	033	4.1750	.11	242	3.9050	-1.06	598	4.4600	1.92	226	2.4500	2.39
588	4.2500	.38	354	4.1850	.09	042	3.8850	-1.20	413	4.3500	1.59	511	2.3000	1.84
083	4.2050	.27	Avg	4.1723		089	3.8200	-1.56	049	4.1950	.96	509	2.0200	.78
148	4.1850	.26	263	4.1549	-.08	855	3.8400 R	-1.71	529	4.1450	.67	563	1.9731	.58
682	4.1800	.17	121	4.1450	-.12	720	3.7550	-2.12	520	4.0950	.66	559	1.9050	.34
009	4.1550	.13	027	4.1085	-.30	609	2.4500 s	-12.89	581	4.0050	.51	199	1.9200	.34
229	4.1700	.12	675	4.1050	-.33	--	Method 003.11	--	019	4.0500	.30	309	1.8450	.25
164	4.1600	.04	508	4.0479	-.58	720	7.2250 S	6.08	144	4.0000	.22	425	1.9000	.25
Avg	4.1550		226	3.8500	-1.42	665	7.1150 S	5.84	686	4.0300	.22	164	1.9000	.25
003	4.1400	-.09	001	3.8450	-1.48	011	6.4000 S	4.24	Avg	3.9751		194	1.8950	.24
511	4.1400	-.09	674	3.6700	-2.19	631	6.2600 S	3.93	108	3.9500	-.13	354	1.8750	.21
294	4.0800	-.28	358	3.6600	-2.24	178	6.2500 S	3.91	567	3.9500	-.22	175	1.8850	.20
559	4.0500	-.41	--	Method 003.10	--	713	6.2300 S	3.86	278	3.9000	-.30	190	1.8600	.18
687	3.9800	-.64	623	4.5448 s	4.45	867	6.1350 S	3.65	550	3.8375	-.56	Avg	1.8352	
305	3.9400	-.79	679	4.2650	2.12	588	5.8250 S	2.96	407	3.7350	-.97	855	1.7900	-.23
425	3.9100	-.90	689	4.2500	2.03	032	5.4500 S	2.13	265	3.7000	-1.16	298	1.7700	-.26
297	3.8550	-1.10	062	4.1135	.94	731	4.9000	.90	175	3.6700	-1.26	171	1.7800	-.32
574	3.7350	-1.54	618	4.1045	.90	679	4.6550	.36	853	3.5050	-1.92	169	1.7450	-.35
647	3.7150	-1.65	178	4.1000	.75	Avg	4.4983		--	Method 003.99	--	510	1.7500	-.38
199	3.6950	-1.68	366	4.1000	.75	868	3.9400	-1.25	008	5.9450 s	9.06	681	1.7350	-.39
731	3.6750 R	-1.80	233	4.0900	.66	--	Method 003.12	--	787	4.6100	2.02	208	1.7350	-.46
618	3.0850 s	-4.02	034	4.0900	.66	536	8.2800 S	12.11	712	4.4050 R	1.29	726	1.6885	-.57
870	2.9714 s	-4.34	613	4.0800	.60	670	4.5650	1.27	681	4.4300	.89	009	1.6600	-.68
--	Method 003.09	--	629	4.0600	.42	628	4.2750	.44	065	4.3575	.51	042	1.6450	-.74
860	4.5700	1.73	865	4.0450	.36	357	4.2000	.20	047	4.3000	.19	353	1.6900	-.76
651	4.3095 R	1.37	619	4.0200	.09	Avg	4.1300		738	4.2650	.03	596	1.6000 R	-1.20
038	4.4100	1.05	Avg	4.0096		171	4.0050	-.40	Avg	4.2643		504	1.4650	-1.43
505	4.3900	1.04	693	3.9700	-.34	553	3.6050	-1.58	631	4.2600	-.06	695	1.4000	-1.69
590	4.4000	.99	119	3.9600	-.41	--	Method 003.13	--	630	4.2100	-.30	132	1.3550	-1.86
620	4.3053	.79	100	3.9700	-.41	028	4.4450	1.48	727	4.1550	-.68	--	Method 004.01	--
673	4.2500	.74	868	3.9900	-.44	187	4.2700	.56	546	4.1000	-1.00	366	2.5000	.86
685	4.3200	.64	208	4.0050	-.46	Avg	4.1791		861	3.9550	-1.67	Avg	2.2950	
098	4.3000	.61	160	3.9550	-.64	646	4.0850	-.51	--	Method 004.00	--	693	2.0900	-.87
849	4.3100	.60	045	3.9500	-.64	205	4.1055	-.80	647	4.0500 s	8.59	--	Method 004.03	--
350	4.2625	.39	098	3.9850	-.65	660	3.9900	-1.04	015	2.9500 s	4.53	045	2.4500	.90
723	4.2550	.36	695	3.9700	-.66	--			034	2.9550 s	4.36	679	2.3000	.37
004	4.2050	.32	298	3.9100	-.83				345	2.4500	2.39	Avg	2.1983	
656	4.2100	.24	051	3.9100	-.92									

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 004.03	--	--	Method 004.07	--	--	Method 004.07	--	--	Method 005.00	--	--	Method 005.00	--
619	1.8450	-1.25	536	3.3700 s	6.27	242	1.4550	-1.30	868	8.2800	1.52	848	8.1150	.37
			019	2.4600	2.69	100	1.4150	-1.51	208	8.2750	1.48	653	8.1000	.34
--	Method 004.06	--	682	2.4000 R	2.54	553	1.2450	-2.13	679	8.2600	1.36	675	8.1250	.34
866	2.6300	2.32	610	2.2000	1.68	160	1.3200 R	-2.14	619	8.2500	1.34	687	8.1200	.33
676	2.5465	1.99	089	2.1750	1.53				148	8.2350	1.27	729	8.1150	.32
609	2.3650 R	1.51	096	2.0000 R	1.45	--	Method 004.11	--	784	8.2450	1.25	620	8.1200	.30
552	2.3900	1.37	265	2.1500	1.45	032	17.850 S	27.57	265	8.2000 R	1.18	553	8.1200	.29
588	2.3550	1.24	121	2.0900	1.20	720	11.555 S	16.93	589	8.2350	1.18	731	8.1150	.26
674	2.3350	1.23	870	2.0176	.96	679	2.3450	1.37	132	8.2250	1.15	100	8.1150	.26
675	2.3450	1.19	278	2.0000	.93	731	2.2500	1.21	588	8.2300	1.13	651	8.1025	.22
029	2.2600 R	1.14	033	2.0000	.87	178	1.8500	.54	029	8.2200	1.08	035	8.1050	.18
849	2.2500	.83	407	1.9450	.65	Avg	1.5321		229	8.2100	.98	298	8.1000	.16
205	2.2400	.78	631	1.9150	.61	713	1.3300	-.35	870	8.1557 R	.96	178	8.1000	.14
716	2.2000	.62	679	1.9050	.47	867	1.1500	-.65	062	8.2005	.91	294	8.1000	.14
620	2.1756	.54	708	1.9000	.46	631	0.9100	-1.05	142	8.2000	.90	139	8.1000	.14
845	2.1100	.36	643	1.8800	.37	588	0.8900	-1.10	688	8.2000	.90	Avg	8.0812	
867	2.1000	.30	686	1.8650	.33				567	8.2000	.90	305	8.0700	-.09
613	2.0500	.20	307	1.8500	.32	--	Method 004.99	--	357	8.2000	.90	034	8.0500	-.24
860	2.0450	.06	042	1.8550	.31	626	2.7000 s	3.37	629	8.1950	.87	199	8.0450	-.28
Avg	2.0410		520	1.8400	.29	008	1.9900	.95	660	8.1000 R	.85	563	8.0614	-.28
038	2.0200	-.21	294	1.8150	.12	354	1.8250	.47	869	8.1150 R	.77	686	8.0500	-.28
720	2.0350	-.22	004	1.7900	.02	628	1.8200	.44	590	8.1800	.77	358	8.0500	-.28
688	1.9500	-.41	Avg	1.7859		Avg	1.6630		828	8.1700	.74	849	8.0450	-.30
689	1.9500	-.41	026	1.7750	-.11	629	1.6500	-.15	712	8.1250	.73	350	8.0425	-.30
848	1.9300	-.44	581	1.7450	-.21	598	1.0300	-1.78	643	8.1750	.71	108	8.0700	-.32
723	1.9300	-.44	013	1.7300	-.23				682	8.1600	.67	510	8.0400	-.32
868	1.9150	-.51	646	1.7500	-.42	--	Method 005.00	--	695	8.1650	.66	353	8.0550	-.33
027	1.9190	-.63	567	1.6850	-.44	038	8.5850 s	3.87	615	8.1000	.63	674	8.0600	-.34
869	1.9050	-.65	849	1.6750	-.44	676	8.5470 s	3.54	171	8.1600	.62	550	8.0375	-.41
673	1.9000	-.68	003	1.6950	-.49	720	8.4000	2.43	693	8.1600	.60	845	8.0300	-.42
590	1.8850	-.72	529	1.6600	-.50	852	8.3700 R	2.32	152	8.1500	.57	089	8.0250	-.43
178	1.8500	-.78	074	1.6200	-.66	504	8.3850	2.31	345	8.1550	.56	505	8.0450	-.44
350	1.8145	-.89	028	1.6000	-.73	226	8.3500	2.08	098	8.1400	.54	354	8.0250	-.44
621	1.7850	-1.02	505	1.5550	-.94	413	8.3500	2.08	164	8.1500	.53	748	8.0250	-.44
098	1.8550 R	-1.03	229	1.5500	-.95	307	8.3050	1.72	187	8.1450	.50	366	8.0500	-.45
656	1.7800	-1.08	032	1.5550	-.98	160	8.3000	1.71	622	8.1386	.45	297	8.0500	-.45
653	1.7450	-1.16	413	1.5000	-1.13	716	8.3000	1.66	552	8.1100	.44	630	8.0250	-.47
610	1.6500	-1.55	144	1.5000	-1.13	278	8.2850	1.55	119	8.1350	.42	865	8.0250	-.47
731	1.5750	-1.83	098	1.5000	-1.15	407	8.2850	1.55	559	8.1300	.38	083	8.0250	-.47

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 005.00	--	--	Method 005.00	--	--	Method 005.99	--	--	Method 008.08	--	--	Method 009.07	--
021	8.0600	-.48	539	7.8200	-2.01	574	8.1600	-.20	049	2.8150	.53	098	5.7000	-1.06
004	8.0200	-.49	613	7.7750	-2.34	546	8.1350	-.45	033	2.5950	.13			
631	8.0100	-.55	831	7.7750	-2.34	728	8.0550	-.85	358	2.6200	.12	--	Method 009.09	--
194	8.0050	-.59	830	7.7550	-2.48	681	7.9500	-1.52	Avg	2.5894		510	7.9000	1.94
656	8.0050	-.59	609	7.7650 R	-2.56	008	7.9250	-1.68	004	2.5600	-.14	592	7.3150	1.31
596	8.0000	-.62	621	7.6850 s	-3.07	826	7.5600 s	-4.02	870	2.4564	-.29	265	7.1500	1.16
834	8.0000	-.62	618	7.6545 s	-3.34				164	2.4500	-.31	357	7.1500	1.13
049	8.0000	-.62	807	7.6450 s	-3.36	--	Method 008.02	--	653	2.4200	-.35	294	7.1500	1.13
598	8.0000	-.64				675	3.4850	1.38	510	2.4500	-.42	354	6.7700	.71
242	8.0000	-.64	--	Method 005.01	--	038	3.4050	1.03	413	2.4000	-.44	106	6.2750	.17
723	8.0000	-.64	646	8.1400	-.71	869	3.3400	.79	581	2.3300	-.56	083	6.2200	.14
623	7.9885	-.71				098	3.3100	.62	294	2.1850	-.84	Avg	6.1163	
706	7.9900	-.76	--	Method 005.02	--	187	3.2950	.57	026	2.1300 X	-.98	653	6.0850	-.03
205	7.9815	-.76	610	8.2300	.71	868	3.2600	.47	160	1.9450	-1.40	049	5.9450	-.23
033	7.9750	-.81				045	3.2000	.44	686	1.8950	-1.53	581	5.7800	-.38
541	7.9750	-.81	--	Method 005.11	--	226	3.2500	.41	646	1.5000	-2.26	870	5.4739	-.73
782	7.9700	-.85	297	8.3200	1.31	148	3.1800	.07				646	5.3550 R	-.88
027	7.9700	-.86	Avg	7.9333		Avg	3.1679		--	Method 008.99	--	686	5.2750	-.92
808	7.9650	-.89	679	7.7600	-.56	353	3.0800	-.60	720	12.785 s	29.80	037	5.2700	-.92
051	7.9800	-.90	868	7.7200	-.69	309	3.0550	-.92	307	2.7500	1.67	160	5.1850	-1.02
175	7.9600	-.93	178	7.4000 S	-1.75	504	2.9200	-1.06	297	2.6600	.31	413	5.1500	-1.05
670	7.9600	-.93	731	7.3400 S	-1.92	405	2.9150	-1.08	610	2.6000	.29	164	5.1000	-1.11
855	7.9550	-.96	588	7.0550 S	-2.85	728	2.6550	-2.27	Avg	2.5900		278	4.9000	-1.33
144	7.9500	-1.00	867	6.7700 S	-3.76	619	1.7800 s	-5.87	613	2.3500	-.72			
616	7.9500	-1.01	665	6.5450 S	-4.49	035	1.7400 s	-6.04				--	Method 009.99	--
763	7.9500	-1.04	713	6.4450 S	-4.82				--	Method 009.04	--	868	15.980 S	6.14
650	7.9750 R	-1.08	631	6.2400 S	-5.47	--	Method 008.05	--	504	7.2450	.71	613	8.7750	1.24
520	7.9400	-1.10	720	2.3000 s	-18.20	265	3.5000	.71				Avg	6.9583	
121	7.9255	-1.18							--	Method 009.07	--	610	6.3500	-.51
661	7.9150	-1.27	--	Method 005.99	--	--	Method 008.08	--	675	8.1050	1.87	619	5.7500	-.83
425	7.9100	-1.30	652	8.5000	2.06	278	3.5500 R	2.11	309	7.6750	1.35			
689	7.9050	-1.34	727	8.3145	.91	592	3.3450	1.56	307	6.9000	.43	--	Method 010.03	--
814	7.9050	-1.34	866	8.3050	.76	354	3.3350	1.54	226	6.8000	.31	843	9.6850	1.47
853	7.9000	-1.38	628	8.2850	.60	001	3.2250	1.32	297	6.5800	.08	027	7.8050	.16
309	7.8950	-1.42	096	8.2500	.49	083	3.1150	1.10	Avg	6.5640		Avg	7.6138	
169	7.8850	-1.49	861	8.2200	.32	693	2.9850	.89	693	6.4200	-.43	826	6.5350	-.76
045	8.0000 R	-1.64	673	8.2000	.06	106	2.9650	.79	045	5.9500	-.80	546	6.4300	-.85
065	7.8625	-1.66	Avg	8.1900		037	2.9350	.73	187	5.8000	-.93			
001	7.8600 R	-1.88	536	8.1700	-.18	357	2.9000	.64	353	5.7100	-1.04			

* 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 010.11	--	--	Method 011.01	--	--	Method 011.01	--	--	Method 011.99	--	--	Method 012.99	--
720	10.295	2.42	794	10.250	1.34	100	9.7200	.05	588	24.075 S	.00	619	46.500 S	6.88
553	9.1600	1.28	205	10.230	1.28	Avg	9.7191					868	36.680	.71
731	8.4900	.61	623	10.127	1.06	620	9.6894	-.08	--	Method 012.00	--	Avg	36.680	
297	8.0100	.13	541	10.090	1.04	808	9.6650	-.19	689	30.950	1.34			
679	7.9000	.06	407	10.105	.98	226	9.6500	-.21	354	29.675	.80	--	Method 013.02	--
Avg	7.8755		164	10.095	.95	723	9.6600	-.29	178	29.300	.64	015	6.6100 s	2.68
868	7.5500	-.33	828	10.095	.95	675	9.5850	-.34	Avg	27.764		843	6.0350	1.36
178	7.5000	-.39	814	10.040	.86	763	9.5700	-.40	869	25.860	-.80	807	5.9950	1.23
588	7.4100	-.47	511	10.035	.80	563	9.5845	-.41	559	25.750	-.85	676	5.9860	1.22
867	7.3800	-.50	834	10.035	.80	033	9.5550	-.42	567	25.050	-1.14	100	5.9700	1.19
038	7.1865	-.70	728	10.020	.76	848	9.5100	-.56	673	23.950 R	-1.62	826	5.8650	.98
631	7.0050	-.89	171	9.9750	.71	843	9.5000	-.58				763	5.8450	.95
713	6.6200	-1.26	807	9.9900	.68	175	9.5000	-.61	--	Method 012.01	--	682	5.8150	.90
			748	9.9900	.68	870	9.4868	-.61	096	24.350	.73	814	5.7400	.75
--	Method 010.99	--	208	9.9800	.66	132	9.4700	-.68	676	24.150	.59	794	5.6315	.53
305	10.100	2.48	520	9.9600	.62	298	9.3500	-.93	Avg	23.582		029	5.5500	.47
008	9.9000 R	2.23	350	9.9635	.61	660	9.3500	-.96	686	22.245	-1.27	164	5.5800	.45
852	9.0000	.97	148	9.9600	.61	062	9.3770 R	-1.02				553	5.5050	.30
652	8.7500	.64	119	9.9500	.58	021	9.3000	-1.07	--	Method 012.03	--	830	5.4950	.27
716	8.6000	.43	233	9.9000	.58	160	9.3350	-1.07	297	23.915	.37	051	5.4850	.26
869	8.5700	.39	098	9.9100	.51	650	9.2700	-1.18	Avg	23.658		748	5.4400	.16
673	8.4500	.23	573	9.8750	.46	859	9.1650	-1.40	098	23.400	-1.17	650	5.4300	.15
032	8.4500	.23	596	9.9000	.45	265	9.1500	-1.44				675	5.3950	.13
529	8.3400	.07	782	9.8076	.41	051	9.2400 R	-1.46	--	Method 012.04	--	Avg	5.3560	
Avg	8.2877		622	9.8000	.41	354	9.1100	-1.53	106	30.400	2.03	823	5.3000	-.11
613	8.2500	-.09	229	9.8600	.36	552	9.1050	-1.54	Avg	24.388		354	5.3000	-.13
866	8.1310	-.21	621	9.8550	.35	598	9.1000	-1.56	353	24.180	-.09	828	5.3250	-.17
168	8.1100	-.25	823	9.8500	.35	674	9.1050 R	-1.66	160	23.605	-.26	808	5.2950	-.19
628	7.6150	-.92	855	9.8450	.33	574	9.0400	-1.71	278	23.600	-.27	229	5.3000	-.22
164	7.5750	-.97	309	9.8450	.32	646	9.0100	-1.78	038	23.240	-.39	208	5.2600	-.24
712	7.3550	-1.28	358	9.7950	.31	152	8.9000	-2.06	510	21.300	-1.04	148	5.1850	-.33
536	7.0200	-1.73	144	9.8200	.28	034	8.7700	-2.39				834	5.1350	-.43
			706	9.8000	.21	294	8.7200	-2.51	--	Method 012.11	--	026	5.1000	-.51
--	Method 011.01	--	682	9.7350	.19	865	8.9150 s	-2.97	713	25.145	1.14	853	5.1650 R	-.71
643	11.400 s	4.26	830	9.7800	.18	194	8.2650 A	-3.66	178	21.650	.40	033	4.9450	-.80
242	10.710	2.49	687	9.7500	.15	651	5.1120 s	-16.19	731	20.830	.22	353	4.6900	-1.33
510	10.400	1.73	539	9.7400	.14				Avg	19.825		855	4.4250	-1.80
738	10.315	1.50	831	9.7700	.13				679	19.690	-.05	616	4.0450	-2.54
559	10.245	1.34	670	9.7550	.10				720	11.810	-1.72	013	3.9700	-2.68

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
-- Method 013.02 --			-- Method 015.00 --			-- Method 018.02 --			-- Method 019.01 --			-- Method 019.05 --		
831 3.3150 s	-3.98		520 159.00 R	3.70		021 0.1650	1.15		505 0.9850	.27		003 1.0550	1.94	
			616 134.50	1.48		Avg 0.1341			354 0.9800	.11		004 1.0530	1.88	
-- Method 013.08 --			560 131.50	1.22		154 0.1200	-.64		Avg 0.9757			610 1.0450	1.79	
510 4.1500	-.71		154 125.00	.66		011 0.1173	-.87		588 0.9735	-.06		413 1.0350	1.44	
			169 122.50	.48					563 0.9739	-.06		226 1.0300	1.34	
-- Method 013.10 --			011 122.21	.41		-- Method 019.00 --			013 0.9740	-.09		019 0.9850 R	1.13	
160 6.1050	1.87		164 118.50	.32		623 1.1148 R	2.37		350 0.9650	-.31		407 1.0200	1.07	
843 6.0350	1.74		353 118.70	.10		716 1.1000	2.14		670 0.9720	-.38		051 1.0150	.96	
656 5.5950	1.04		Avg 117.57			651 1.0035	.77		233 0.9750	-.39		512 1.0073	.93	
652 5.1500	.33		049 112.62	-.61		620 0.9843	.50		731 0.9600	-.41		029 1.0130	.90	
539 5.0350	.16		345 106.70	-1.01		679 0.9750	.37		868 0.9705	-.43		598 1.0110	.85	
660 5.0200	.14		510 102.00	-1.36		194 0.9650	.23		205 0.9615	-.44		294 1.0000	.63	
Avg 4.9449			021 99.000	-1.62		Avg 0.9623			169 0.9550	-.55		520 1.0000	.58	
673 4.9000	-.17					552 0.9400	-.13		536 0.9510	-.64		358 0.9800	.50	
613 4.9250	-.20		-- Method 016.00 --			849 0.9350	-.22		178 0.9600	-.66		100 0.9950	.47	
688 4.8000	-.28		619 0.1945	.71		681 0.9300	-.31		152 0.9500	-.67		425 0.9950	.47	
353 4.6250	-.51					622 0.8955	-.76		650 0.9500	-.85		098 0.9900	.33	
096 4.5900	-.65		-- Method 016.02 --			621 0.8950	-.85		208 0.9435	-.86		074 0.9900	.33	
610 4.3500	-.96		154 0.2500	.00		647 0.8200 S	-1.86		139 0.9380	-.98		049 0.9800	.26	
062 4.1135	-1.31								142 0.9350	-1.07		860 0.9800	.26	
653 3.9850	-1.51		-- Method 017.00 --			-- Method 019.01 --			026 0.9350 X	-1.07		164 0.9850	.24	
845 3.6750 S	-2.43		353 11.875 s	4.07		065 5.1401 s	154.21		039 0.9341	-1.09		628 0.9850	.24	
			049 10.530	1.96		609 1.2450 s	7.02		108 0.9600 R	-1.12		229 0.9850	.24	
-- Method 013.12 --			345 9.4300	.35		687 1.0700	2.47		001 0.9400	-1.12		Avg 0.9765		
720 5.8500	.97		510 9.4800	.21		646 1.0400	1.67		038 0.9320	-1.14		148 0.9735	-.08	
588 5.2900	.27		Avg 9.3600			504 1.0300	1.44		631 0.9250	-1.33		171 0.9750	-.13	
Avg 5.0983			045 9.2500	-.30		018 1.0250	1.29		175 0.9250	-1.38		208 0.9705	-.15	
731 4.1550	-1.22		560 9.1850	-.42		723 1.0250	1.29		305 0.9000	-1.97		298 0.9700	-.29	
			358 9.0750	-.50		674 0.9850 R	1.20		596 0.9750 R	-3.26		083 0.9650	-.31	
-- Method 013.13 --			693 8.5700	-1.40		619 1.0200	1.18		036 0.5483 s	-16.14		026 0.9650	-.31	
581 5.1400	-.71					010 1.0150	1.10					011 0.9619	-.40	
			-- Method 017.99 --			653 1.0155	1.05		-- Method 019.03 --			265 0.9600	-.41	
-- Method 013.99 --			307 10.700	.71		307 1.0100	1.03		307 1.0350	1.00		168 0.9560	-.51	
628 6.3600	.87					656 1.0050	1.00		036 1.0276	.49		405 0.9550	-.54	
Avg 5.6050			-- Method 018.01 --			033 1.0050	.77		686 1.0200	.39		682 0.9550	-.64	
689 4.8500	-.87		868 0.4370	.71		675 1.0050	.77		Avg 1.0106			865 0.9450	-.78	
						612 0.9950	.52		026 0.9600	-1.45		242 0.9450	-.78	
						263 0.9943	.49					695 0.9400	-.90	
						720 0.9850	.27					550 0.9375	-1.06	

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 019.05	--	--	Method 019.09	--	--	Method 020.99	--	--	Method 022.01	--	--	Method 022.03	--
661	0.9250	-1.27	106	0.9490	-.38	675	7.3450	.86	350	328.50	.56	Avg	298.24	
685	0.9200	-1.39	366	0.9450	-.45	Avg	6.3875		208	323.00	.34	297	293.50	-.19
511	0.9250	-1.41	186	0.9425	-.49	616	5.4300	-.87	653	314.65	.25	083	293.00	-.21
297	0.9100	-1.65	309	0.9335	-.61				868	318.20	.18	148	291.25	-.26
144	0.8950	-2.01	357	0.9150	-.89	--	Method 021.01	--	628	315.50	.05	029	294.65	-.34
553	0.8905	-2.15	848	0.9100	-.96	596	497.50 s	647.20	Avg	314.11		171	288.00	-.37
089	0.7700 s	-5.08	154	0.9073	-1.00	628	3.5000 S	2.73	689	313.15	-.14	511	287.00	-.40
			187	0.9030	-1.07	619	2.4450	1.28	590	312.10	-.15	553	280.50	-.70
--	Method 019.08	--	278	0.9300 R	-1.12	Avg	1.4650		731	305.00	-.34	407	274.00	-.86
590	1.2450 S	1.42	345	0.8950	-1.19	164	1.0500	-.55	175	312.00	-.38	695	269.71	-1.01
629	1.0900	.34	037	0.8710	-1.55	689	0.9000	-.75	536	303.90	-.38	004	266.50	-1.12
673	1.0750	.25	693	0.8600	-1.77				178	309.00	-.52	049	260.58	-1.34
Avg	0.9913		616	0.8415	-2.01	--	Method 021.02	--	307	291.10	-.89	598	259.50	-1.40
849	0.9550	-.61				510	1.9350 s	5.30	619	289.00	-.93	003	258.00	-1.42
729	0.8450	-1.39	--	Method 019.99	--	567	1.2150	1.18	588	281.50	-1.20	550	254.75	-1.54
			588	1.4745 S	6.31	171	1.2000	1.05	505	284.00 R	-1.34	405	240.50	-2.04
--	Method 019.09	--	047	1.1000	1.64	038	1.1500	.81	720	231.26	-3.06			
002	1.1150	2.14	Avg	0.9684		029	1.1450	.80	646	210.85 s	-3.82	--	Method 022.05	--
510	1.0950	1.82	852	0.9550	-.18	616	1.0950	.51				160	405.75 s	4.35
160	1.0935	1.79	692	0.9550	-.18	021	1.0300	.07	--	Method 022.03	--	027	365.39	2.01
027	1.0555	1.24	121	0.9670	-.24	Avg	1.0184		226	363.50 R	2.40	038	363.00	1.88
199	1.0400	.99	665	0.8650	-1.30	154	1.0000	-.11	208	341.50	1.53	294	355.04	1.41
028	1.0200	.74				169	0.9300	-.51	051	340.50	1.50	096	350.00	1.26
017	1.0200	.68	--	Method 020.00	--	106	0.9285	-.52	026	339.50	1.46	353	348.05	1.01
726	1.0145	.60	164	2.4000	.71	560	0.8865	-.77	011	338.82	1.44	309	345.50	.94
869	1.0125	.57				011	0.9712 R	-.82	265	331.00	1.25	021	345.50	.89
613	1.0100	.55	--	Method 020.01	--	572	0.6220	-2.30	358	331.21	1.21	560	345.00	.87
009	1.0070	.49	096	6.0000	1.09	693	0.4500 s	-3.31	610	327.00	1.02	613	343.50	.79
042	0.9995	.48	154	5.7000	.85				512	317.65 R	.96	413	336.00	.32
190	1.0000	.41	567	5.5800	.77	--	Method 021.99	--	520	324.00	.91	869	334.00	.23
096	0.9950	.32	021	5.5500	.75	610	1.0000	.00	074	316.50	.74	190	333.77	.19
567	0.9850	.27	510	4.6500	.01				229	317.50	.68	106	332.50	.15
045	0.9800	.17	Avg	4.6482		--	Method 022.01	--	425	308.95	.38	567	330.50	.03
560	0.9775	.08	560	3.6250	-.86	038	350.00	1.33	629	306.50	.35	Avg	330.47	
021	0.9775	.07	011	3.5305	-.91	674	349.78	1.32	164	305.50	.26	045	328.00	-.14
Avg	0.9744		171	2.5500 X	-1.69	013	347.50	1.27	100	304.50	.23	278	326.80	-.24
572	0.9630	-.26				504	336.15	.82	098	301.00	.10	199	326.00	-.28
353	0.9650	-.26				675	334.08	.76	682	298.90	.07	357	325.00	-.32
038	0.9565	-.30				716	331.00	.62	242	299.50	.05	187	330.38	-.36

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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 025.99	--	--	Method 027.01	--
009	324.79	-.37	689	801.15	-.20	598	792.00	-1.25	121	882.06	.88	175	0.1900	-1.16
572	323.00	-.43	307	803.50	-.21	553	789.50	-1.31	Avg	833.28		263	0.1774	-1.53
510	322.50	-.47	596	770.50 R	-1.35	407	754.50	-2.05	692	784.50	-.85	504	0.1730	-1.68
616	324.00	-.47	716	684.50	-1.45	003	646.50 s	-4.38				536	0.0132 s	-6.96
037	323.00	-.49	675	666.17	-1.64	405	633.00 s	-4.67	--	Method 026.00	--			
042	322.00 R	-.80	504	641.05	-1.91				154	2.1550	.77	--	Method 027.03	--
154	307.50	-1.32	505	364.00 s	-4.88	--	Method 025.05	--	567	2.0850	.66	004	0.2965	1.71
366	307.00	-1.37				038	975.50	2.31	610	2.0000	.36	550	0.2925	1.59
186	306.00	-1.41	--	Method 025.03	--	510	921.50	1.54	689	2.0000	.36	074	0.2900	1.49
345	305.80	-1.44	265	1085.5 s	5.26	366	917.50	1.48	Avg	1.8623		598	0.2809	1.20
726	304.05	-1.52	051	957.50	2.41	045	858.00	.63	866	1.8490	-.28	425	0.2750	1.02
169	302.50	-1.62	520	950.50	2.26	037	852.50	.59	868	1.0850	-2.03	520	0.2750	1.02
693	303.50 R	-1.67	550	903.53 R	1.40	199	853.50	.58				051	0.2750	1.02
			074	907.50	1.24	096	850.00	.52	--	Method 026.99	--	003	0.2750	1.02
--	Method 022.99	--	208	900.00	1.10	413	829.50	.22	011	1.9390	.84	682	0.2750	1.02
692	335.50	.73	029	890.00	.94	021	824.50	.17	Avg	1.6920		610	0.2650	.70
121	331.81	.57	610	884.50	.78	560	815.00	.16	619	1.4450	-.89	098	0.2550 R	.60
Avg	321.82		171	883.00	.72	869	822.50	.15				100	0.2600	.52
866	298.15	-1.28	242	868.00	.40	294	820.96	.11	--	Method 027.01	--	242	0.2600	.52
596	128.50 S	-10.30	229	868.00	.39	Avg	813.97		650	0.2694	1.51	407	0.2570	.43
			682	857.72	.31	567	792.00	-.41	596	0.2550 R	1.33	171	0.2555	.40
--	Method 023.01	--	049	856.49	.16	693	788.50	-.41	065	0.2630	1.30	511	0.2550	.39
619	0.0010	.00	629	850.50	.12	190	768.76	-.65	731	0.2610	1.24	413	0.2500	.20
			Avg	849.80		160	783.90 R	-.70	139	0.2582	1.14	083	0.2500	.20
--	Method 024.01	--	425	847.85	-.04	309	765.00	-.76	675	0.2500	.87	144	0.2450	.17
208	2.6950	-.71	004	847.50	-.05	616	761.50 R	-.93	628	0.2500	.87	Avg	0.2439	
			011	846.79	-.10	106	747.00	-.96	720	0.2450	.73	695	0.2400	-.13
--	Method 025.01	--	098	848.50	-.10	169	735.00	-1.13	307	0.2350 R	.62	405	0.2350	-.33
720	969.40	1.60	083	843.00	-.18	154	721.50	-1.32	619	0.2365	.43	164	0.2350	-.33
350	935.50	1.24	148	839.25	-.23	613	721.50	-1.32	142	0.2350	.41	229	0.2300	-.45
656	924.00	1.13	100	844.50	-.23	726	713.10	-1.44	868	0.2340	.34	029	0.2280	-.54
208	870.50	.55	026	835.00	-.45	042	528.50 S	-4.12	Avg	0.2236		049	0.2250	-.64
628	850.50	.33	358	835.90	-.48	353	451.95 S	-5.17	038	0.2160	-.26	011	0.2240	-.65
175	848.50	.32	511	825.50	-.56	345	452.00 S	-5.17	169	0.2150	-.33	208	0.2220	-.71
038	835.00	.17	226	812.00	-.82	187	429.01 S	-5.52	505	0.2100	-.45	358	0.2150	-.95
670	828.30	.09	695	811.52	-.83	278	143.00 s	-9.59	208	0.2090	-.49	148	0.2115	-1.05
Avg	819.63		297	802.50	-1.02				588	0.1955	-.93	026	0.2090	-1.13
868	816.90	-.04	144	794.70	-1.23				609	0.1950	-.96	265	0.2100	-1.15
619	819.50	-.13	164	812.50 R	-1.24				350	0.1900	-1.11	553	0.2070	-1.20

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 027.03	--	--	Method 028.01	--	--	Method 028.03	--	--	Method 028.05	--	--	Method 031.01	--
226	0.1950	-1.60	646	593.22 s	45.08	171	155.50	.27	Avg	158.17		629	0.7400	.52
297	0.1950	-1.60	536	271.48 s	12.60	100	153.50	.24	106	157.00	-.11	169	0.7400	.52
294	0.1800	-2.07	596	164.50	1.75	Avg	153.10		357	156.50	-.16	670	0.7400	.52
			038	162.00	1.49	358	152.94	-.03	353	156.25	-.20	018	0.7390	.50
--	Method 027.05	--	208	160.00	1.29	011	152.57	-.09	009	156.07	-.22	620	0.7384	.47
616	0.3065 s	8.11	868	157.35	1.02	083	151.50	-.21	021	156.00	-.41	622	0.7373	.41
038	0.2115	2.18	731	153.50	.68	242	149.50	-.34	869	153.45	-.45	619	0.7350	.37
560	0.2110	2.14	720	150.71	.35	297	149.00	-.40	186	154.50	-.60	036	0.7326	.22
357	0.1900	1.03	590	148.65	.22	148	148.40	-.44	613	150.50	-.69	651	0.7315	.18
154	0.1922	.96	588	149.00	.20	004	147.50	-.53	187	149.24	-.81	Avg	0.7272	
869	0.1880	.69	Avg	147.29		049	146.99	-.69	154	149.00	-.85	139	0.7265	-.07
199	0.1850	.59	307	145.50	-.19	226	145.00	-.81	278	148.00	-.92	563	0.7272	-.11
009	0.1841	.45	656	147.00	-.33	511	144.00	-.86	572	157.00 R	-1.18	205	0.7235	-.16
572	0.1835	.41	178	143.50	-.46	144	146.35	-.92	693	143.00	-1.37	849	0.7250	-.22
045	0.1830	.37	689	142.85	-.46	598	142.50	-1.00	567	145.00	-1.39	026	0.7250	-.22
160	0.1826	.37	350	140.50	-.70	553	139.00	-1.41	169	139.00	-1.73	675	0.7200	-.29
613	0.1800	.19	629	137.75	-.97	695	133.74	-1.82	629	133.50	-2.23	354	0.7200	-.29
Avg	0.1770		675	134.15	-1.33	407	133.00	-1.89				233	0.7200	-.29
567	0.1750	-.34	175	134.00	-1.36	405	99.000 s	-5.09	--	Method 028.99	--	588	0.7155	-.47
278	0.1750	-.34	619	133.00	-1.50				121	159.32	1.11	609	0.7200	-.50
042	0.1730	-.40	504	108.50 S	-3.93	--	Method 028.05	--	Avg	156.41		001	0.7155	-.52
510	0.1700	-.44	505	106.00 S	-4.17	616	309.50 s	13.66	692	153.50	-.52	175	0.7150	-.53
366	0.1700	-.44				160	186.60	2.57	848	0.6650 S	-24.83	848	0.7150	-.53
309	0.1760	-.57	--	Method 028.03	--	294	176.64	1.67				656	0.7250	-.61
186	0.1660	-.72	550	183.78 s	2.98	726	172.60	1.30	--	Method 031.01	--	716	0.7250	-.61
021	0.1655	-.75	051	182.00	2.72	510	169.50	1.02	665	0.7900	2.54	596	0.7250	-.61
345	0.1650	-.82	520	168.50	1.57	366	168.00	.90	687	0.7850	2.34	728	0.7100	-.69
106	0.1625	-.91	026	168.50	1.45	045	166.50	.90	647	0.7550 R	1.81	723	0.7100	-.80
353	0.1750 R	-.95	265	164.50 R	1.40	096	165.00	.76	679	0.7650	1.54	065	0.7067	-.83
096	0.1600	-1.07	208	165.00	1.13	309	160.00	.74	194	0.7650	1.54	623	0.7095	-.83
037	0.1520	-1.57	003	165.00	1.13	027	164.78	.63	152	0.7600	1.32	039	0.7062	-.86
187	0.1475	-1.85	610	159.50	.60	037	164.50	.61	674	0.7500 R	1.22	868	0.7065	-.89
693	0.1700 R	-1.93	229	158.00	.50	345	162.70	.44	350	0.7550	1.14	142	0.7000	-1.10
			029	153.75	.43	413	159.50	.42	263	0.7544	1.10	038	0.6980	-1.18
--	Method 027.99	--	098	157.00	.41	042	161.00	.27	626	0.7450	.75	511	0.6900	-1.50
692	0.1500	.00	074	156.50	.40	038	159.00	.20	731	0.7450	.75	621	0.6900 R	-1.71
			682	156.09	.35	190	160.26	.19	653	0.7395	.68	646	0.6850	-1.72
			164	156.00	.29	628	159.00	.12	650	0.7400	.66	689	0.6800	-1.91
			425	156.10	.28	560	159.00	.12	178	0.7400	.52	305	0.6700	-2.31

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
-- Method 031.01 --			-- Method 031.05 --			-- Method 031.05 --			-- Method 032.01 --			-- Method 032.05 --		
108	0.7150 s	-3.07	869	0.7360	.50	297	0.6800	-.83	208	1.2050	.81	208	1.2270	1.02
			682	0.7350	.49	572	0.6815	-.83	619	1.1600 R	.59	242	1.2250	.99
-- Method 031.02 --			520	0.7350	.49	002	0.6810	-.83	205	1.1850	.53	358	1.2000	.95
011	0.7477	.80	226	0.7350	.49	106	0.6775	-.89	175	1.1800	.48	413	1.2200	.93
Avg	0.7413		425	0.7350	.49	345	0.6750	-.95	098	1.1550	.13	038	1.2150	.87
505	0.7350	-.92	567	0.7250	.43	553	0.6685 R	-1.21	038	1.1550	.13	567	1.2100	.83
			083	0.7300	.36	550	0.6620	-1.26	Avg	1.1473		051	1.1950	.67
-- Method 031.03 --			199	0.7250	.27	407	0.6550	-1.43	065	1.1424	-.08	278	1.1900	.65
036	0.7274	.84	628	0.7250	.27	848	0.6450	-1.66	609	1.1200	-.41	613	1.2000	.63
504	0.7265	.82	049	0.7250	.27	186	0.6340	-1.95	350	1.1050	-.60	682	1.1950	.57
026	0.7250	.81	298	0.7200	.27	278	0.6300	-2.03	307	1.1450 R	-.63	199	1.1800	.38
Avg	0.7211		726	0.7224	.18	693	0.6350 S	-2.18	670	1.1055	-.63	229	1.1800	.38
307	0.7150	-1.00	021	0.7215	.16	009	0.6220	-2.21	142	1.1000	-.66	309	1.1690	.36
208	0.7115	-1.22	121	0.7180	.16	616	0.6065	-2.58	650	1.0900	-.81	425	1.1800	.35
			100	0.7200	.12	187	0.6059	-2.59	628	1.0700	-1.09	021	1.1800	.35
-- Method 031.05 --			242	0.7200	.12	037	0.5545 s	-3.81	868	1.0650	-1.17	695	1.1700	.25
160	0.8370	2.90	613	0.7150	.12				139	1.0595	-1.23	100	1.1600	.16
405	0.7750	1.47	661	0.7150	.12	-- Method 031.06 --			675	1.0550	-1.29	510	1.1650	.16
358	0.7750	1.43	865	0.7150	.12	536	0.7000	.71				869	1.1630	.12
096	0.7700	1.31	695	0.7150	.12	Avg	0.7000		-- Method 032.02 --			Avg	1.1553	
598	0.7658	1.21	Avg	0.7148		686	0.5950 S	-7.50	665	1.2700	1.67	083	1.1550	-.07
512	0.7646	1.18	148	0.7140	-.03				169	1.1350	.35	026	1.1550	-.07
051	0.7600	1.10	003	0.7100	-.12	-- Method 031.99 --			588	1.1260	.26	106	1.1450	-.16
510	0.7550	.96	045	0.7075	-.17	729	0.8150	1.82	Avg	1.0998		009	1.1475	-.20
164	0.7550	.96	610	0.7100	-.26	852	0.7500	.48	536	1.0730	-.30	164	1.1550	-.21
413	0.7550	.96	171	0.7100	-.26	552	0.7300	.22	731	1.0450	-.54	148	1.1460	-.23
685	0.7550	.96	265	0.7100	-.26	673	0.7300	.07	108	0.9500	-1.46	011	1.1380	-.26
029	0.7522	.95	357	0.7000	-.35	Avg	0.7264					154	1.1311	-.35
074	0.7450 R	.93	004	0.6990	-.38	590	0.7200	-.13	-- Method 032.05 --			407	1.1300	-.36
208	0.7535	.92	154	0.7032	-.42	692	0.6800	-.94	405	1.7300 s	8.17	171	1.1300	-.39
309	0.7480	.86	028	0.7050	-.43	047	0.6600	-1.41	160	1.3251	2.47	049	1.1250	-.44
089	0.7500	.84	366	0.6950	-.49	631	0.5550 S	-3.48	693	1.1750 R	1.80	003	1.1250	-.44
560	0.7495	.82	190	0.6950	-.49	588	0.5225 S	-4.14	610	1.2750	1.71	297	1.1250	-.44
098	0.7450	.80	168	0.6910	-.60				294	1.2750	1.70	042	1.1350	-.46
038	0.7475	.78	353	0.6900	-.64	-- Method 032.01 --			226	1.2750	1.70	511	1.1350	-.46
027	0.7450	.73	042	0.6925	-.69	596	1.3000	2.13	096	1.2500	1.52	045	1.1200	-.50
860	0.7450	.73	017	0.6900	-.76	505	1.2700	1.72	572	1.2150	1.15	598	1.1195	-.51
229	0.7400	.60	144	0.6800	-.83	004	1.2220	1.06	366	1.2350	1.15	029	1.1085	-.69
019	0.7150 R	.59	294	0.6800	-.83	720	1.2150	.95	560	1.2250	1.11	353	1.1500	-.71

* 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 033.00	--	--	Method 033.01	--	--	Method 034.04	--	--	Method 035.00	--
357	1.1050	-.72	731	0.8500	-.43	011	0.8774	-1.28	208	1.0700	1.64	065	0.3779	-.08
144	1.1050	-.72	693	0.8350	-.66	650	0.8600	-1.97	512	0.9440	.88	205	0.3760	-.14
520	1.1000	-.78	689	0.8250	-.79	106	0.8470	-2.50	171	0.9100	.62	038	0.3755	-.17
186	1.0950	-.88	511	0.8050	-1.04	674	0.8250 s	-3.65	610	0.8895	.48	208	0.3755	-.18
553	1.0650	-1.28	716	0.7850	-1.33				Avg	0.8162		233	0.3650	-.49
187	1.0600	-1.36	588	0.7800	-1.36	--	Method 033.03	--	164	0.7400	-.49	152	0.3650	-.49
616	1.0650	-1.50	407	0.7500	-1.76	265	0.9550	.99	619	0.6810	-.87	656	0.3550 R	-.89
345	1.0600	-1.53	679	0.7000 S	-2.41	505	0.9400	.74	169	0.6750	-.91	142	0.3500	-.92
037	1.0250	-1.88	868	0.6965 S	-2.46	726	0.9400	.74	175	0.6200	-1.27	139	0.3430	-1.13
550	1.0220	-1.89				598	0.9200	.21				305	0.3400	-1.22
265	1.0200	-1.97	--	Method 033.01	--	Avg	0.9075		--	Method 034.05	--	675	0.3250	-1.68
629	1.0100	-2.07	610	0.9900 s	3.33	144	0.8900	-.34	693	2.4900 S	17.47	175	0.3250	-1.68
			686	0.9685	2.37	848	0.8000	-1.80	682	2.4200 S	12.37			
--	Method 032.99	--	026	0.9500 R	2.02				560	1.0700	1.28	--	Method 035.01	--
692	1.1250	.71	413	0.9400	1.23	--	Method 033.05	--	Avg	0.9153		686	0.3835	.71
			307	0.9350	1.19	171	0.9300	.71	553	0.8415	-.64			
--	Method 033.00	--	164	0.9350	1.19				154	0.8345	-.67	--	Method 035.03	--
695	3.2600 s	31.40	205	0.9315	.89	--	Method 033.99	--				187	1.3050 s	46.14
723	1.0250	1.88	096	0.9250	.87	681	1.1200 S	1.83	--	Method 034.99	--	029	0.6134 s	12.05
539	1.0000	1.55	629	0.9250	.66	596	1.0700 S	1.43	047	1.2300	1.10	407	0.4945 s	6.12
353	0.9650	1.14	425	0.9150	.64	869	1.0450	1.12	508	0.9526	.35	160	0.4284 A	2.91
685	0.9600	1.03	175	0.9200	.59	003	1.0300	.96	096	0.8500	.15	003	0.4100	1.95
297	0.9600	1.02	098	0.9150	.30	190	0.9750	.46	Avg	0.8344		242	0.4050	1.72
366	0.9450	.83	021	0.9150	.30	019	0.9650	.41	190	0.3050	-1.47	096	0.4000	1.46
017	0.9250 R	.73	229	0.9150	.30	358	0.9700	.40				413	0.4000	1.46
298	0.9300	.64	510	0.9100	.03	Avg	0.9144		--	Method 035.00	--	695	0.4000	1.46
208	0.9310	.64	178	0.9100	.03	673	0.9150	-.15	505	0.4600 S	2.43	100	0.3900	.96
045	0.9150	.43	199	0.9100	.03	121	0.9230	-.17	596	0.4400 R	1.90	229	0.3900	.96
849	0.9150	.43	278	0.9100	.03	552	0.9100	-.20	868	0.4425	1.88	051	0.3900	.96
169	0.9100	.38	Avg	0.9093		861	0.8700	-.61	609	0.4100	.89	405	0.3880	.87
567	0.9000	.23	100	0.9050	-.26	855	0.8300	-.99	650	0.4000	.59	358	0.3850	.76
675	0.8950	.18	194	0.9050	-.26	619	0.8050	-1.21	670	0.3985	.55	298	0.3800	.68
160	0.8900	.10	029	0.9050	-.26	647	0.7350	-1.88	720	0.3950	.47	598	0.3817	.57
Avg	0.8897		042	0.9050	-.26	588	0.2500 s	-6.56	628	0.3950	.47	869	0.3820	.57
016	0.8825	-.02	226	0.9050	-.26				263	0.3942	.42	011	0.3802	.48
504	0.8750	-.12	559	0.9000	-.37	--	Method 034.01	--	619	0.3910	.35	098	0.3800	.47
628	0.8750	-.12	004	0.8950	-.60	038	0.8230	.00	307	0.3850	.21	265	0.3800	.47
309	0.8626	-.28	354	0.8950	-.60				Avg	0.3766		154	0.3734	.39
013	0.8650	-.31	242	0.8800	-1.24				350	0.3800	-.01	038	0.3780	.37

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 035.03	--	--	Method 035.05	--	--	Method 036.03	--	--	Method 037.03	--	--	Method 037.05	--
567	0.3750	.33	560	0.4005	.86	366	0.3100	-.90	029	6596.0	2.61	616	10500 s	14.10
278	0.3750	.33	294	0.4000	.83	309	0.3045	-1.12	019	6142.5 R	2.29	860	6831.3 s	3.68
610	0.3750	.33	169	0.3950	.67	187	0.3027	-1.19	011	6257.1	1.70	027	6369.5	2.37
199	0.3750	.33	716	0.3850	.33	550	0.3015	-1.27	520	5832.0 R	1.43	017	6253.5	2.04
083	0.3750	.33	Avg	0.3777		042	0.2980	-1.39	171	6035.0 X	1.12	106	5910.0	1.06
309	0.3715	.28	588	0.3745	-.13	616	0.2835	-1.95	226	6030.5	1.11	869	5901.5	1.04
Avg	0.3705		171	0.3650	-.51	265	0.2250 s	-4.29	160	5993.0	1.09	413	5695.0 R	.98
613	0.3700	-.03	536	0.3525	-.94	--	Method 036.04	--	685	5971.5	.96	009	5855.9	.91
297	0.3700	-.03	731	0.3220	-2.07	226	0.3400	.00	074	5905.5	.78	045	5825.0	.85
148	0.3685	-.10	--	Method 035.99	--	--	Method 037.01	--	512	5885.0	.78	560	5803.0	.77
208	0.3680	-.16	692	0.3850	.71	612	6056.5	1.75	265	5857.5	.66	613	5729.0	.55
021	0.3670	-.20	Avg	0.3850		013	5920.0	1.25	848	5852.5	.64	096	5600.0	.18
693	0.3650	-.37	588	0.1355 S	-35.29	178	5786.5 R	1.17	229	5815.0	.54	366	5550.0	.15
572	0.3640	-.44	--	Method 036.00	--	868	5810.0	.92	550	5638.9	.53	021	5570.0	.09
164	0.3700	-.49	307	0.3700	1.13	208	5807.5	.88	098	5781.5	.45	199	5547.5	.09
865	0.3600	-.52	Avg	0.3525		628	5765.5	.75	610	5764.0	.42	Avg	5537.0	
353	0.3600	-.52	297	0.3350	-.47	590	5713.5	.61	425	5762.5	.40	190	5517.5	-.06
144	0.3600	-.52	--	Method 036.03	--	001	5660.5	.54	208	5722.0	.33	726	5504.0	-.17
042	0.3630	-.58	560	0.3710	1.54	619	5645.5	.37	026	5655.5	.15	567	5462.0	-.24
045	0.3540	-.82	154	0.3689	1.51	350	5622.5	.29	148	5657.0	.13	510	5384.0	-.45
553	0.3545	-.84	708	0.3675	1.40	175	5550.0	.17	Avg	5607.8		572	5345.0	-.55
049	0.3500	-1.01	160	0.3623	1.19	653	5531.0	.03	629	5570.0	-.11	357	5336.5	-.57
520	0.3600 R	-1.12	510	0.3550	.92	Avg	5530.5		083	5575.0	-.18	278	5312.8	-.67
186	0.3705 R	-1.16	038	0.3545	.90	039	5510.0	-.09	695	5517.9	-.24	028	5292.5	-.70
682	0.3650 R	-1.26	106	0.3485	.66	038	5429.0	-.33	164	5535.0	-.24	294	5293.0	-.70
345	0.3450	-1.28	021	0.3480	.63	307	5517.0	-.35	682	5493.8	-.30	353	5295.0	-.71
661	0.3450	-1.28	278	0.3450	.54	716	5408.0	-.39	049	5453.1	-.56	037	5282.5	-.74
226	0.3500 R	-1.41	169	0.3350	.22	588	5154.0	-1.19	358	5407.5	-.61	345	5155.0	-1.10
550	0.3420	-1.42	294	0.3350	.22	675	5093.1	-1.38	242	5367.0	-.68	186	5230.0 R	-1.20
089	0.3400	-1.51	353	0.3350	.22	731	4984.0	-1.73	100	5343.0	-.71	169	5106.0	-1.22
616	0.3395	-1.54	Avg	0.3325		505	4902.5	-2.01	598	5302.5	-.80	693	4933.5 R	-2.01
510	0.3385	-1.59	045	0.3300	-.10	596	5083.5 R	-2.15	144	5300.3	-.81	154	4761.0	-2.21
511	0.3100	-2.99	345	0.3250	-.36	504	582.30 s	-15.66	511	5155.5	-1.18	309	0.5400 s	-15.73
366	0.2200 s	-7.43	357	0.3250	-.36	--	Method 037.99	--	553	5105.0	-1.33	--	Method 037.99	--
--	Method 035.05	--	186	0.3210	-.46	297	4997.0	-1.62	004	5074.0	-1.39	121	5747.0	1.23
106	0.4910 s	4.21	693	0.3200	-.50	407	4963.5	-1.68	297	4997.0	-1.62	866	5579.7	.59
108	0.4000 R	1.11	--			003	4933.5	-1.76	405	3495.5 s	-5.52	Avg	5433.0	
665	0.4050	1.03	--			405	3495.5 s	-5.52	692	5205.0	-.86	692	5205.0	-.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 037.99 --			-- Method 051.00 --			-- Method 105.00 --			-- Method 109.02 --			-- Method 120.00 --		
047 5200.5		-.95	511 423.00 R		2.20	096 3.4000		.92	560 507.00		1.68	160 1.0263 s		-2.92
			035 412.00		1.26	Avg 2.9600			610 353.00		.64			
-- Method 038.00 --			028 409.00		1.12	160 2.5200		-.81	676 341.60		.56	-- Method 120.05 --		
510 3.7000		2.29	027 399.20		.54				619 328.50		.47	626 1.2200		.82
278 2.7700		1.04	004 398.00		.40	-- Method 105.01 --			208 290.18		.21	Avg 1.1833		
096 2.0000		.01	Avg 391.52			208 4.4800		.85	Avg 258.38			668 1.1500		-.75
Avg 1.9928			148 386.80		-.32	Avg 4.1200			199 212.75		-.31	038 1.1800		-1.12
693 1.7350		-.43	218 386.50		-.35	227 3.7600		-.89	675 210.83		-.32			
154 1.6500		-.46	036 376.50		-.93				563 81.374		-1.20	-- Method 121.00 --		
038 1.5500		-.60	013 364.20		-1.77	-- Method 106.00 --			227 0.2350		-1.75	160 1.5124 R		2.36
029 1.6050		-.61				171 9.2000		.71				571 1.4450		1.11
560 1.5250		-.63	-- Method 051.03 --						-- Method 109.99 --			652 1.4400		1.02
106 1.4000		-.79	010 423.00		1.55	-- Method 106.02 --			096 348.50		.71	644 1.4370		.98
			848 369.83		.22	560 18.100		2.35				227 1.4300		.87
-- Method 038.99 --			Avg 364.00			616 13.250		.92	-- Method 112.00 --			676 1.4165		.75
164 2.0000		.00	033 359.00		-.19	619 13.050		.85	208 13.450		.71	619 1.3850		.15
			017 350.15		-.75	670 12.515 R		.82				Avg 1.3776		
-- Method 039.01 --			001 318.00		-1.21	Avg 10.217			-- Method 113.01 --			350 1.3760		-.18
164 3.5000		.00				227 9.8050		-.13	208 4.0650		.87	675 1.3600		-.29
			-- Method 086.00 --			208 10.190		-.15	Avg 3.5300			504 1.3700		-.35
-- Method 039.02 --			001 38.950		1.08	563 9.6213		-.18	227 2.9950		-.87	868 1.3150		-1.11
021 4.7500		1.45	033 36.200		.51	675 8.8150		-.42				684 1.2960		-1.34
567 4.3200		.47	027 34.520		.03	610 8.3000		-.58	-- Method 114.01 --			859 1.2610		-1.91
154 4.2000		.13	Avg 34.444			004 8.2500		-.59	227 0.5405		.71			
Avg 4.1445			218 28.105		-1.44	096 6.8050		-1.03				-- Method 121.05 --		
011 3.8175		-.83				199 6.2000		-1.20	-- Method 120.00 --			668 1.6200 S		2.32
560 3.6350		-1.22	-- Method 101.01 --						675 1.2650		1.61	038 1.5000		.96
			208 1253.5		.71	-- Method 107.00 --			652 1.2250		.99	Avg 1.4450		
-- Method 040.00 --						208 42.903		1.11	676 1.2285		.95	626 1.3900		-.76
560 3.5850		.71	-- Method 102.01 --			Avg 41.382			571 1.2100		.63			
			208 71.960		-.71	227 39.860		-.53	350 1.1930		.40	-- Method 122.00 --		
-- Method 041.00 --									227 1.1750		.26	652 2.3250		1.27
021 1.5500		.88	-- Method 104.00 --			-- Method 108.01 --			619 1.1800		.12	644 2.3120		1.12
011 1.3738		.49	171 15.950		1.43	096 2.3200		-.71	Avg 1.1733			571 2.3100		1.09
Avg 1.2546			Avg 14.840						684 1.1600		-.23	227 2.2700		.66
154 0.8400		-1.22	227 14.710		-.28	-- Method 108.02 --			644 1.1370		-.63	350 2.2535		.48
			096 14.515		-.72	675 4.4600		.87	504 1.1350		-.71	619 2.2450		.32
			208 14.185		-.92	Avg 3.2345			868 1.1200		-.98	675 2.2200		.02
						208 2.0090		-.86	859 1.0515		-2.11	Avg 2.2184		

* 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 122.00 --			-- Method 125.00 --			-- Method 126.05 --			-- Method 128.00 --			-- Method 130.00 --		
676	2.1930	-.62	868	3.8700	1.62	668	1.1400	.97	859	0.7960	-1.26	652	1.5250	.50
504	2.1700	-.74	619	3.7300	.70	626	1.1100	.32	675	0.7950	-1.29	644	1.5280	.45
684	2.1370	-.97	644	3.6930	.48	Avg	1.1017					619	1.5150	.19
868	2.1200	-1.22	571	3.6900	.47	038	1.0550	-1.20	-- Method 128.05 --			Avg	1.5080	
859	2.0650	-1.82	227	3.6800	.44				626	0.9500	.94	675	1.5050	-.13
160	1.7108 s	-6.04	652	3.6550	.37	-- Method 127.00 --			038	0.9255	.48	227	1.5050	-.13
			350	3.6510	.33	676	0.7555	1.92	Avg	0.9147		858	1.4745	-.87
-- Method 122.05 --			676	3.6315	.15	675	0.7150	1.18	668	0.8685	-1.18	859	1.4540	-1.18
038	2.3500	1.22	Avg	3.6138		160	0.7091	1.09				160	1.4593	-1.54
Avg	2.2017		675	3.6050	-.06	652	0.6950	.68	-- Method 129.00 --			684	1.4120	-2.13
626	2.1350	-.60	684	3.5675	-.28	571	0.6750	.30	160	1.9908	1.30			
668	2.1200	-.81	160	3.5453 R	-.87	Avg	0.6610		676	1.9860	1.24	-- Method 130.01 --		
			504	3.3250	-1.75	644	0.6550	-.12	675	1.9850	1.08	035	1.3650	-.71
-- Method 124.00 --			859	3.2675	-2.09	619	0.6445	-.34	571	1.9450	.40			
652	0.3850	.97				227	0.6400	-.42	227	1.9400	.30	-- Method 130.05 --		
684	0.3845	.93	-- Method 125.05 --			684	0.6160	-.90	Avg	1.9223		723	1.6000	1.07
571	0.3800	.74	038	3.7700	1.22	350	0.6155	-.91	644	1.9165	-.13	626	1.5250	.10
675	0.3700 R	.53	Avg	3.5250		504	0.6200	-.91	652	1.9200	-.18	Avg	1.5195	
619	0.3680	.25	626	3.4500	-.37	859	0.5915	-1.39	684	1.9050	-.30	038	1.5100	-.28
504	0.3650	.24	668	3.3550	-.93				619	1.9000	-.38	668	1.4500	-.93
Avg	0.3623					-- Method 127.05 --			350	1.8840	-.66	027	1.5125	-1.55
350	0.3610	-.10	-- Method 126.00 --			668	0.7795	1.18	504	1.9050	-.83			
644	0.3420	-.84	675	1.1100	1.66	Avg	0.7010		868	1.7900	-2.33	-- Method 130.99 --		
859	0.3125	-2.07	676	1.0855	1.20	626	0.6850	-.25	859	1.7410 s	-3.13	859	0.0985 s	.00
			571	1.0800	1.07	038	0.6385	-1.02						
-- Method 124.02 --			652	1.0700	.90				-- Method 129.05 --			-- Method 131.00 --		
676	0.4020	.85	350	1.0420	.38	-- Method 128.00 --			626	2.0150	1.00	644	0.5930	1.24
Avg	0.3710		619	1.0400	.30	676	0.8970	1.27	038	1.9700	.27	652	0.5800	.92
227	0.3400	-.89	Avg	1.0241		652	0.8950	1.16	Avg	1.9583		571	0.5800	.87
			227	1.0050	-.38	571	0.8950	1.16	668	1.8900	-1.20	675	0.5700	.59
-- Method 124.05 --			504	1.0000	-.60	504	0.8850	1.09				619	0.5680	.54
038	0.4315	1.06	160	0.9912	-.63	644	0.8715	.58	-- Method 130.00 --			684	0.5530	.44
Avg	0.4133		644	0.9940	-.65	619	0.8625	.36	676	1.5870 R	2.38	676	0.5575	.32
610	0.3950	-.62	684	0.9895	-.66	Avg	0.8478		868	1.5600	1.22	350	0.5490	.03
			868	0.9815	-.84	227	0.8300	-.50	208	1.5600	1.16	Avg	0.5489	
-- Method 124.99 --			859	0.9250	-1.90	350	0.8250	-.57	571	1.5450	.87	512	0.5452	-.13
668	0.1955 s	.00				684	0.8120	-.88	504	1.5300	.81	208	0.5150	-.96
						868	0.8095	-.98	350	1.5370	.65	504	0.5200 R	-.99
						160	0.8279 R	-1.04	512	1.5095	.52	859	0.5085	-1.14

* 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 131.00 --			-- Method 133.00 --			-- Method 134.05 --			-- Method 136.03 --			-- Method 138.05 --		
868	0.4680	-2.28	350	1.2665	1.45	038	1.1200	-1.04	859	0.2890	.71	626	1.2650	1.27
			652	1.2400	.95							Avg	1.1717	
-- Method 131.02 --			504	1.2250	.70	-- Method 135.00 --			-- Method 136.99 --			038	1.1400	-.43
676	0.6130	.90	571	1.2100 R	.68	652	1.2750	1.01	610	0.2805	1.22	668	1.1100	-.84
Avg	0.5940		675	1.2250	.64	571	1.2700	.94	Avg	0.2803				
227	0.5750	-.83	619	1.2000	.24	676	1.2700	.93	504	0.2800	-.06	-- Method 139.00 --		
			160	1.1982	.11	644	1.2680	.90				504	0.0800	.87
-- Method 131.05 --			Avg	1.1926		227	1.2650	.85	-- Method 137.00 --			Avg	0.0525	
038	0.6280	1.01	644	1.1910	-.18	619	1.2550	.70	160	0.9602 R	2.82	208	0.0250	-.87
Avg	0.5943		227	1.1550	-.74	350	1.2450	.55	676	0.9100	2.14			
610	0.5650	-.72	684	1.1205	-1.41	Avg	1.2102		675	0.7500	.17			
626	0.5900	-.98	868	1.1050	-1.72	684	1.1850	-.42	644	0.7440	.09			
						504	1.1750	-.55	Avg	0.7364				
-- Method 131.99 --			-- Method 133.05 --			868	1.1750	-.59	868	0.7235	-.29			
668	0.5325	.71	038	1.2500	1.20	859	1.1270	-1.30	684	0.6775	-.73			
Avg	0.5325		626	1.2950	.66	160	1.1229	-1.36	504	0.6800	-.74			
859	0.2215 S	-20.94	Avg	1.2400		675	1.1000	-1.74	227	0.6700	-.85			
			668	1.1750	-.80									
-- Method 132.00 --			-- Method 134.00 --			-- Method 135.05 --			-- Method 137.05 --					
160	1.2715 R	3.25	619	1.1000	1.07	668	1.3650	1.26	038	0.8110	.65			
676	1.2045	1.86	652	1.0950	.99	Avg	1.3133		Avg	0.7710				
652	1.1550	.98	227	1.0750	.72	626	1.2950	-.42	668	0.7470	-.70			
619	1.1400	.68	571	1.0700	.68	038	1.2800	-.86	626	0.7550	-1.26			
571	1.1350	.57	675	1.0550	.44	-- Method 135.99 --			-- Method 138.00 --					
675	1.1200	.47	676	1.0550	.38	859	0.3455 S	.00	571	1.2150	1.11			
644	1.1285	.45	350	1.0500	.34	-- Method 136.00 --			504	1.2000	.99			
Avg	1.1045		Avg	1.0301		684	0.3415	.88	675	1.1900	.78			
350	1.1025	-.04	644	1.0205	-.15	Avg	0.3158		619	1.1850	.70			
227	1.0900	-.46	684	1.0220	-.17	208	0.2900	-.86	644	1.1830	.67			
504	1.0750	-.72	859	0.9810	-.75	-- Method 136.01 --			227	1.1450	.50			
859	1.0435	-1.13	868	0.9680	-1.00	619	0.3045	.75	652	1.1650	.47			
684	1.0400	-1.20	160	0.9458 R	-1.48	644	0.3035	.70	350	1.1445	.17			
868	1.0200	-1.56	504	0.8700	-2.52	Avg	0.3158		Avg	1.1335				
						208	0.2900	-.86	684	1.0995	-.46			
-- Method 132.05 --			-- Method 134.05 --			644	0.3035	.70	859	1.0545	-1.07			
668	1.2000	1.23	668	1.1900	1.06	571	0.3000	.55	160	1.0169	-1.58			
626	1.2050	.49	626	1.1600	.55	Avg	0.2871		868	1.0035	-1.83			
Avg	1.1850		Avg	1.1567		227	0.2805	-.46						
038	1.1500	-.86				868	0.2470	-1.71						

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

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
001.00	10	0.2776	1.29	0.24	010.03	4	0.0000	1.07	0.11
001.03	7	-0.7307	2.15	0.15	010.11	12	0.0000	1.02	0.08
001.07	41	-0.2019	1.62	0.40	010.99	16	0.1377	1.12	0.11
001.99	20	-0.1702	1.23	0.18	011.01	79	-0.2107	1.75	1.31
002.00	7	1.3399	3.65	0.67	012.00	7	-0.2287	1.13	0.09
002.01	12	0.0000	1.00	0.22	012.01	3	0.0000	1.10	0.15
002.02	6	0.3252	1.22	0.75	012.03	2	0.0000	0.51	0.79
002.04	6	-4.1748	10.96	0.53	012.04	6	0.0000	1.05	0.03
002.05	14	0.0000	1.00	0.18	012.11	5	0.0000	1.06	0.05
002.06	135	-0.1068	1.29	0.66	012.99	2	3.4375	4.86	0.50
002.08	6	0.0000	0.93	0.44	013.02	34	-0.0556	1.25	0.27
002.10	13	-2.1569	8.14	0.37	013.10	15	-0.1332	1.09	0.41
002.11	13	-0.1871	2.59	0.10	013.12	3	0.0000	1.11	0.08
002.99	4	0.0000	1.07	0.14	013.99	2	0.0000	1.22	0.07
003.00	25	0.2757	1.34	0.20	015.00	12	0.3015	1.41	0.30
003.06	30	0.1623	2.56	0.24	017.00	8	0.5025	1.67	0.42
003.09	25	0.0239	0.97	0.35	018.02	3	0.0000	0.99	0.43
003.10	30	-0.3282	2.67	0.42	019.00	12	0.1953	1.18	0.18
003.11	12	3.0492	2.18	0.08	019.01	47	2.2158	15.98	16.09
003.12	6	2.0187	5.03	0.18	019.03	4	0.0000	0.98	0.39
003.13	5	0.0000	0.97	0.38	019.05	45	-0.1082	1.22	0.28
003.14	17	0.0000	0.96	0.31	019.08	5	0.0000	1.06	0.09
003.99	12	0.8126	2.73	0.52	019.09	34	-0.0195	0.98	0.23
004.00	32	0.5101	2.05	0.34	019.99	6	1.0506	2.74	0.17
004.01	2	0.0000	1.22	0.09	020.01	8	0.0000	1.02	0.15
004.03	3	0.0000	1.10	0.16	020.99	2	0.0000	1.22	0.06
004.06	35	0.0401	0.98	0.30	021.01	5	129.9698	289.14	1.49
004.07	42	0.1826	1.43	0.35	021.02	14	0.1245	1.94	0.29
004.11	9	4.9447	10.21	0.11	022.01	23	-0.2142	1.25	0.24
004.99	6	0.4856	1.52	0.70	022.03	34	0.0881	1.05	0.23
005.00	136	-0.0269	1.19	0.32	022.05	33	0.0695	1.24	0.25
005.11	11	-3.9269	5.16	0.20	022.99	4	-2.5751	5.23	0.17
005.99	14	-0.2848	1.42	0.29	025.01	17	-0.3178	1.52	0.31
008.02	16	-0.7443	2.22	0.35	025.03	34	-0.1065	1.70	0.39
008.08	24	0.0827	1.05	0.26	025.05	28	-1.0965	2.58	0.22
008.99	5	5.9603	13.33	0.74	025.99	2	0.0000	1.20	0.16
009.07	10	0.0000	1.01	0.18	026.00	6	0.0000	1.03	0.17
009.09	19	-0.0437	1.00	0.12	026.99	2	0.0000	1.18	0.24
009.99	4	1.5338	3.19	0.23	027.01	23	-0.2412	1.75	0.23

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
027.03	35	0.0103	0.99	0.15	105.00	2	0.0000	1.15	0.30
027.05	27	0.2796	1.82	0.47	105.01	2	0.0000	1.14	0.31
028.01	21	2.3591	10.30	0.29	106.02	12	0.0571	0.99	0.16
028.03	33	-0.0342	1.40	0.31	107.00	2	0.0000	0.72	0.70
028.05	34	0.3982	2.52	0.35	108.02	2	0.0000	1.21	0.11
028.99	3	-8.2751	14.34	0.60	109.02	9	0.0000	1.03	0.02
031.01	53	0.0009	0.98	0.54	113.01	2	0.0000	1.22	0.10
031.02	2	0.0000	1.02	0.47	120.00	13	-0.1955	1.19	0.45
031.03	5	0.0000	0.93	0.46	120.05	3	0.0000	0.79	0.65
031.05	77	-0.0790	1.08	0.24	121.00	13	0.1700	1.14	0.30
031.06	2	-3.7123	5.25	0.90	121.05	3	0.7552	1.49	0.50
031.99	9	-0.8470	1.90	0.19	122.00	13	-0.4632	1.92	0.28
032.01	21	0.0069	0.96	0.22	122.05	3	0.0000	1.02	0.37
032.02	6	0.0000	1.04	0.11	124.00	9	0.0359	0.97	0.18
032.05	60	0.1406	1.41	0.38	124.02	2	0.0000	1.19	0.20
033.00	30	0.9833	5.84	0.20	124.05	2	0.0000	0.85	0.63
033.01	31	0.0480	1.29	0.45	125.00	13	-0.0317	0.97	0.28
033.03	6	0.0000	0.96	0.38	125.05	3	0.0000	1.09	0.22
033.99	15	-0.3475	1.99	0.17	126.00	13	0.0000	1.00	0.19
034.04	8	0.0000	1.02	0.14	126.05	3	0.0000	1.06	0.29
034.05	5	5.0576	6.97	5.26	127.00	12	0.0000	0.98	0.27
034.99	4	0.0000	1.07	0.10	127.05	3	0.0000	1.07	0.26
035.00	24	0.0431	1.04	0.19	128.00	13	-0.0373	0.95	0.35
035.03	55	1.0521	6.61	0.39	128.05	3	0.0000	1.07	0.27
035.05	11	0.4577	1.56	0.26	129.00	13	-0.2397	1.25	0.36
035.99	2	-17.6423	24.95	0.74	129.05	3	0.0000	1.11	0.11
036.00	2	0.0000	0.64	0.74	130.00	16	0.1081	0.98	0.59
036.03	24	-0.1788	1.31	0.17	130.05	5	0.0000	0.69	0.72
037.01	22	-0.7394	3.48	0.44	131.00	13	-0.0626	0.99	0.22
037.03	38	-0.0930	1.33	0.41	131.02	2	0.0000	1.13	0.33
037.05	32	-0.0028	3.97	0.30	131.05	3	0.0000	0.77	0.66
037.99	4	0.0000	1.04	0.26	131.99	2	-10.4719	14.81	0.50
038.00	9	0.0000	1.02	0.15	132.00	13	0.2379	1.28	0.35
039.02	5	0.0000	1.01	0.28	132.05	3	0.0000	0.72	0.70
041.00	3	0.0000	1.08	0.23	133.00	11	0.0310	0.97	0.23
051.00	9	0.2150	1.13	0.42	133.05	3	0.0000	0.72	0.70
051.03	5	0.0000	1.00	0.31	134.00	13	-0.0989	1.01	0.31
086.00	4	0.0000	1.05	0.23	134.05	3	0.0000	0.96	0.47
104.00	4	0.0000	0.99	0.38	135.00	13	0.0000	1.01	0.15

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
135.05	3	0.0000	1.00	0.41					
136.00	2	0.0000	1.21	0.13					
136.01	5	0.0000	1.04	0.17					
136.99	2	0.0000	0.08	0.86					
137.00	8	0.3447	1.36	0.25					
137.05	3	0.0000	0.41	0.85					
138.00	12	0.0000	0.99	0.24					
138.05	3	0.0000	1.12	0.04					