Feed Check Sample No. - 200827  Preconditioning/Receiving Chow,Medicated
Association of American Feed Control Officials

| Method | AOAC 18th | Method Code | - Pass 1 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | - Pass 2 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---|---|---|---|---|---|---|---|---|---|---|
| NPN, Urea + Am, Urease Method..... | 941.04 | 000.01 | 2 | 12.4550 | 11.3797 | 0.06000 | 2 | 12.4550 | 11.3797 | 0.06000 |
| Method Group 000.XX PCT | | | 2 | 12.4550 | 11.3797 | 0.06000 | 2 | 12.4550 | 11.3797 | 0.06000 |
| Loss on Drying, Vac 95 deg 5 hr ..... | 934.01 | 001.00 | 9 | 9.12000 | 0.40596 | 0.20444 | 9 | 9.12000 | 0.40596 | 0.20444 |
| Loss on Drying, ISO 6496 ..... | | 001.03 | 4 | 8.98875 | 0.10398 | 0.06750 | 4 | 8.98875 | 0.10398 | 0.06750 |
| Loss on Drying, LECO ..... | | 001.05 | 1 | 9.00000 | 0.01414 | 0.02000 | 1 | 9.00000 | 0.01414 | 0.02000 |
| Loss on Drying, 104 deg 3 hr, in malt . | 935.29 | 001.07 | 39 | 8.94712 | 0.33033 | 0.17064 | 38 | 8.92428 | 0.29641 | 0.15592 |
| Loss on Drying, 102 deg 16 hr, in meat | 950.46 | 001.08 | 1 | 9.34500 | 0.12021 | 0.17000 | 1 | 9.34500 | 0.12021 | 0.17000 |
| Loss on Drying, Misc ..... | | 001.99 | 13 | 9.15615 | 0.41314 | 0.21231 | 12 | 9.22000 | 0.33675 | 0.15667 |
| Method Group 001.XX PCT | | | 67 | 9.02011 | 0.35602 | 0.17485 | 65 | 9.01758 | 0.33114 | 0.15546 |
| Protein, Crude ..... | 954.01 | 002.00 | 5 | 12.9840 | 0.41987 | 0.24400 | 5 | 12.9840 | 0.41987 | 0.24400 |
| Protein, Auto Kjel-Foss ..... | 976.05 | 002.01 | 10 | 12.8691 | 0.27640 | 0.13276 | 10 | 12.8691 | 0.27640 | 0.13276 |
| Protein, Semiauto Autoanalyzer ..... | 976.06 | 002.02 | 11 | 12.7604 | 0.37511 | 0.24282 | 10 | 12.7815 | 0.35928 | 0.17710 |
| Protein, Hach Method ..... | | 002.03 | 1 | 12.9500 | 0.98995 | 1.40000 | 1 | 12.9500 | 0.98995 | 1.40000 |
| Protein, Copper Cat ..... | 984.13 | 002.04 | 5 | 12.7920 | 0.51685 | 0.09600 | 5 | 12.7920 | 0.51685 | 0.09600 |
| Protein, Copper, Boric Acid ..... | | 002.05 | 21 | 12.8612 | 0.35890 | 0.07640 | 21 | 12.8612 | 0.35890 | 0.07640 |
| Protein, Combustion Nitrogen Analyzer | 990.03 | 002.06 | 133 | 12.9920 | 0.45661 | 0.15783 | 125 | 12.9937 | 0.43563 | 0.12617 |
| Protein, Cu/Ti ..... | 988.05 | 002.08 | 6 | 12.7715 | 0.41571 | 0.06972 | 6 | 12.7715 | 0.41571 | 0.06972 |
| Protein, Block dig/distillation ..... | | 002.10 | 10 | 12.7935 | 0.34180 | 0.20500 | 9 | 12.8194 | 0.32488 | 0.14111 |
| Protein, NIR ..... | | 002.11 | 11 | 13.0983 | 1.11726 | 0.23100 | 11 | 13.0983 | 1.11726 | 0.23100 |
| Protein, Misc ..... | | 002.99 | 4 | 13.0938 | 0.22866 | 0.09750 | 4 | 13.0938 | 0.22866 | 0.09750 |
| Method Group 002.XX PCT | | | 217 | 12.9490 | 0.49036 | 0.16172 | 207 | 12.9521 | 0.47908 | 0.13620 |
| Fat, Eth Ext, Direct ..... | 920.39 | 003.00 | 32 | 2.38739 | 0.32526 | 0.10639 | 31 | 2.41440 | 0.28834 | 0.09241 |
| Fat, Pet Ether ..... | | 003.06 | 24 | 2.04792 | 0.24280 | 0.07417 | 22 | 2.03182 | 0.23669 | 0.05636 |
| Fat, Soxtec, Eth Ext ..... | | 003.09 | 28 | 2.24399 | 0.20802 | 0.08214 | 26 | 2.24448 | 0.20972 | 0.06192 |
| Fat, Soxtec, Pet Ether ..... | | 003.10 | 30 | 2.01381 | 0.19350 | 0.10283 | 27 | 2.01678 | 0.16620 | 0.05951 |
| Fat, NIR ..... | | 003.11 | 8 | 2.00408 | 0.23993 | 0.08049 | 8 | 2.00408 | 0.23993 | 0.08049 |
| Fat, Hexane Ext. ..... | | 003.12 | 3 | 2.31500 | 0.10950 | 0.06333 | 3 | 2.31500 | 0.10950 | 0.06333 |
| Fat, Soxtec, Hexane Ext. ..... | | 003.13 | 5 | 2.04140 | 0.30723 | 0.06280 | 5 | 2.04140 | 0.30723 | 0.06280 |
| Fat, Ankom ..... | | 003.14 | 14 | 2.06554 | 0.22555 | 0.11036 | 14 | 2.06554 | 0.22555 | 0.11036 |
| Fat, Misc ..... | | 003.99 | 9 | 2.21444 | 0.23843 | 0.14444 | 9 | 2.21444 | 0.23843 | 0.14444 |
| Method Group 003.XX PCT | | | 153 | 2.16225 | 0.28459 | 0.09518 | 145 | 2.16820 | 0.27885 | 0.07803 |
| Fiber, Crude Asbestos Free ..... | 962.09 | 004.00 | 29 | 24.6330 | 1.52975 | 0.41264 | 27 | 24.5978 | 1.45490 | 0.29172 |
| Fiber, Sing Filt ..... | | 004.01 | 1 | 26.0550 | 0.50205 | 0.71000 | 1 | 26.0550 | 0.50205 | 0.71000 |
| Fiber, Fritted Glass ..... | 978.10 | 004.03 | 3 | 23.7650 | 0.67159 | 0.24333 | 3 | 23.7650 | 0.67159 | 0.24333 |
| Fiber, Fibertec ..... | | 004.06 | 37 | 24.5515 | 0.82326 | 0.31006 | 34 | 24.6070 | 0.80132 | 0.20095 |
| Fiber, ANKOM ..... | | 004.07 | 45 | 24.0838 | 1.32003 | 0.39689 | 43 | 24.0291 | 1.27506 | 0.30372 |
| Fiber, NIR ..... | | 004.11 | 9 | 23.2773 | 0.91542 | 0.21978 | 9 | 23.2773 | 0.91542 | 0.21978 |
| Fiber, Misc ..... | | 004.99 | 4 | 23.1300 | 1.03312 | 0.23500 | 4 | 23.1300 | 1.03312 | 0.23500 |
| Method Group 004.XX PCT | | | 128 | 24.2648 | 1.27545 | 0.35669 | 121 | 24.2429 | 1.24240 | 0.26551 |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | - Pass 1 Results for 222 Labs - | | | | - Pass 2 Results for 222 Labs - | | | |
| Ash, | 942.05 | 005.00 | 145 | 8.57495 | 0.22216 | 0.08337 | 134 | 8.57729 | 0.21306 | 0.06324 |
| Ash, LECO | | 005.02 | 1 | 8.65500 | 0.00707 | 0.01000 | 1 | 8.65500 | 0.00707 | 0.01000 |
| Ash, Microwave Furnace | | 005.03 | 2 | 8.13750 | 0.38012 | 0.06500 | 2 | 8.13750 | 0.38012 | 0.06500 |
| Ash, NIR | | 005.11 | 4 | 8.42500 | 0.38910 | 0.07500 | 6 | 8.78384 | 0.61448 | 0.06578 |
| Ash, Misc | | 005.99 | 13 | 8.60269 | 0.22572 | 0.05308 | 12 | 8.60042 | 0.23293 | 0.03917 |
| Method Group 005.XX PCT | | | 165 | 8.56868 | 0.23387 | 0.08011 | 153 | 8.56988 | 0.22781 | 0.06133 |
| Sugar, TSI, Lane-Eynon (12th) | 923.09 | 006.05 | 1 | 5.92500 | 0.04950 | 0.07000 | 1 | 5.92500 | 0.04950 | 0.07000 |
| Sugar, Misc | | 006.99 | 1 | 5.60000 | 0.14142 | 0.20000 | 1 | 5.60000 | 0.14142 | 0.20000 |
| Method Group 006.XX PCT | | | 2 | 5.76250 | 0.20662 | 0.13500 | 2 | 5.76250 | 0.20662 | 0.13500 |
| Fiber, Acid Detergent | 973.18 | 008.02 | 20 | 33.1369 | 2.00977 | 0.31580 | 20 | 33.1369 | 2.00977 | 0.31580 |
| Fiber, Acid Detergent-Hach | | 008.05 | 1 | 34.2000 | 0.28284 | 0.40000 | 1 | 34.2000 | 0.28284 | 0.40000 |
| Fiber, Acid Detergent by ANKOM | | 008.08 | 20 | 33.4450 | 1.16815 | 0.43000 | 20 | 33.4450 | 1.16815 | 0.43000 |
| Fiber, Acid Detergent Misc | | 008.99 | 6 | 32.7208 | 1.91969 | 1.34167 | 6 | 32.7208 | 1.91969 | 1.34167 |
| Method Group 008.XX PCT | | | 47 | 33.2375 | 1.66735 | 0.49715 | 47 | 33.2375 | 1.66735 | 0.49715 |
| Fiber, Neutral Det-No ENZ Pretreat | | 009.04 | 1 | 48.4267 | 0.52559 | 0.74330 | 1 | 48.4267 | 0.52559 | 0.74330 |
| Fiber, Neutral Det-ENZ Pretreat | | 009.07 | 14 | 46.8846 | 1.23603 | 0.37786 | 14 | 46.8846 | 1.23603 | 0.37786 |
| Fiber, Neutral Detergent by ANKOM | | 009.09 | 16 | 45.5813 | 1.09539 | 0.72625 | 15 | 45.5433 | 1.05538 | 0.58133 |
| Fiber, Neutral Det Misc | | 009.99 | 3 | 43.9483 | 0.99945 | 0.24333 | 3 | 43.9483 | 0.99945 | 0.24333 |
| Method Group 009.XX PCT | | | 34 | 46.0575 | 1.48650 | 0.54069 | 33 | 46.0547 | 1.48752 | 0.46919 |
| Moisture, Karl-Fischer | 966.20 | 010.03 | 3 | 7.01667 | 0.61708 | 0.30000 | 3 | 7.01667 | 0.61708 | 0.30000 |
| Moisture, NIR | | 010.11 | 9 | 9.11024 | 0.24353 | 0.15253 | 9 | 9.11024 | 0.24353 | 0.15253 |
| Moisture, Misc | | 010.99 | 18 | 9.18816 | 0.77903 | 0.12237 | 16 | 9.08230 | 0.73374 | 0.07891 |
| Method Group 010.XX PCT | | | 30 | 8.94763 | 0.91210 | 0.14918 | 28 | 8.86996 | 0.88103 | 0.12626 |
| Loss on Drying, 135 deg 2 hr | 930.15 | 011.01 | 84 | 10.4965 | 0.33958 | 0.09552 | 77 | 10.4897 | 0.30714 | 0.06641 |
| Loss on Drying, High Temp Methods, Misc | | 011.99 | 1 | 9.75500 | 0.00707 | 0.01000 | 1 | 9.75500 | 0.00707 | 0.01000 |
| Method Group 011.XX PCT | | | 85 | 10.4878 | 0.34696 | 0.09451 | 78 | 10.4803 | 0.31621 | 0.06569 |
| Starch, Polarimetric (Ewers) | | 012.00 | 7 | 8.14500 | 0.48584 | 0.13286 | 6 | 8.01083 | 0.36074 | 0.07167 |
| Starch, Megazyme | | 012.01 | 2 | 7.88000 | 0.35740 | 0.14000 | 2 | 7.88000 | 0.35740 | 0.14000 |
| Starch, Enzymatic | | 012.03 | 2 | 7.96000 | 1.05902 | 0.21000 | 2 | 7.96000 | 1.05902 | 0.21000 |
| Starch, YSI Analyzer | | 012.04 | 5 | 8.03700 | 0.85556 | 0.11800 | 5 | 8.03700 | 0.85556 | 0.11800 |
| Starch, NIR | | 012.11 | 2 | 6.00500 | 0.97535 | 0.57000 | 2 | 6.00500 | 0.97535 | 0.57000 |
| Method Group 012.XX PCT | | | 18 | 7.82722 | 0.94831 | 0.18667 | 17 | 7.76118 | 0.93227 | 0.16824 |
| Fat, Mojonnier, Bak Ext | 954.02 | 013.02 | 32 | 3.20689 | 0.49412 | 0.16372 | 31 | 3.19131 | 0.49162 | 0.15094 |
| Fat, Roese-Gottlieb | 932.02 | 013.03 | 1 | 1.60000 | 0.07071 | 0.10000 | 1 | 1.60000 | 0.07071 | 0.10000 |
| Fat, Soxtec-Acid Hydrolysis | | 013.10 | 16 | 2.60978 | 0.36827 | 0.11619 | 16 | 2.60978 | 0.36827 | 0.11619 |
| Fat, NIR-Acid Hydrolysis | | 013.12 | 3 | 1.84667 | 0.35183 | 0.01333 | 3 | 1.84667 | 0.35183 | 0.01333 |
| Fat, Ankon-Acid Hydrolysis | | 013.13 | 2 | 3.60000 | 0.85755 | 0.26000 | 2 | 3.60000 | 0.85755 | 0.26000 |
| Fat, Pretreat or extended ext, misc | | 013.99 | 3 | 2.62000 | 0.44285 | 0.15333 | 3 | 2.62000 | 0.44285 | 0.15333 |
| Method Group 013.XX PCT | | | 57 | 2.92240 | 0.62775 | 0.14418 | 56 | 2.90870 | 0.62366 | 0.13675 |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | - Pass 1 Results for 222 Labs - | | | | - Pass 2 Results for 222 Labs - | | | |
| Aluminum, ICP | | 015.00 | 12 | 64.4638 | 23.7160 | 4.63250 | 12 | 64.4638 | 23.7160 | 4.63250 |
| Method Group 015.XX PPM | | | 12 | 64.4638 | 23.7160 | 4.63250 | 12 | 64.4638 | 23.7160 | 4.63250 |
| Arsenic, AA, Hydride | | 016.00 | 1 | 0.08800 | 0.00566 | 0.00800 | 1 | 0.08800 | 0.00566 | 0.00800 |
| Boron, ICP | | 017.00 | 8 | 11.8963 | 2.50616 | 1.23250 | 8 | 11.8963 | 2.50616 | 1.23250 |
| Boron, Misc | | 017.99 | 1 | 11.2500 | 0.49497 | 0.70000 | 1 | 11.2500 | 0.49497 | 0.70000 |
| Method Group 017.XX PPM | | | 9 | 11.8244 | 2.36643 | 1.17333 | 9 | 11.8244 | 2.36643 | 1.17333 |
| Cadmium, ICP | | 018.02 | 2 | 0.08688 | 0.01749 | 0.01375 | 2 | 0.08688 | 0.01749 | 0.01375 |
| Method Group 018.XX PPM | | | 2 | 0.08688 | 0.01749 | 0.01375 | 2 | 0.08688 | 0.01749 | 0.01375 |
| Calcium, Ox-Mn04 Vol | 927.02 | 019.00 | 15 | 0.74308 | 0.04748 | 0.01553 | 15 | 0.74308 | 0.04748 | 0.01553 |
| Calcium, At Abs Spect | 968.08 | 019.01 | 53 | 0.75005 | 0.05037 | 0.01563 | 49 | 0.75070 | 0.04885 | 0.01167 |
| Calcium, Semiauto (Autoanalyzer) | | 019.03 | 7 | 0.83793 | 0.04949 | 0.02386 | 7 | 0.83793 | 0.04949 | 0.02386 |
| Calcium, ICP, Dry Ash | | 019.05 | 37 | 0.76131 | 0.04708 | 0.01561 | 37 | 0.76131 | 0.04708 | 0.01561 |
| Calcium, EDTA | | 019.08 | 5 | 0.80000 | 0.04676 | 0.04120 | 5 | 0.80000 | 0.04676 | 0.04120 |
| Calcium, ICP, Wet Ash | | 019.09 | 27 | 0.78377 | 0.05106 | 0.02997 | 27 | 0.78377 | 0.05106 | 0.02997 |
| Calcium, Misc | | 019.99 | 7 | 0.77630 | 0.04128 | 0.02334 | 7 | 0.77630 | 0.04128 | 0.02334 |
| Method Group 019.XX PCT | | | 151 | 0.76509 | 0.05320 | 0.01977 | 147 | 0.76571 | 0.05269 | 0.01856 |
| Chromium, AA | | 020.00 | 2 | 4.29665 | 1.16135 | 0.09840 | 2 | 4.29665 | 1.16135 | 0.09840 |
| Chromium, ICP | | 020.01 | 8 | 7.56744 | 3.60563 | 1.23575 | 7 | 6.86279 | 3.12431 | 0.69800 |
| Chromium, Misc | | 020.99 | 1 | 10.0850 | 0.16263 | 0.23000 | 1 | 10.0850 | 0.16263 | 0.23000 |
| Method Group 020.XX PPM | | | 11 | 7.20162 | 3.46139 | 0.93753 | 10 | 6.67178 | 3.05515 | 0.53128 |
| Cobalt, AA | 968.08 | 021.01 | 4 | 1.48625 | 0.50319 | 0.01250 | 4 | 1.48625 | 0.50319 | 0.01250 |
| Cobalt, ICP | | 021.02 | 14 | 1.58880 | 0.32868 | 0.10218 | 13 | 1.60717 | 0.32674 | 0.07158 |
| Cobalt, Misc. | | 021.99 | 2 | 1.19575 | 0.42587 | 0.01050 | 2 | 1.19575 | 0.42587 | 0.01050 |
| Method Group 021.XX PPM | | | 20 | 1.52899 | 0.38538 | 0.07507 | 19 | 1.53841 | 0.38903 | 0.05271 |
| Copper, AA | 968.08 | 022.01 | 29 | 22.5959 | 4.55493 | 1.35737 | 29 | 22.5959 | 4.55493 | 1.35737 |
| Copper, ICP, Dry Ash | 968.08 | 022.03 | 30 | 21.7888 | 4.93231 | 1.43700 | 30 | 21.7888 | 4.93231 | 1.43700 |
| Copper, ICP, Wet Ash | 968.08 | 022.05 | 28 | 28.7127 | 3.11199 | 2.39543 | 26 | 28.5368 | 2.80262 | 1.77969 |
| Copper, Misc | | 022.99 | 3 | 24.7817 | 2.25238 | 2.93667 | 3 | 24.7817 | 2.25238 | 2.93667 |
| Method Group 022.XX PPM | | | 90 | 24.3027 | 5.18623 | 1.75951 | 88 | 24.1505 | 5.08305 | 1.56313 |
| Fluorine, Ion Sel Elect | 975.08 | 023.01 | 1 | 0.00300 | 0.00000 | 0.00000 | 1 | 0.00300 | 0.00000 | 0.00000 |
| Iron, AA | 968.08 | 025.01 | 25 | 236.996 | 24.5926 | 7.68252 | 24 | 237.204 | 24.8121 | 6.50263 |
| Iron, ICP, Dry Ash | 968.08 | 025.03 | 26 | 234.974 | 27.6247 | 7.27208 | 25 | 234.533 | 27.8853 | 6.21816 |
| Iron, ICP, Wet Ash | 968.08 | 025.05 | 23 | 238.915 | 26.5352 | 12.6849 | 22 | 238.184 | 25.8323 | 10.0797 |
| Iron, Misc | | 025.99 | 1 | 212.700 | 0.28284 | 0.40000 | 1 | 212.700 | 0.28284 | 0.40000 |
| Method Group 025.XX PPM | | | 75 | 236.559 | 26.1351 | 8.97720 | 72 | 236.236 | 26.0709 | 7.41208 |
| Lead, | | 026.00 | 1 | 0.10000 | 0.00283 | 0.00400 | 1 | 0.10000 | 0.00283 | 0.00400 |
| Lead, Misc | | 026.99 | 1 | 0.00000 | 0.00000 | 0.00000 | 1 | 0.00000 | 0.00000 | 0.00000 |
| Method Group 026.XX PPM | | | 2 | 0.05000 | 0.05776 | 0.00200 | 2 | 0.05000 | 0.05776 | 0.00200 |
| Magnesium, AA | 968.08 | 027.01 | 31 | 0.24946 | 0.01895 | 0.00627 | 31 | 0.24946 | 0.01895 | 0.00627 |

| Method | AOAC 18th | Method Code | - Pass 1 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | - Pass 2 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---|---|---|---|---|---|---|---|---|---|---|
| Magnesium, ICP, Dry Ash | 968.08 | 027.03 | 32 | 0.25298 | 0.01060 | 0.00398 | 30 | 0.25322 | 0.01039 | 0.00329 |
| Magnesium, ICP, Wet Ash | 968.08 | 027.05 | 28 | 0.25928 | 0.01395 | 0.00835 | 26 | 0.25961 | 0.01352 | 0.00669 |
| Magnesium, Misc. | | 027.99 | 3 | 0.25431 | 0.02149 | 0.00479 | 3 | 0.25431 | 0.02149 | 0.00479 |
| Method Group 027.XX PCT | | | 94 | 0.25374 | 0.01549 | 0.00606 | 90 | 0.25381 | 0.01547 | 0.00535 |
| Manganese, AA | 968.08 | 028.01 | 30 | 95.4181 | 10.5027 | 4.66615 | 29 | 95.0584 | 10.3873 | 4.26498 |
| Manganese, ICP, Dry Ash | 968.08 | 028.03 | 32 | 93.8722 | 11.3621 | 3.41531 | 31 | 93.7068 | 11.4568 | 3.13839 |
| Manganese, ICP, Wet Ash | 968.08 | 028.05 | 25 | 109.265 | 7.49162 | 4.98420 | 24 | 109.026 | 7.26634 | 4.35854 |
| Manganese, Misc. | | 028.99 | 3 | 99.9273 | 8.48487 | 4.84333 | 3 | 99.9273 | 8.48487 | 4.84333 |
| Method Group 028.XX PPM | | | 90 | 98.8652 | 11.9297 | 4.31566 | 87 | 98.5979 | 11.8856 | 3.90930 |
| Mercury, | | 029.00 | 1 | 0.00350 | 0.00071 | 0.00100 | 1 | 0.00350 | 0.00071 | 0.00100 |
| Nitrate, Misc | | 030.99 | 1 | 0.01285 | 0.00007 | 0.00010 | 1 | 0.01285 | 0.00007 | 0.00010 |
| Phosphorus, Vol | 964.06 | 031.00 | 1 | 0.43270 | 0.00410 | 0.00580 | 1 | 0.43270 | 0.00410 | 0.00580 |
| Phosphorus, Photometric | 965.17 | 031.01 | 56 | 0.44293 | 0.02534 | 0.01070 | 53 | 0.44105 | 0.02310 | 0.00913 |
| Phosphorus, GQMP (2.028) | 964.06 | 031.02 | 6 | 0.42773 | 0.00833 | 0.00596 | 6 | 0.42773 | 0.00833 | 0.00596 |
| Phosphorus, Autoanalyzer | | 031.03 | 9 | 0.42178 | 0.02700 | 0.01333 | 8 | 0.42575 | 0.02355 | 0.00750 |
| Phosphorus, ICP | | 031.05 | 64 | 0.43599 | 0.02302 | 0.01095 | 61 | 0.43563 | 0.02261 | 0.00919 |
| Phosphorus, Hach Method | | 031.06 | 2 | 0.42250 | 0.00500 | 0.00500 | 2 | 0.42250 | 0.00500 | 0.00500 |
| Phosphorus, Misc | | 031.99 | 9 | 0.42028 | 0.03416 | 0.01567 | 9 | 0.42028 | 0.03416 | 0.01567 |
| Method Group 031.XX PCT | | | 147 | 0.43626 | 0.02524 | 0.01097 | 140 | 0.43558 | 0.02374 | 0.00926 |
| Potassium, AA | 975.03 | 032.01 | 38 | 1.31197 | 0.09897 | 0.02579 | 36 | 1.31514 | 0.09958 | 0.02056 |
| Potassium, Flame Emission | 956.01 | 032.02 | 9 | 1.36128 | 0.05462 | 0.03589 | 8 | 1.36206 | 0.05124 | 0.02162 |
| Potassium, ICP | | 032.05 | 63 | 1.36545 | 0.10631 | 0.02858 | 60 | 1.36858 | 0.10097 | 0.02553 |
| Potassium, Misc | | 032.99 | 3 | 1.34333 | 0.12356 | 0.07333 | 3 | 1.34333 | 0.12356 | 0.07333 |
| Method Group 032.XX PCT | | | 113 | 1.34655 | 0.10358 | 0.02941 | 107 | 1.34941 | 0.10080 | 0.02490 |
| Salt, Sol Cl | 943.01 | 033.00 | 19 | 0.90465 | 0.07992 | 0.02022 | 19 | 0.90465 | 0.07992 | 0.02022 |
| Salt, Poten Cl | 969.10 | 033.01 | 34 | 0.93431 | 0.02701 | 0.01202 | 33 | 0.93474 | 0.02679 | 0.01057 |
| Salt, Quantab | | 033.03 | 5 | 0.87100 | 0.13820 | 0.04600 | 6 | 0.77500 | 0.17059 | 0.01667 |
| Salt, Ion Sel Electrode | | 033.05 | 1 | 0.93000 | 0.01414 | 0.02000 | 1 | 0.93000 | 0.01414 | 0.02000 |
| Salt, Misc | | 033.99 | 8 | 0.87475 | 0.12946 | 0.01050 | 9 | 0.85206 | 0.13842 | 0.01144 |
| Method Group 033.XX PCT | | | 67 | 0.91400 | 0.07676 | 0.01682 | 65 | 0.91366 | 0.07718 | 0.01395 |
| Selenium, Fluor | 969.06 | 034.01 | 2 | 0.69575 | 0.03253 | 0.03350 | 2 | 0.69575 | 0.03253 | 0.03350 |
| Selenium, AA, Hydride | | 034.04 | 6 | 0.63397 | 0.07868 | 0.02296 | 6 | 0.63397 | 0.07868 | 0.02296 |
| Selenium, ICP | | 034.05 | 5 | 0.77522 | 0.08636 | 0.02244 | 5 | 0.77522 | 0.08636 | 0.02244 |
| Selenium, Misc | | 034.99 | 2 | 0.54250 | 0.19939 | 0.10500 | 2 | 0.54250 | 0.19939 | 0.10500 |
| Method Group 034.XX PPM | | | 15 | 0.67709 | 0.12459 | 0.03513 | 15 | 0.67709 | 0.12459 | 0.03513 |
| Sodium, AA | | 035.00 | 29 | 0.26023 | 0.02028 | 0.00859 | 28 | 0.26049 | 0.02031 | 0.00761 |
| Sodium, Ion Sel Electrode | | 035.01 | 5 | 0.26183 | 0.02562 | 0.00774 | 5 | 0.26183 | 0.02562 | 0.00774 |
| Sodium, ICP | | 035.03 | 53 | 0.25873 | 0.02442 | 0.00893 | 50 | 0.25896 | 0.02399 | 0.00686 |
| Sodium, Flame Emission | 956.01 | 035.05 | 13 | 0.26008 | 0.02731 | 0.01354 | 12 | 0.25779 | 0.02631 | 0.01075 |

| Method | AOAC 18th | Method Code | - Pass 1 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | - Pass 2 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---|---|---|---|---|---|---|---|---|---|---|
| Sodium, Misc | | 035.99 | 1 | 0.26000 | 0.00000 | 0.00000 | 1 | 0.26000 | 0.00000 | 0.00000 |
| Method Group 035.XX PCT | | | 101 | 0.25950 | 0.02347 | 0.00928 | 96 | 0.25942 | 0.02307 | 0.00754 |
| Sulfur, (Gravimetric) | | 036.00 | 2 | 0.25250 | 0.02986 | 0.03500 | 2 | 0.25250 | 0.02986 | 0.03500 |
| Sulfur, ICP | | 036.03 | 21 | 0.25285 | 0.01690 | 0.00854 | 21 | 0.25285 | 0.01690 | 0.00854 |
| Sulfur, LECO | | 036.04 | 2 | 0.23750 | 0.01258 | 0.01500 | 2 | 0.23750 | 0.01258 | 0.01500 |
| Method Group 036.XX PCT | | | 25 | 0.25159 | 0.01791 | 0.01117 | 25 | 0.25159 | 0.01791 | 0.01117 |
| Zinc, AA | 968.08 | 037.01 | 31 | 88.0648 | 14.4384 | 3.64458 | 29 | 88.2831 | 14.2950 | 2.82697 |
| Zinc, ICP, Dry Ash | 968.08 | 037.03 | 31 | 87.7566 | 17.3270 | 3.12100 | 28 | 87.1234 | 16.1945 | 1.88396 |
| Zinc, ICP, Wet Ash | 968.08 | 037.05 | 28 | 107.580 | 10.9757 | 6.09339 | 26 | 107.699 | 10.3920 | 4.41212 |
| Zinc, Misc | | 037.99 | 3 | 93.8645 | 17.9444 | 2.64833 | 3 | 93.8645 | 17.9444 | 2.64833 |
| Method Group 037.XX PPM | | | 93 | 94.0246 | 17.1154 | 4.17519 | 86 | 93.9702 | 16.6653 | 2.99294 |
| Molybdenum, ICP | | 038.00 | 6 | 1.55279 | 0.53703 | 0.34475 | 6 | 1.55279 | 0.53703 | 0.34475 |
| Molybdenum, Misc | | 038.99 | 1 | 1.50000 | 0.00000 | 0.00000 | 1 | 1.50000 | 0.00000 | 0.00000 |
| Method Group 038.XX PPM | | | 7 | 1.54525 | 0.49437 | 0.29550 | 7 | 1.54525 | 0.49437 | 0.29550 |
| Nickel, AA | | 039.01 | 1 | 7.55000 | 0.07071 | 0.10000 | 1 | 7.55000 | 0.07071 | 0.10000 |
| Nickel, ICP | | 039.02 | 6 | 6.68983 | 2.01352 | 0.44250 | 5 | 7.14680 | 1.84612 | 0.19700 |
| Method Group 039.XX PPM | | | 7 | 6.81271 | 1.87843 | 0.39357 | 6 | 7.21400 | 1.67737 | 0.18083 |
| Barium, ICP | | 040.00 | 1 | 15.9500 | 5.16188 | 7.30000 | 1 | 15.9500 | 5.16188 | 7.30000 |
| Vanadium, ICP | | 041.00 | 1 | 0.77125 | 0.00813 | 0.01150 | 1 | 0.77125 | 0.00813 | 0.01150 |
| Carbadox, Color | 977.35 | 050.00 | 1 | 4.19000 | 5.67100 | 8.02000 | 1 | 4.19000 | 5.67100 | 8.02000 |
| Chlorotetracycline, Plate | 967.39 | 051.00 | 8 | 63.8625 | 6.70332 | 2.15000 | 8 | 63.8625 | 6.70332 | 2.15000 |
| Chlorotetracycline, HPLC | | 051.03 | 7 | 56.9929 | 6.35059 | 2.66071 | 7 | 56.9929 | 6.35059 | 2.66071 |
| Method Group 051.XX G/TON | | | 15 | 60.6567 | 7.31240 | 2.38833 | 15 | 60.6567 | 7.31240 | 2.38833 |
| Sulfamethazine, | 969.57 | 082.00 | 2 | 0.00625 | 0.00141 | 0.00040 | 2 | 0.00625 | 0.00141 | 0.00040 |
| Sulfamethazine, HPLC | | 082.01 | 8 | 0.00549 | 0.00106 | 0.00028 | 8 | 0.00549 | 0.00106 | 0.00028 |
| Sulfamethazine, HPLC-PCD | 999.16 | 082.02 | 1 | 0.00670 | 0.00014 | 0.00020 | 1 | 0.00670 | 0.00014 | 0.00020 |
| Method Group 082.XX PCT | | | 11 | 0.00574 | 0.00113 | 0.00030 | 11 | 0.00574 | 0.00113 | 0.00030 |
| Thiamine, HPLC | | 105.00 | 1 | 0.66500 | 0.03536 | 0.05000 | 1 | 0.66500 | 0.03536 | 0.05000 |
| Vitamin A, Color | 974.29 | 106.00 | 1 | 6.25000 | 0.21213 | 0.30000 | 1 | 6.25000 | 0.21213 | 0.30000 |
| Vitamin A, HPLC | | 106.02 | 17 | 4.58496 | 1.10195 | 0.28525 | 17 | 4.58496 | 1.10195 | 0.28525 |
| Vitamin A, Misc | | 106.99 | 1 | 4.40000 | 1.27279 | 1.80000 | 1 | 4.40000 | 1.27279 | 1.80000 |
| Method Group 106.XX KU/LB | | | 19 | 4.66286 | 1.12849 | 0.36575 | 19 | 4.66286 | 1.12849 | 0.36575 |
| Vitamin E, HPLC | | 109.02 | 6 | 13.5940 | 5.89730 | 0.92085 | 5 | 12.8828 | 6.20112 | 0.40502 |
| Vitamin E, Misc | | 109.99 | 1 | 9.50000 | 0.70711 | 1.00000 | 1 | 9.50000 | 0.70711 | 1.00000 |
| Method Group 109.XX MG/KG | | | 7 | 13.0091 | 5.62817 | 0.93216 | 6 | 12.3190 | 5.76555 | 0.50418 |
| Alanine, Post-col Ninhydrin Der | 994.12 | 120.00 | 10 | 0.52173 | 0.02678 | 0.01489 | 10 | 0.52173 | 0.02678 | 0.01489 |
| Method Group 120.XX PCT | | | 10 | 0.52173 | 0.02678 | 0.01489 | 10 | 0.52173 | 0.02678 | 0.01489 |
| Arginine, Post-col Ninhydrin Der | 994.12 | 121.00 | 10 | 0.58171 | 0.05824 | 0.02640 | 10 | 0.58171 | 0.05824 | 0.02640 |
| Method Group 121.XX PCT | | | 10 | 0.58171 | 0.05824 | 0.02640 | 10 | 0.58171 | 0.05824 | 0.02640 |

| Method | AOAC 18th | Method Code | - Pass 1 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | - Pass 2 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---|---|---|---|---|---|---|---|---|---|---|
| Aspartic, Post-col Ninhydrin Der ..... | 994.12 | 122.00 | 9 | 0.91978 | 0.05492 | 0.02578 | 9 | 0.91978 | 0.05492 | 0.02578 |
| Method Group 122.XX PCT | | | 9 | 0.91978 | 0.05492 | 0.02578 | 9 | 0.91978 | 0.05492 | 0.02578 |
| Cysteine/Cystine, PAO Post-col Ninhydri | 994.12 | 124.00 | 8 | 0.18556 | 0.01613 | 0.00938 | 8 | 0.18556 | 0.01613 | 0.00938 |
| Cysteine/Cystine, PAO Post-col OPA Der | | 124.02 | 1 | 0.16000 | 0.00000 | 0.00000 | 1 | 0.16000 | 0.00000 | 0.00000 |
| Cysteine/Cystine, PAO Pre-col AQC Der . | | 124.05 | 1 | 0.18000 | 0.00000 | 0.00000 | 1 | 0.18000 | 0.00000 | 0.00000 |
| Method Group 124.XX PCT | | | 10 | 0.18245 | 0.01635 | 0.00750 | 10 | 0.18245 | 0.01635 | 0.00750 |
| Glutamic, Post-col Ninhydrin Der ..... | 994.12 | 125.00 | 9 | 1.52568 | 0.11654 | 0.04091 | 9 | 1.52568 | 0.11654 | 0.04091 |
| Method Group 125.XX PCT | | | 9 | 1.52568 | 0.11654 | 0.04091 | 9 | 1.52568 | 0.11654 | 0.04091 |
| Glycine, Post-col Ninhydrin Der ..... | 994.12 | 126.00 | 10 | 0.49759 | 0.02255 | 0.01088 | 10 | 0.49759 | 0.02255 | 0.01088 |
| Method Group 126.XX PCT | | | 10 | 0.49759 | 0.02255 | 0.01088 | 10 | 0.49759 | 0.02255 | 0.01088 |
| Histidine, Post-col Ninhydrin Der ..... | 994.12 | 127.00 | 10 | 0.25398 | 0.03879 | 0.01028 | 10 | 0.25398 | 0.03879 | 0.01028 |
| Method Group 127.XX PCT | | | 10 | 0.25398 | 0.03879 | 0.01028 | 10 | 0.25398 | 0.03879 | 0.01028 |
| Isoleucine, Post-col Ninhydrin Der .... | 994.12 | 128.00 | 10 | 0.32433 | 0.03530 | 0.01944 | 9 | 0.32942 | 0.03026 | 0.01238 |
| Method Group 128.XX PCT | | | 10 | 0.32433 | 0.03530 | 0.01944 | 9 | 0.32942 | 0.03026 | 0.01238 |
| Leucine, Post-col Ninhydrin Der ..... | 994.12 | 129.00 | 10 | 0.65026 | 0.04241 | 0.01790 | 10 | 0.65026 | 0.04241 | 0.01790 |
| Method Group 129.XX PCT | | | 10 | 0.65026 | 0.04241 | 0.01790 | 10 | 0.65026 | 0.04241 | 0.01790 |
| L-Lysine, Post-col Ninhydrin Der ..... | 994.12 | 130.00 | 10 | 0.44386 | 0.02619 | 0.01334 | 10 | 0.44386 | 0.02619 | 0.01334 |
| L-Lysine, Pre-col AQC Der ..... | | 130.05 | 1 | 0.44500 | 0.00707 | 0.01000 | 1 | 0.44500 | 0.00707 | 0.01000 |
| L-Lysine, Misc ..... | | 130.99 | 1 | 0.43300 | 0.02121 | 0.03000 | 1 | 0.43300 | 0.02121 | 0.03000 |
| Method Group 130.XX PCT | | | 12 | 0.44305 | 0.02446 | 0.01445 | 12 | 0.44305 | 0.02446 | 0.01445 |
| Methionine, PAO Post-col Ninhydrin Der | 994.12 | 131.00 | 8 | 0.13980 | 0.01132 | 0.00520 | 8 | 0.13980 | 0.01132 | 0.00520 |
| Methionine, PAO Post-col OPA Der ..... | | 131.02 | 1 | 0.14500 | 0.00707 | 0.01000 | 1 | 0.14500 | 0.00707 | 0.01000 |
| Methionine, PAO Pre-col AQC Der ..... | | 131.05 | 1 | 0.13500 | 0.00707 | 0.01000 | 1 | 0.13500 | 0.00707 | 0.01000 |
| Method Group 131.XX PCT | | | 10 | 0.13984 | 0.01057 | 0.00616 | 10 | 0.13984 | 0.01057 | 0.00616 |
| Phenylalanine, Post-col Ninhydrin Der . | 994.12 | 132.00 | 10 | 0.41608 | 0.04655 | 0.01625 | 10 | 0.41608 | 0.04655 | 0.01625 |
| Method Group 132.XX PCT | | | 10 | 0.41608 | 0.04655 | 0.01625 | 10 | 0.41608 | 0.04655 | 0.01625 |
| Proline, Post-col Ninhydrin Der ..... | 994.12 | 133.00 | 9 | 0.56367 | 0.03992 | 0.01941 | 9 | 0.56367 | 0.03992 | 0.01941 |
| Method Group 133.XX PCT | | | 9 | 0.56367 | 0.03992 | 0.01941 | 9 | 0.56367 | 0.03992 | 0.01941 |
| Serine, Post-col Ninhydrin Der ..... | 994.12 | 134.00 | 10 | 0.45252 | 0.02673 | 0.01904 | 10 | 0.45252 | 0.02673 | 0.01904 |
| Method Group 134.XX PCT | | | 10 | 0.45252 | 0.02673 | 0.01904 | 10 | 0.45252 | 0.02673 | 0.01904 |
| Threonine, Post-col Ninhydrin Der ..... | 994.12 | 135.00 | 9 | 0.36694 | 0.01947 | 0.00790 | 9 | 0.36694 | 0.01947 | 0.00790 |
| Threonine, Pre-col AQC Der ..... | | 135.05 | 1 | 0.38000 | 0.00000 | 0.00000 | 1 | 0.38000 | 0.00000 | 0.00000 |
| Method Group 135.XX PCT | | | 10 | 0.36825 | 0.01885 | 0.00711 | 10 | 0.36825 | 0.01885 | 0.00711 |
| Tryptophan, Alka-Hydrol Post-col Ninhyd | 988.15 | 136.00 | 1 | 0.12150 | 0.00212 | 0.00300 | 1 | 0.12150 | 0.00212 | 0.00300 |
| Tryptophan, Alka-Hydrol Rev Phase LC UV | | 136.01 | 4 | 0.14043 | 0.03422 | 0.00105 | 4 | 0.14043 | 0.03422 | 0.00105 |
| Tryptophan, Misc ..... | | 136.99 | 1 | 0.12450 | 0.02192 | 0.03100 | 1 | 0.12450 | 0.02192 | 0.03100 |
| Method Group 136.XX PCT | | | 6 | 0.13462 | 0.02939 | 0.00637 | 6 | 0.13462 | 0.02939 | 0.00637 |
| Tyrosine, Post-col Ninhydrin Der ..... | 994.12 | 137.00 | 6 | 0.30010 | 0.06831 | 0.01660 | 6 | 0.30010 | 0.06831 | 0.01660 |
| Method Group 137.XX PCT | | | 6 | 0.30010 | 0.06831 | 0.01660 | 6 | 0.30010 | 0.06831 | 0.01660 |

| Method | AOAC 18th | Method Code | - Pass 1 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | - Pass 2 Results for 222 Labs - No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---|---|---|---|---|---|---|---|---|---|---|
| Valine, Post-col Ninhydrin Der ..... | 994.12 | 138.00 | 10 | 0.44029 | 0.03880 | 0.02281 | 9 | 0.44615 | 0.03172 | 0.01390 |
| Method Group 138.XX PCT | | | 10 | 0.44029 | 0.03880 | 0.02281 | 9 | 0.44615 | 0.03172 | 0.01390 |
| Aflatoxin, Vicam Aflatest ..... | 991.31 | 300.03 | 1 | 3.00000 | 0.00000 | 0.00000 | 1 | 3.00000 | 0.00000 | 0.00000 |

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 000.01 | -- |
| 202 | 22.310 | .87 |
| Avg | 12.455 | |
| 278 | 2.6000 | -.87 |
| -- | Method 001.00 | -- |
| 844 | 9.9400 | 2.03 |
| 720 | 9.3500 | .58 |
| 183 | 9.3300 | .52 |
| 169 | 9.2800 | .41 |
| Avg | 9.1200 | |
| 732 | 8.8850 | -.58 |
| 596 | 8.8000 | -.79 |
| 309 | 8.8650 | -.91 |
| 785 | 8.8600 | -.94 |
| 029 | 8.7700 | -.98 |
| 560 | 7.3950 S | -4.25 |
| 509 | 7.2100 S | -4.71 |
| -- | Method 001.03 | -- |
| 567 | 9.1000 | 1.07 |
| 686 | 9.0350 | .51 |
| Avg | 8.9888 | |
| 731 | 8.9200 | -.67 |
| 688 | 8.9000 | -1.29 |
| -- | Method 001.05 | -- |
| 610 | 9.0000 | .71 |
| -- | Method 001.07 | -- |
| 845 | 9.8150 R | 3.25 |
| 089 | 9.4550 | 1.79 |
| 142 | 9.4500 | 1.78 |
| 139 | 9.3450 | 1.42 |
| 559 | 9.3300 | 1.41 |
| 550 | 9.3325 | 1.41 |
| 199 | 9.2950 | 1.25 |
| 048 | 9.2700 | 1.17 |
| 014 | 9.1150 | 1.10 |
| 098 | 9.1800 | .95 |
| -- | Method 001.07 | -- |
| 178 | 9.0500 | .94 |
| 571 | 9.0700 | .55 |
| 015 | 9.0350 | .54 |
| 675 | 9.0700 | .50 |
| 035 | 9.0650 | .48 |
| 669 | 8.9350 | .46 |
| 616 | 8.9400 | .34 |
| 187 | 9.0150 | .31 |
| 679 | 9.0000 | .26 |
| Avg | 8.9243 | |
| 413 | 8.8500 | -.30 |
| 278 | 8.9000 | -.31 |
| 581 | 8.8800 | -.37 |
| 588 | 8.8000 | -.42 |
| 171 | 8.8150 | -.43 |
| 049 | 8.9150 | -.49 |
| 591 | 8.7850 | -.49 |
| 065 | 8.7750 | -.50 |
| 609 | 8.7500 | -.61 |
| 849 | 8.7350 | -.64 |
| 083 | 8.7250 | -.72 |
| 693 | 8.7800 | -.78 |
| 689 | 8.7000 | -.83 |
| 353 | 8.6650 | -.99 |
| 038 | 8.6300 | -1.06 |
| 297 | 8.5900 | -1.20 |
| 307 | 8.5800 | -1.28 |
| 177 | 8.4800 | -1.50 |
| 074 | 8.4500 | -1.62 |
| 045 | 8.3650 | -1.89 |
| 366 | 7.5500 s | -4.78 |
| 345 | 6.9900 s | -6.53 |
| -- | Method 001.08 | -- |
| 676 | 90.407 S | 674.35 |
| 590 | 9.3450 | .71 |
| Avg | 9.3450 | |
| -- | Method 001.99 | -- |
| 405 | 10.615 s | 4.15 |
| 615 | 9.7200 | 1.59 |
| 096 | 9.5500 | 1.23 |
| 505 | 9.4650 | .77 |
| 729 | 9.3100 | .65 |
| 357 | 9.3700 | .45 |
| 656 | 9.2950 | .29 |
| Avg | 9.2200 | |
| 630 | 9.1950 | -.08 |
| 631 | 9.1600 | -.19 |
| 665 | 9.1500 | -.21 |
| 619 | 9.1500 | -.26 |
| 536 | 8.6600 | -1.67 |
| 853 | 8.6150 | -1.80 |
| 541 | 8.3900 R | -2.79 |
| -- | Method 002.00 | -- |
| 845 | 13.570 | 1.49 |
| 028 | 13.205 | .72 |
| Avg | 12.984 | |
| 199 | 12.895 | -.23 |
| 015 | 12.740 | -.66 |
| 679 | 12.510 | -1.13 |
| -- | Method 002.01 | -- |
| 613 | 13.465 | 2.27 |
| 652 | 12.950 | .62 |
| 716 | 13.000 | .60 |
| 723 | 13.000 | .47 |
| 731 | 12.935 | .36 |
| Avg | 12.869 | |
| 098 | 12.850 | -.19 |
| 714 | 12.651 | -.80 |
| 710 | 12.620 | -.90 |
| 848 | 12.615 | -.92 |
| 656 | 12.605 | -.96 |
| -- | Method 002.02 | -- |
| 297 | 13.205 | 1.52 |
| 048 | 13.220 | 1.25 |
| 187 | 13.055 | .82 |
| 669 | 13.000 | .65 |
| 042 | 12.835 | .21 |
| 152 | 12.830 | .19 |
| Avg | 12.781 | |
| 033 | 12.525 | -.73 |
| 169 | 12.495 | -.80 |
| 043 | 12.365 | -1.17 |
| 036 | 12.285 | -1.39 |
| 307 | 12.550 R | -1.41 |
| -- | Method 002.03 | -- |
| 536 | 12.950 | .71 |
| -- | Method 002.04 | -- |
| 509 | 13.630 | 1.62 |
| 596 | 13.000 | .40 |
| Avg | 12.792 | |
| 638 | 12.650 | -.29 |
| 728 | 12.380 | -.84 |
| 405 | 12.300 | -.95 |
| -- | Method 002.05 | -- |
| 194 | 14.935 s | 5.78 |
| 621 | 13.575 | 1.99 |
| 620 | 13.388 | 1.47 |
| 591 | 13.345 | 1.37 |
| 849 | 13.195 | .95 |
| 625 | 13.030 | .51 |
| 847 | 13.015 | .43 |
| 596 | 13.000 | .39 |
| 622 | 12.964 | .30 |
| 177 | 12.900 | .14 |
| 039 | 12.869 | .03 |
| Avg | 12.861 | |
| 633 | 12.856 | -.02 |
| 552 | 12.850 | -.09 |
| 350 | 12.824 | -.11 |
| 651 | 12.821 | -.22 |
| 689 | 12.800 | -.33 |
| 178 | 12.700 | -.53 |
| 083 | 12.645 | -.65 |
| 354 | 12.570 | -.81 |
| 722 | 12.405 | -1.27 |
| 852 | 12.300 | -1.56 |
| 674 | 12.035 | -2.31 |
| -- | Method 002.06 | -- |
| 018 | 15.330 s | 5.40 |
| 417 | 14.500 s | 3.47 |
| 800 | 13.930 R | 2.24 |
| 781 | 13.895 | 2.09 |
| 816 | 13.900 | 2.08 |
| 726 | 13.879 | 2.03 |
| 363 | 13.830 | 1.92 |
| 190 | 13.725 | 1.68 |
| 645 | 13.650 | 1.51 |
| 160 | 13.650 | 1.51 |
| 615 | 13.560 | 1.42 |
| 616 | 13.595 | 1.40 |
| 001 | 13.570 | 1.34 |
| 735 | 13.525 | 1.32 |
| 825 | 13.550 | 1.28 |
| 737 | 13.500 | 1.16 |
| 505 | 13.480 | 1.13 |
| 029 | 13.470 | 1.09 |
| 541 | 13.220 R | 1.08 |
| 233 | 13.450 | 1.05 |
| 202 | 13.445 | 1.04 |
| 598 | 13.365 | 1.01 |
| 610 | 13.250 R | 1.00 |
| 065 | 13.425 | .99 |
| 051 | 13.425 | .99 |
| 074 | 13.420 | .98 |
| 034 | 13.415 | .97 |
| 511 | 13.405 | .95 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -- | Method 002.06 -- | | -- | Method 002.06 -- | | -- | Method 002.06 -- | | -- | Method 002.08 -- | | -- | Method 003.00 -- | |
| 014 | 13.395 | .95 | 650 | 13.000 | .18 | 357 | 12.630 | -.83 | 563 | 11.997 | -1.87 | 849 | 3.9750 s | 5.41 |
| 121 | 13.375 | .89 | 670 | 13.028 | .15 | 144 | 12.625 | -.85 | | | | 596 | 3.4000 S | 3.42 |
| 454 | 13.370 | .87 | 743 | 13.055 | .14 | 036 | 12.625 | -.85 | -- | Method 002.10 -- | | 527 | 3.0600 | 2.24 |
| 786 | 13.355 | .87 | 205 | 13.040 | .13 | 550 | 12.630 | -.85 | 856 | 13.280 | 1.57 | 179 | 2.9465 | 1.85 |
| 010 | 13.365 | .86 | 017 | 13.025 | .08 | 337 | 12.620 | -.86 | 629 | 13.030 | .65 | 726 | 2.8092 | 1.40 |
| 185 | 13.365 | .85 | 596 | 13.000 | .01 | 676 | 12.638 | -.87 | 596 | 13.000 | .56 | 563 | 2.7458 | 1.15 |
| 843 | 13.355 | .84 | Avg | 12.994 | | 038 | 12.595 | -.92 | 688 | 12.950 | .43 | 132 | 2.6900 | 1.06 |
| 829 | 12.995 R | .81 | 037 | 12.985 | -.08 | 021 | 12.555 | -1.01 | 546 | 12.935 | .38 | 152 | 2.7000 | .99 |
| 108 | 13.340 | .80 | 003 | 12.960 | -.10 | 096 | 12.515 | -1.10 | Avg | 12.819 | | 106 | 2.6850 | .94 |
| 002 | 13.225 | .76 | 138 | 12.965 | -.12 | 139 | 12.520 | -1.11 | 675 | 12.680 | -.43 | 848 | 2.6100 | .71 |
| 510 | 13.300 | .74 | 199 | 12.990 | -.14 | 049 | 12.530 | -1.11 | 619 | 12.700 | -.48 | 307 | 2.6000 | .64 |
| 778 | 13.295 | .72 | 559 | 12.935 | -.15 | 026 | 12.510 | -1.11 | 631 | 12.635 | -.65 | 354 | 2.5550 | .50 |
| 808 | 13.305 | .72 | 619 | 12.950 | -.15 | 567 | 12.445 | -1.29 | 727 | 12.560 R | -1.44 | 309 | 2.4550 | .39 |
| 693 | 13.300 | .71 | 413 | 12.950 | -.15 | 168 | 12.450 | -1.29 | 729 | 12.165 | -2.03 | 164 | 2.5250 | .38 |
| 732 | 13.255 | .71 | 142 | 12.900 | -.22 | 588 | 12.420 | -1.32 | | | | 194 | 2.4550 | .15 |
| 119 | 13.065 R | .70 | 212 | 12.955 | -.24 | 148 | 12.410 | -1.34 | -- | Method 002.11 -- | | 139 | 2.4400 | .14 |
| 366 | 13.000 R | .69 | 571 | 12.878 | -.27 | 100 | 12.390 | -1.39 | 631 | 14.285 | 1.08 | 033 | 2.4250 | .04 |
| 853 | 13.280 | .66 | 033 | 12.875 | -.28 | 358 | 12.670 R | -1.41 | 178 | 14.200 | .99 | 048 | 2.4200 | .02 |
| 529 | 13.270 | .64 | 278 | 12.900 | -.31 | 609 | 12.365 | -1.52 | 724 | 14.200 | .99 | Avg | 2.4144 | |
| 263 | 13.269 | .63 | 175 | 12.900 | -.31 | 011 | 12.335 | -1.52 | 688 | 14.050 | .85 | 026 | 2.4050 | -.04 |
| 508 | 13.169 | .61 | 762 | 12.865 | -.32 | 590 | 12.325 | -1.54 | 588 | 13.830 | .66 | 035 | 2.3750 | -.21 |
| 294 | 13.220 | .54 | 098 | 12.850 | -.35 | 013 | 12.320 | -1.55 | 011 | 13.800 | .63 | 015 | 2.4000 | -.35 |
| 520 | 13.185 | .50 | 106 | 12.850 | -.36 | 539 | 12.310 | -1.57 | Avg | 13.098 | | 190 | 2.2750 | -.50 |
| 242 | 13.190 | .47 | 164 | 12.835 | -.36 | 687 | 12.150 | -1.94 | 553 | 12.355 | -.69 | 615 | 2.2350 | -.62 |
| 345 | 13.140 | .46 | 720 | 12.990 | -.37 | 682 | 12.130 | -1.98 | 665 | 12.250 | -.79 | 337 | 2.2350 | -.64 |
| 752 | 13.185 | .44 | 179 | 12.832 | -.40 | 512 | 12.105 | -2.04 | 727 | 11.812 | -1.15 | 265 | 2.2400 | -.65 |
| 646 | 13.000 | .41 | 110 | 12.975 | -.43 | 527 | 12.060 | -2.16 | 731 | 11.700 | -1.26 | 175 | 2.1900 | -.87 |
| 353 | 13.155 | .41 | 045 | 12.800 | -.44 | 692 | 12.000 | -2.29 | 567 | 11.600 | -1.34 | 345 | 2.1500 | -.93 |
| 016 | 13.100 | .34 | 794 | 12.884 | -.46 | 132 | 11.870 | -2.61 | | | | 212 | 2.1350 | -1.09 |
| 673 | 13.100 | .34 | 630 | 12.780 | -.49 | 265 | 11.600 A | -3.21 | -- | Method 002.99 -- | | 187 | 2.0600 | -1.23 |
| 554 | 13.135 | .33 | 226 | 12.800 | -.50 | 122 | 11.160 s | -4.22 | 305 | 13.285 | .95 | 142 | 2.0500 | -1.28 |
| 712 | 13.100 | .31 | 686 | 12.765 | -.54 | | | | 657 | 13.205 | .49 | 616 | 2.0050 | -1.43 |
| 042 | 13.090 | .29 | 019 | 12.745 | -.58 | -- | Method 002.08 -- | | 643 | 13.135 | .27 | 509 | 1.9900 | -1.48 |
| 006 | 13.115 | .28 | 309 | 12.730 | -.61 | 208 | 13.100 | .79 | Avg | 13.094 | | 353 | 1.9800 | -1.57 |
| 047 | 13.100 | .24 | 660 | 12.730 | -.63 | 062 | 13.067 | .73 | 724 | 12.750 | -1.51 | 613 | 1.5500 R | -3.14 |
| 171 | 13.000 | .23 | 298 | 12.710 | -.65 | 610 | 13.000 | .55 | 826 | 12.000 s | -5.00 | | | |
| 035 | 13.065 | .21 | 647 | 12.675 | -.74 | 855 | 12.940 | .44 | | | | | | |
| 229 | 13.060 | .19 | 407 | 12.655 | -.78 | Avg | 12.772 | | | | | | | |
| 770 | 13.075 | .19 | 089 | 12.640 | -.81 | 160 | 12.525 | -.59 | | | | | | |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 003.06 -- | |
| 567 | 19.615 s | 74.30 |
| 621 | 2.7200 | 2.91 |
| 688 | 2.4500 | 1.78 |
| 074 | 2.4200 R | 1.73 |
| 199 | 2.2800 | 1.05 |
| 588 | 2.2750 | 1.03 |
| 689 | 2.2000 | .83 |
| 148 | 2.1500 | .50 |
| 297 | 2.0450 | .20 |
| 511 | 2.0650 | .15 |
| Avg | 2.0318 | |
| 229 | 2.0250 | -.11 |
| 669 | 1.9900 | -.24 |
| 647 | 1.9650 | -.29 |
| 731 | 1.9600 | -.31 |
| 083 | 1.9500 | -.41 |
| 294 | 1.9350 | -.43 |
| 559 | 2.0300 R | -.59 |
| 185 | 1.8900 | -.60 |
| 682 | 1.8700 | -.68 |
| 852 | 1.9000 | -.70 |
| 305 | 1.8500 | -.77 |
| 552 | 1.8400 | -.82 |
| 122 | 1.8250 | -.89 |
| 625 | 1.7950 | -1.00 |
| 169 | 1.7200 | -1.32 |
| -- | Method 003.09 -- | |
| 358 | 2.9950 s | 3.60 |
| 722 | 2.5467 | 1.44 |
| 674 | 2.5100 | 1.29 |
| 590 | 2.4750 | 1.11 |
| 651 | 2.4405 | .97 |
| 656 | 2.4200 | .96 |
| 714 | 2.4250 | .96 |
| 098 | 2.3000 R | .76 |
| 620 | 2.4031 | .76 |
| 673 | 2.4000 | .74 |
| 350 | 2.3877 | .68 |
| -- | Method 003.09 -- | |
| 263 | 2.3417 | .46 |
| 029 | 2.3000 | .39 |
| 630 | 2.3150 | .34 |
| 226 | 2.3000 | .26 |
| 510 | 2.2500 | .24 |
| 354 | 2.2850 | .19 |
| 723 | 2.2850 | .19 |
| Avg | 2.2445 | |
| 675 | 2.1600 | -.41 |
| 633 | 2.1470 | -.48 |
| 038 | 2.1450 | -.49 |
| 027 | 2.1400 | -.55 |
| 183 | 2.1050 | -.73 |
| 505 | 2.0650 | -.86 |
| 001 | 2.0450 | -.95 |
| 004 | 2.1750 R | -.99 |
| 013 | 1.8300 | -1.99 |
| 554 | 1.8300 | -2.00 |
| 121 | 1.8050 | -2.10 |
| -- | Method 003.10 -- | |
| 609 | 3.7300 s | 10.31 |
| 233 | 2.4100 | 2.39 |
| 051 | 2.2800 R | 1.89 |
| 619 | 2.2550 | 1.47 |
| 623 | 2.2157 | 1.24 |
| 856 | 2.2050 | 1.15 |
| 045 | 2.2000 | 1.10 |
| 693 | 2.1750 | .96 |
| 366 | 2.1500 | .86 |
| 208 | 2.1200 | .82 |
| 676 | 2.0780 | .39 |
| 629 | 2.0200 | .12 |
| 598 | 2.0200 | .12 |
| Avg | 2.0168 | |
| 100 | 2.0000 | -.12 |
| 062 | 1.9875 | -.18 |
| 034 | 1.9850 | -.19 |
| 242 | 2.0000 | -.21 |
| -- | Method 003.10 -- | |
| 720 | 1.9950 | -.41 |
| 042 | 1.9550 | -.46 |
| 520 | 1.9500 | -.47 |
| 298 | 1.9300 | -.53 |
| 098 | 1.9500 | -.58 |
| 119 | 1.9050 | -.68 |
| 679 | 1.9050 | -.69 |
| 089 | 1.8750 | -.85 |
| 363 | 1.8650 | -.94 |
| 728 | 1.8550 | -.98 |
| 202 | 1.8400 | -1.07 |
| 727 | 1.9810 R | -2.17 |
| 591 | 1.7000 R | -2.29 |
| 160 | 1.6070 | -2.47 |
| -- | Method 003.11 -- | |
| 631 | 2.2300 | 1.00 |
| 588 | 2.2400 | .99 |
| 724 | 2.2100 | .87 |
| 688 | 2.0500 | .28 |
| 567 | 2.0600 | .24 |
| Avg | 2.0041 | |
| 731 | 1.8850 | -.59 |
| 727 | 1.8077 | -.82 |
| 011 | 1.5500 | -1.90 |
| -- | Method 003.12 -- | |
| 670 | 2.4250 | 1.12 |
| 171 | 2.3200 | .37 |
| Avg | 2.3150 | |
| 357 | 2.2000 | -1.05 |
| -- | Method 003.13 -- | |
| 646 | 2.5400 | 1.63 |
| 205 | 2.1020 | .21 |
| Avg | 2.0414 | |
| 028 | 2.0300 | -.05 |
| 660 | 1.8550 | -.61 |
| 553 | 1.6800 | -1.20 |
| -- | Method 003.14 -- | |
| 686 | 9.5150 s | 33.03 |
| 413 | 2.4500 | 1.72 |
| 581 | 2.2650 | 1.00 |
| 407 | 2.2800 | .95 |
| 110 | 2.1350 | .71 |
| 853 | 2.2150 | .71 |
| 049 | 2.0900 | .63 |
| 185 | 2.1200 | .30 |
| 144 | 2.0700 | .05 |
| Avg | 2.0655 | |
| 019 | 2.0650 | -.16 |
| 278 | 2.0500 | -.23 |
| 175 | 1.9400 | -.58 |
| 529 | 1.8250 | -1.07 |
| 550 | 1.8125 | -1.13 |
| 108 | 1.6000 | -2.07 |
| -- | Method 003.99 -- | |
| 855 | 4.3500 S | 8.97 |
| 826 | 3.9050 S | 7.11 |
| 417 | 3.6650 S | 6.24 |
| 724 | 2.4050 | 1.27 |
| 737 | 2.4450 | .97 |
| 657 | 2.3200 | .80 |
| 712 | 2.3250 | .73 |
| 847 | 2.3050 | .38 |
| 631 | 2.2400 | .14 |
| Avg | 2.2144 | |
| 546 | 2.0950 | -.50 |
| 536 | 2.0450 | -.72 |
| 047 | 1.7500 | -1.96 |
| -- | Method 004.00 -- | |
| 337 | 27.100 R | 1.92 |
| 855 | 27.275 | 1.84 |
| 015 | 27.150 | 1.77 |
| 511 | 27.050 | 1.69 |
| 208 | 26.250 | 1.14 |
| 647 | 26.120 | 1.05 |
| -- | Method 004.00 -- | |
| 559 | 26.060 | 1.01 |
| 265 | 25.580 | .71 |
| 298 | 25.290 | .48 |
| 509 | 25.045 | .35 |
| 226 | 24.950 | .30 |
| 164 | 24.800 | .16 |
| 596 | 24.650 | .11 |
| 563 | 24.630 | .03 |
| Avg | 24.598 | |
| 309 | 24.480 | -.13 |
| 171 | 24.360 | -.19 |
| 354 | 24.230 | -.27 |
| 169 | 24.180 | -.29 |
| 510 | 23.850 | -.52 |
| 042 | 23.845 | -.52 |
| 190 | 23.830 | -.53 |
| 726 | 23.821 | -.54 |
| 034 | 23.680 | -.64 |
| 175 | 23.600 | -.74 |
| 194 | 23.415 | -.81 |
| 199 | 23.115 R | -1.16 |
| 048 | 22.190 | -1.65 |
| 353 | 22.175 | -1.71 |
| 132 | 21.635 | -2.04 |
| 345 | 19.950 s | -4.72 |
| -- | Method 004.01 -- | |
| 366 | 29.350 S | 6.58 |
| 693 | 26.055 | .71 |
| Avg | 26.055 | |
| -- | Method 004.03 -- | |
| 045 | 24.600 | 1.28 |
| Avg | 23.765 | |
| 679 | 23.445 | -.48 |
| 619 | 23.250 | -.80 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -- | Method 004.06 -- | | -- | Method 004.07 -- | | -- | Method 004.07 -- | | -- | Method 005.00 -- | | -- | Method 005.00 -- | |
| 638 | 27.650 s | 3.80 | 567 | 30.350 s | 4.96 | 185 | 23.095 | -.73 | 682 | 8.9000 | 1.51 | 845 | 8.6900 | .53 |
| 609 | 26.510 | 2.39 | 202 | 27.195 | 2.52 | 074 | 23.080 | -.75 | 160 | 8.8900 | 1.47 | 712 | 8.6200 | .43 |
| 178 | 25.850 | 1.55 | 669 | 26.765 | 2.15 | 646 | 22.880 | -.90 | 646 | 8.8700 | 1.39 | 731 | 8.6550 | .42 |
| 845 | 25.695 | 1.36 | 042 | 26.415 R | 2.09 | 278 | 22.450 | -1.24 | 619 | 8.8650 | 1.36 | 693 | 8.6650 | .42 |
| 656 | 25.580 | 1.21 | 011 | 26.140 | 1.66 | 004 | 22.445 | -1.25 | 108 | 8.7950 R | 1.31 | 413 | 8.6500 | .41 |
| 716 | 25.500 | 1.11 | 682 | 25.800 | 1.39 | 183 | 22.260 | -1.39 | 647 | 8.8500 | 1.30 | 675 | 8.6500 | .41 |
| 591 | 25.365 | .96 | 505 | 25.720 | 1.36 | 019 | 21.140 | -2.27 | 770 | 8.8350 | 1.22 | 226 | 8.6500 | .41 |
| 674 | 25.245 | .80 | 407 | 25.700 | 1.32 | 536 | 20.920 | -2.48 | 710 | 8.8350 | 1.21 | 630 | 8.6500 | .35 |
| 728 | 25.175 | .71 | 631 | 24.105 R | .96 | | | | 676 | 8.8265 | 1.17 | 781 | 8.5900 | .33 |
| 723 | 25.170 | .70 | 089 | 25.175 | .90 | -- | Method 004.11 -- | | 735 | 8.7350 R | 1.14 | 454 | 8.6300 | .31 |
| 731 | 24.820 | .68 | 529 | 25.000 | .76 | 588 | 24.680 | 1.55 | 183 | 8.8050 | 1.13 | 034 | 8.6200 | .31 |
| 588 | 25.080 | .60 | 144 | 24.625 | .47 | 727 | 24.436 | 1.29 | 029 | 8.7700 | 1.09 | 539 | 8.5850 | .26 |
| 625 | 25.060 | .57 | 122 | 24.585 | .44 | 731 | 23.965 | .75 | 629 | 8.8050 | 1.08 | 651 | 8.6315 | .26 |
| 670 | 24.925 | .52 | 098 | 24.400 | .43 | 567 | 23.500 | .26 | 363 | 8.8050 | 1.07 | 529 | 8.6250 | .25 |
| 029 | 24.995 | .51 | 021 | 24.450 | .38 | Avg | 23.277 | | 015 | 8.7050 R | 1.06 | 065 | 8.6300 | .25 |
| 350 | 24.995 | .49 | 294 | 24.485 | .36 | 178 | 23.050 | -.30 | 688 | 8.8000 | 1.05 | 686 | 8.6200 | .22 |
| 675 | 24.745 | .37 | 686 | 24.420 | .31 | 688 | 22.750 | -.60 | 357 | 8.8000 | 1.05 | 278 | 8.6000 | .22 |
| 673 | 24.750 | .19 | 610 | 24.350 | .28 | 724 | 22.650 | -.69 | 856 | 8.7400 R | 1.04 | 187 | 8.6200 | .20 |
| 552 | 24.655 | .12 | 026 | 24.360 | .27 | 631 | 22.565 | -.79 | 689 | 8.7100 R | .98 | 004 | 8.6100 | .16 |
| 038 | 24.660 | .12 | 643 | 24.320 | .25 | 011 | 21.900 | -1.50 | 510 | 8.7750 | .95 | 849 | 8.6000 | .12 |
| Avg | 24.607 | | 229 | 24.150 | .22 | | | | 669 | 8.7700 | .92 | 722 | 8.5915 | .10 |
| 620 | 24.303 | -.38 | 581 | 24.160 | .10 | -- | Method 004.99 -- | | 294 | 8.7600 | .86 | 354 | 8.5850 | .04 |
| 354 | 24.305 | -.44 | 708 | 24.110 | .08 | 613 | 24.150 | 1.01 | 185 | 8.7400 | .85 | 089 | 8.5850 | .04 |
| 590 | 24.140 | -.59 | 100 | 24.070 | .06 | 629 | 24.010 | .85 | 139 | 8.7500 | .84 | Avg | 8.5773 | |
| 722 | 24.053 | -.69 | Avg | 24.029 | | Avg | 23.130 | | 591 | 8.7550 | .84 | 152 | 8.5700 | -.06 |
| 689 | 24.050 | -.72 | 035 | 23.935 | -.07 | 657 | 22.310 | -.80 | 679 | 8.7500 | .82 | 035 | 8.5600 | -.12 |
| 848 | 23.990 | -.77 | 003 | 23.880 | -.14 | 724 | 22.050 | -1.05 | 265 | 8.7450 | .79 | 298 | 8.5500 | -.14 |
| 598 | 23.955 | -.81 | 013 | 23.925 | -.17 | | | | 045 | 8.6500 R | .78 | 242 | 8.5550 | -.16 |
| 710 | 23.940 | -.83 | 110 | 23.780 | -.22 | -- | Method 005.00 -- | | 305 | 8.7400 | .77 | 100 | 8.5600 | -.20 |
| 610 | 24.050 | -.89 | 096 | 23.750 | -.22 | 164 | 9.1250 | 2.57 | 148 | 8.7300 | .72 | 620 | 8.5289 | -.23 |
| 676 | 23.819 | -.98 | 554 | 24.000 | -.24 | 132 | 9.0800 | 2.36 | 062 | 8.5960 R | .72 | 563 | 8.5274 | -.23 |
| 205 | 24.000 R | -1.07 | 160 | 23.715 | -.25 | 527 | 9.0100 | 2.07 | 720 | 8.7250 | .70 | 816 | 8.5500 | -.27 |
| 621 | 23.745 | -1.08 | 028 | 23.700 | -.30 | 297 | 9.0000 | 1.98 | 622 | 8.7210 | .68 | 142 | 8.5500 | -.27 |
| 098 | 23.850 R | -1.25 | 121 | 23.625 | -.39 | 726 | 8.9854 | 1.92 | 407 | 8.6950 | .66 | 656 | 8.5150 | -.30 |
| 849 | 23.550 | -1.32 | 033 | 23.450 | -.49 | 345 | 8.9600 | 1.80 | 337 | 8.6800 | .64 | 853 | 8.5100 | -.33 |
| 633 | 23.407 | -1.50 | 520 | 23.610 | -.54 | 855 | 8.9150 | 1.59 | 229 | 8.7100 | .64 | 631 | 8.5100 | -.33 |
| 688 | 23.350 | -1.58 | 307 | 23.300 | -.65 | 588 | 8.9050 | 1.54 | 038 | 8.7100 | .63 | 559 | 8.5700 | -.33 |
| 720 | 23.920 R | -1.59 | 413 | 23.200 | -.69 | 307 | 8.9000 | 1.52 | 590 | 8.7100 | .62 | 350 | 8.5101 | -.33 |
| 508 | 23.205 | -1.77 | 242 | 23.130 | -.71 | 567 | 8.9000 | 1.51 | 366 | 8.7000 | .58 | 743 | 8.5150 | -.34 |

* 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 008.02 -- | | -- | Method 008.99 -- | |
| 098 | 8.5450 | -.34 | 121 | 8.3440 | -1.10 | 657 | 8.8800 | 1.21 | 083 | 31.600 | -.77 | 610 | 31.250 | -.84 |
| 729 | 8.5200 | -.36 | 732 | 8.3400 | -1.14 | 724 | 8.8500 | 1.07 | 619 | 31.350 | -.89 | 358 | 31.670 | -.94 |
| 643 | 8.5350 | -.36 | 179 | 8.3340 | -1.14 | 096 | 8.7500 | .68 | 590 | 30.250 | -1.44 | | | |
| 144 | 8.4950 | -.39 | 175 | 8.3300 | -1.17 | 546 | 8.7200 | .52 | 405 | 29.725 | -1.70 | -- | Method 009.04 -- | |
| 171 | 8.4950 | -.40 | 829 | 8.3100 | -1.26 | 122 | 8.6300 R | .49 | 527 | 28.595 | -2.26 | 726 | 48.427 | .71 |
| 660 | 8.5600 | -.43 | 001 | 8.3150 | -1.28 | 673 | 8.7000 | .43 | | | | | | |
| 358 | 8.4800 | -.46 | 027 | 8.3100 | -1.29 | 716 | 8.7000 | .43 | -- | Method 008.05 -- | | -- | Method 009.07 -- | |
| 083 | 8.4750 | -.49 | 505 | 8.2800 | -1.40 | 652 | 8.7000 | .43 | 265 | 34.200 | -.71 | 675 | 52.015 s | 4.15 |
| 550 | 8.4775 | -.50 | 033 | 8.2800 | -1.40 | Avg | 8.6004 | | | | | 307 | 50.150 | 2.64 |
| 541 | 8.4650 | -.53 | 021 | 8.2850 | -1.43 | 536 | 8.5750 | -.15 | -- | Method 008.08 -- | | 297 | 47.650 | .62 |
| 621 | 8.4650 | -.53 | 110 | 8.2650 | -1.51 | 208 | 8.5050 | -.41 | 536 | 35.685 | 1.93 | 083 | 47.500 | .55 |
| 848 | 8.4550 | -.63 | 598 | 8.2550 | -1.52 | 728 | 8.4350 | -.76 | 510 | 35.600 | 1.86 | 309 | 47.525 | .52 |
| 778 | 8.4300 | -.69 | 596 | 8.2500 | -1.55 | 847 | 8.3400 | -1.12 | 004 | 34.355 | .87 | 187 | 47.375 | .41 |
| 199 | 8.4300 | -.69 | 119 | 8.2250 | -1.69 | 826 | 8.0500 | -2.36 | 164 | 34.350 | .78 | 045 | 46.950 | .13 |
| 202 | 8.4250 | -.72 | 615 | 8.1500 | -2.01 | 727 | 7.4650 s | -8.20 | 413 | 33.850 | .66 | 098 | 46.930 | .06 |
| 178 | 8.5500 R | -.72 | 616 | 8.2250 R | -2.07 | | | | 037 | 34.135 | .59 | 613 | 46.925 | .04 |
| 552 | 8.4250 | -.72 | 417 | 8.1200 | -2.15 | -- | Method 006.05 -- | | 049 | 34.045 | .55 | Avg | 46.885 | |
| 625 | 8.4200 | -.74 | 670 | 8.1150 | -2.17 | 710 | 5.9250 | .71 | 202 | 33.985 | .49 | 656 | 46.540 | -.36 |
| 520 | 8.4150 | -.78 | 212 | 7.8950 A | -3.23 | | | | 001 | 33.950 X | .45 | 179 | 46.345 | -.44 |
| 623 | 8.4078 | -.80 | 852 | 7.8000 s | -3.77 | -- | Method 006.99 -- | | 033 | 33.650 | .22 | 353 | 46.150 | -.69 |
| 048 | 8.4050 | -.81 | | | | 856 | 5.6000 | .71 | Avg | 33.445 | | 226 | 45.800 | -.97 |
| 800 | 8.4450 | -.85 | -- | Method 005.02 -- | | | | | 106 | 33.240 | -.23 | 590 | 45.585 | -1.06 |
| 808 | 8.3950 | -.86 | 610 | 8.6550 | -.71 | -- | Method 008.02 -- | | 026 | 33.425 X | -.33 | 693 | 44.960 | -1.58 |
| 019 | 8.4000 | -.86 | | | | 038 | 36.230 | 1.54 | 581 | 33.020 | -.38 | | | |
| 762 | 8.3900 | -.88 | -- | Method 005.03 -- | | 179 | 35.765 | 1.31 | 357 | 32.800 | -.56 | -- | Method 009.09 -- | |
| 205 | 8.4000 | -.88 | 785 | 8.4650 | .86 | 171 | 35.100 | 1.01 | 693 | 32.795 | -.62 | 510 | 47.700 | 2.04 |
| 353 | 8.3950 | -.89 | Avg | 8.1375 | | 187 | 34.730 | .79 | 185 | 32.475 | -.83 | 265 | 46.150 R | 1.49 |
| 194 | 8.3750 | -.95 | 737 | 7.8100 | -.87 | 148 | 34.465 | .66 | 294 | 32.240 | -1.03 | 106 | 47.090 | 1.47 |
| 138 | 8.3750 | -.96 | | | | 353 | 34.320 | .64 | 278 | 32.050 | -1.20 | 037 | 46.585 | 1.01 |
| 674 | 8.3750 | -.96 | -- | Method 005.11 -- | | 675 | 34.105 | .52 | 110 | 31.950 | -1.34 | 278 | 45.900 | .92 |
| 049 | 8.3700 | -.98 | 731 | 9.5100 S | 1.18 | 098 | 34.160 | .51 | 160 | 31.300 | -1.84 | 413 | 45.900 | .83 |
| 051 | 8.3750 | -1.00 | 727 | 9.4931 S | 1.16 | 226 | 34.150 | .51 | 686 | 28.500 s | -4.23 | 536 | 45.680 | .57 |
| 650 | 8.3700 | -1.00 | 688 | 9.0000 | .35 | 309 | 33.555 | .22 | | | | 294 | 45.840 | .28 |
| 026 | 8.3600 | -1.02 | Avg | 8.4250 | | 728 | 33.535 | .20 | -- | Method 008.99 -- | | Avg | 45.543 | |
| 609 | 8.3800 | -1.04 | 724 | 8.4650 | -.52 | 045 | 33.500 | .19 | 307 | 36.100 | 1.76 | 049 | 45.140 | -.40 |
| 723 | 8.3550 | -1.04 | 588 | 8.1250 | -1.08 | 035 | 33.365 | .11 | 297 | 33.490 | .50 | 686 | 45.040 | -.48 |
| 752 | 8.4100 R | -1.05 | 631 | 8.1100 | -1.10 | Avg | 33.137 | | Avg | 32.721 | | 202 | 45.050 | -.67 |
| 633 | 8.3508 | -1.06 | 178 | 7.0500 S | -2.82 | 613 | 32.210 | -.48 | 656 | 31.950 | -.52 | 357 | 45.100 | -.79 |
| 309 | 8.3750 | -1.07 | 665 | 0.1300 s | -14.08 | 726 | 32.028 | -.55 | 646 | 31.865 | -.55 | 160 | 44.670 | -.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 |
|---|---|---|
| -- | Method 009.09 | -- |
| 164 | 44.600 | -.90 |
| 185 | 44.470 | -1.02 |
| 581 | 44.385 | -1.10 |
| -- | Method 009.99 | -- |
| 619 | 44.900 | .96 |
| 610 | 44.200 | .25 |
| Avg | 43.948 | |
| 646 | 42.745 | -1.23 |
| 643 | 31.320 S | -19.52 |
| -- | Method 010.03 | -- |
| 843 | 7.6650 | 1.05 |
| 027 | 7.0350 | .27 |
| Avg | 7.0167 | |
| 826 | 6.3500 | -1.15 |
| 546 | 6.0200 S | -1.63 |
| -- | Method 010.11 | -- |
| 631 | 9.3650 | 1.09 |
| 688 | 9.3500 | 1.01 |
| 724 | 9.3350 | .93 |
| 588 | 9.2400 | .56 |
| 731 | 9.1200 | .54 |
| Avg | 9.1102 | |
| 212 | 9.0800 | -.17 |
| 567 | 8.8900 | -.91 |
| 178 | 8.8500 | -1.23 |
| 727 | 8.7622 | -1.57 |
| -- | Method 010.99 | -- |
| 847 | 10.560 R | 2.04 |
| 621 | 10.265 | 1.61 |
| 714 | 10.228 | 1.56 |
| 726 | 9.6493 | .77 |
| 417 | 9.5100 R | .68 |
| 673 | 9.5500 | .64 |
| 652 | 9.3500 | .42 |
| 724 | 9.3800 | .41 |
| -- | Method 010.99 | -- |
| 527 | 9.2800 | .27 |
| 852 | 9.2150 | .18 |
| 529 | 9.1850 | .14 |
| 037 | 9.1550 | .12 |
| Avg | 9.0823 | |
| 716 | 8.9500 | -.19 |
| 657 | 8.6250 | -.62 |
| 337 | 8.5650 | -.71 |
| 168 | 8.5450 | -.73 |
| 613 | 7.9500 | -1.54 |
| 712 | 7.4250 | -2.26 |
| -- | Method 011.01 | -- |
| 305 | 12.510 s | 6.58 |
| 108 | 11.405 R | 3.04 |
| 808 | 11.290 | 2.61 |
| 800 | 10.960 | 1.57 |
| 559 | 10.870 R | 1.54 |
| 816 | 10.960 | 1.53 |
| 121 | 10.944 | 1.48 |
| 541 | 10.940 | 1.47 |
| 737 | 10.925 | 1.42 |
| 675 | 10.915 | 1.39 |
| 242 | 10.910 | 1.37 |
| 100 | 10.900 | 1.34 |
| 205 | 10.860 | 1.22 |
| 625 | 10.650 R | 1.19 |
| 778 | 10.840 | 1.15 |
| 643 | 10.800 | 1.06 |
| 743 | 10.780 | .95 |
| 752 | 10.770 | .93 |
| 848 | 10.770 | .92 |
| 208 | 10.750 | .86 |
| 358 | 10.555 R | .79 |
| 185 | 10.730 | .79 |
| 781 | 10.710 | .72 |
| 825 | 10.700 | .68 |
| 510 | 10.700 | .68 |
| 098 | 10.565 R | .68 |
| -- | Method 011.01 | -- |
| 051 | 10.495 R | .57 |
| 520 | 10.655 | .57 |
| 633 | 10.655 | .54 |
| 144 | 10.600 | .48 |
| 454 | 10.635 | .47 |
| 110 | 10.605 | .42 |
| 539 | 10.565 | .39 |
| 647 | 10.600 | .37 |
| 735 | 10.600 | .36 |
| 171 | 10.545 | .33 |
| 591 | 10.560 | .32 |
| 026 | 10.580 | .31 |
| 138 | 10.575 | .29 |
| 194 | 10.575 | .28 |
| 033 | 10.570 | .26 |
| 670 | 10.550 | .24 |
| 122 | 10.515 | .23 |
| 722 | 10.555 | .22 |
| 309 | 10.555 | .22 |
| 164 | 10.550 | .20 |
| 622 | 10.530 | .19 |
| 233 | 10.490 | .16 |
| 148 | 10.500 | .13 |
| 179 | 10.528 | .13 |
| 596 | 10.500 | .03 |
| Avg | 10.490 | |
| 620 | 10.485 | -.06 |
| 682 | 10.470 | -.06 |
| 202 | 10.475 | -.07 |
| 651 | 10.458 | -.10 |
| 119 | 10.450 | -.13 |
| 855 | 10.435 | -.20 |
| 563 | 10.404 | -.28 |
| 226 | 10.350 | -.48 |
| 770 | 10.295 | -.63 |
| 175 | 10.300 | -.70 |
| 132 | 10.290 | -.70 |
| 354 | 10.275 | -.70 |
| 350 | 10.267 | -.73 |
| -- | Method 011.01 | -- |
| 298 | 10.250 | -.78 |
| 645 | 10.250 | -.80 |
| 660 | 10.235 | -.83 |
| 021 | 10.220 | -.88 |
| 674 | 10.230 | -.88 |
| 794 | 10.211 | -.93 |
| 598 | 10.180 | -1.01 |
| 229 | 10.180 | -1.01 |
| 710 | 10.165 | -1.06 |
| 646 | 10.180 | -1.06 |
| 762 | 10.150 | -1.11 |
| 552 | 10.140 | -1.14 |
| 623 | 10.143 | -1.15 |
| 723 | 10.120 | -1.20 |
| 062 | 10.027 | -1.51 |
| 034 | 10.015 | -1.55 |
| 511 | 9.9800 | -1.71 |
| 650 | 9.9500 | -1.77 |
| 152 | 9.7000 | -2.57 |
| 294 | 9.6800 | -2.64 |
| 004 | 9.4650 A | -3.34 |
| 363 | 9.3600 s | -3.68 |
| 843 | 9.2950 s | -3.89 |
| 407 | 8.8950 s | -5.19 |
| 829 | 8.3900 s | -6.85 |
| -- | Method 011.99 | -- |
| 265 | 9.7550 | .71 |
| Avg | 9.7550 | |
| 588 | 8.6000 S | -164.37 |
| 727 | 8.4900 S | -185.25 |
| -- | Method 012.00 | -- |
| 673 | 8.9500 R | 2.69 |
| 354 | 8.4650 | 1.26 |
| 559 | 8.3500 | .95 |
| 689 | 8.1500 | .57 |
| Avg | 8.0108 | |
| 716 | 7.9000 | -.31 |
| 178 | 7.6000 | -1.14 |
| 567 | 7.6000 | -1.14 |
| -- | Method 012.01 | -- |
| 686 | 8.1800 | .88 |
| Avg | 7.8800 | |
| 185 | 7.5800 | -.85 |
| -- | Method 012.03 | -- |
| 297 | 8.8700 | .86 |
| Avg | 7.9600 | |
| 098 | 7.0500 | -.87 |
| -- | Method 012.04 | -- |
| 106 | 9.1300 | 1.29 |
| 160 | 8.7800 | .87 |
| Avg | 8.0370 | |
| 353 | 7.9250 | -.14 |
| 510 | 7.2500 | -.92 |
| 278 | 7.1000 | -1.10 |
| -- | Method 012.11 | -- |
| 178 | 6.8000 | .87 |
| Avg | 6.0050 | |
| 731 | 5.2100 | -.86 |
| -- | Method 012.99 | -- |
| 619 | 27.700 S | .00 |
| -- | Method 013.02 | -- |
| 762 | 4.1850 | 2.02 |
| 051 | 4.0300 | 1.72 |
| 065 | 3.8400 | 1.32 |
| 800 | 3.6900 R | 1.16 |
| 616 | 3.6700 | 1.02 |
| 735 | 3.6700 | 1.01 |
| 645 | 3.6500 | .98 |
| 794 | 3.5905 | .81 |
| 643 | 3.5150 | .70 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 013.02 | -- |
| 675 | 3.5300 | .69 |
| 171 | 3.4850 | .62 |
| 100 | 3.4150 | .59 |
| 808 | 3.4200 | .49 |
| 164 | 3.3600 | .36 |
| 033 | 3.2900 | .30 |
| 354 | 3.2100 | .04 |
| Avg | 3.1913 | |
| 026 | 3.1650 | -.06 |
| 825 | 3.1500 | -.13 |
| 816 | 3.1250 | -.14 |
| 650 | 3.0550 | -.29 |
| 229 | 3.0500 | -.42 |
| 337 | 3.1100 | -.44 |
| 208 | 2.9600 | -.49 |
| 770 | 2.9600 | -.49 |
| 752 | 2.8050 | -.87 |
| 016 | 2.7650 | -.88 |
| 732 | 2.7200 | -.96 |
| 743 | 2.6050 | -1.19 |
| 778 | 2.5500 | -1.31 |
| 202 | 2.5500 | -1.31 |
| 454 | 2.4200 | -1.57 |
| 003 | 2.0800 | -2.26 |
| -- | Method 013.03 | -- |
| 591 | 1.6000 | -.71 |
| -- | Method 013.10 | -- |
| 652 | 3.9000 s | 3.55 |
| 185 | 3.5500 | 2.58 |
| 096 | 2.8250 | .60 |
| 177 | 2.8200 | .57 |
| 353 | 2.7950 | .55 |
| 160 | 2.8115 | .55 |
| 656 | 2.7300 | .33 |
| 714 | 2.7220 | .32 |
| 539 | 2.6700 | .21 |
| Avg | 2.6098 | |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 013.10 | -- |
| 062 | 2.5930 | -.16 |
| 688 | 2.5500 | -.21 |
| 673 | 2.6000 | -.27 |
| 660 | 2.5000 | -.50 |
| 610 | 2.2500 | -.99 |
| 178 | 2.2500 | -.99 |
| 716 | 2.1550 | -1.23 |
| 845 | 1.9350 | -1.85 |
| -- | Method 013.12 | -- |
| 588 | 2.1400 | .83 |
| 178 | 2.0000 | .44 |
| Avg | 1.8467 | |
| 731 | 1.4000 | -1.27 |
| -- | Method 013.13 | -- |
| 042 | 4.3250 | .85 |
| Avg | 3.6000 | |
| 581 | 2.8750 | -.89 |
| -- | Method 013.99 | -- |
| 148 | 3.1500 | 1.23 |
| Avg | 2.6200 | |
| 689 | 2.5000 | -.35 |
| 665 | 2.2100 | -.93 |
| -- | Method 015.00 | -- |
| 345 | 102.40 | 1.61 |
| 520 | 94.000 | 1.28 |
| 616 | 83.500 | .83 |
| 011 | 70.616 | .26 |
| Avg | 64.464 | |
| 169 | 62.700 | -.10 |
| 154 | 61.500 | -.14 |
| 049 | 61.885 | -.16 |
| 560 | 61.850 | -.19 |
| 021 | 59.900 | -.19 |
| 510 | 56.000 | -.36 |
| 353 | 52.865 | -.49 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 015.00 | -- |
| 164 | 6.3500 | -2.45 |
| -- | Method 016.00 | -- |
| 619 | 0.0880 | .71 |
| -- | Method 017.00 | -- |
| 560 | 16.400 | 1.86 |
| 345 | 14.555 | 1.06 |
| 353 | 12.395 | .36 |
| Avg | 11.896 | |
| 294 | 10.900 | -.40 |
| 045 | 10.500 | -.59 |
| 693 | 10.150 | -.70 |
| 049 | 10.945 | -.85 |
| 358 | 9.3250 | -1.03 |
| -- | Method 017.99 | -- |
| 307 | 11.250 | .71 |
| -- | Method 018.02 | -- |
| 154 | 0.1000 | .94 |
| Avg | 0.0869 | |
| 011 | 0.0738 | -.78 |
| -- | Method 019.00 | -- |
| 647 | 1.0450 s | 6.37 |
| 194 | 0.8150 | 1.52 |
| 716 | 0.8000 | 1.20 |
| 651 | 0.7905 | 1.01 |
| 849 | 0.7800 | .78 |
| 552 | 0.7700 | .60 |
| 175 | 0.7600 | .55 |
| 679 | 0.7600 | .36 |
| 620 | 0.7442 | .27 |
| 689 | 0.7450 | .11 |
| Avg | 0.7431 | |
| 622 | 0.7320 | -.23 |
| 043 | 0.7250 | -.49 |
| 623 | 0.7152 | -.68 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 019.00 | -- |
| 625 | 0.6800 | -1.39 |
| 621 | 0.6750 | -1.44 |
| 633 | 0.6544 | -1.87 |
| -- | Method 019.01 | -- |
| 720 | 0.9550 s | 4.18 |
| 619 | 0.8340 | 1.73 |
| 122 | 0.8300 | 1.62 |
| 152 | 0.8250 | 1.55 |
| 018 | 0.8195 | 1.41 |
| 026 | 0.8100 | 1.23 |
| 035 | 0.8100 | 1.21 |
| 233 | 0.8050 | 1.12 |
| 108 | 0.7900 R | 1.01 |
| 263 | 0.7972 | .95 |
| 354 | 0.7950 | .91 |
| 529 | 0.7950 | .91 |
| 208 | 0.7935 | .88 |
| 001 | 0.7920 | .85 |
| 675 | 0.7900 | .83 |
| 013 | 0.7735 R | .83 |
| 656 | 0.7600 R | .64 |
| 305 | 0.7750 | .58 |
| 039 | 0.7774 | .55 |
| 722 | 0.7738 | .47 |
| 098 | 0.7700 | .45 |
| 033 | 0.7695 | .39 |
| 669 | 0.7615 | .35 |
| 036 | 0.7670 | .33 |
| 139 | 0.7640 | .29 |
| 065 | 0.7645 | .29 |
| 205 | 0.7580 | .24 |
| 505 | 0.7550 | .14 |
| 307 | 0.7550 | .14 |
| 591 | 0.7565 | .13 |
| Avg | 0.7507 | |
| 178 | 0.7500 | -.01 |
| 010 | 0.7500 | -.01 |
| 646 | 0.7500 | -.01 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 019.01 | -- |
| 014 | 0.7450 | -.14 |
| 731 | 0.7450 | -.16 |
| 169 | 0.7350 | -.34 |
| 038 | 0.7340 | -.34 |
| 508 | 0.7438 | -.45 |
| 687 | 0.7250 | -.54 |
| 350 | 0.7212 | -.61 |
| 612 | 0.7150 | -.74 |
| 609 | 0.7150 | -.79 |
| 674 | 0.7100 | -.93 |
| 670 | 0.7050 | -.94 |
| 710 | 0.7050 | -.94 |
| 588 | 0.7040 | -.96 |
| 363 | 0.7000 | -1.04 |
| 650 | 0.7000 | -1.06 |
| 278 | 0.6850 | -1.35 |
| 631 | 0.6850 | -1.38 |
| 536 | 0.6615 | -1.83 |
| 019 | 0.6450 R | -2.28 |
| 563 | 0.6312 | -2.45 |
| 142 | 0.6250 | -2.58 |
| 856 | 0.0880 s | -13.57 |
| -- | Method 019.03 | -- |
| 048 | 0.9350 | 1.96 |
| 307 | 0.8650 | .74 |
| 036 | 0.8445 | .13 |
| Avg | 0.8379 | |
| 043 | 0.8100 | -.60 |
| 026 | 0.8050 | -.73 |
| 033 | 0.8060 | -.74 |
| 686 | 0.8000 | -.79 |
| -- | Method 019.05 | -- |
| 520 | 0.9500 s | 4.06 |
| 297 | 0.8850 | 2.65 |
| 226 | 0.8250 | 1.36 |
| 003 | 0.8200 | 1.25 |
| 148 | 0.8145 | 1.13 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 019.05 -- | |
| 229 | 0.8100 | 1.06 |
| 294 | 0.8100 | 1.06 |
| 553 | 0.8055 | 1.02 |
| 051 | 0.8000 | .93 |
| 171 | 0.8000 | .85 |
| 074 | 0.7850 | .51 |
| 185 | 0.7845 | .50 |
| 407 | 0.7800 | .40 |
| 300 | 0.7650 | .33 |
| 413 | 0.7650 | .33 |
| 011 | 0.7739 | .27 |
| 510 | 0.7700 | .18 |
| 026 | 0.7695 | .18 |
| Avg | 0.7613 | |
| 164 | 0.7600 | -.03 |
| 682 | 0.7600 | -.03 |
| 100 | 0.7600 | -.03 |
| 187 | 0.7530 | -.19 |
| 265 | 0.7600 | -.21 |
| 610 | 0.7470 | -.30 |
| 298 | 0.7500 | -.32 |
| 144 | 0.7500 | -.32 |
| 598 | 0.7450 | -.36 |
| 242 | 0.7450 | -.36 |
| 049 | 0.7600 | -.43 |
| 645 | 0.7348 | -.59 |
| 511 | 0.7200 | -.90 |
| 358 | 0.7200 | -.97 |
| 550 | 0.7090 | -1.11 |
| 083 | 0.7100 | -1.17 |
| 512 | 0.7078 | -1.24 |
| 089 | 0.6900 | -1.51 |
| 208 | 0.6890 | -1.54 |
| 405 | 0.6350 | -2.69 |
| -- | Method 019.08 -- | |
| 590 | 0.8250 | 1.49 |
| 729 | 0.8450 | 1.10 |
| Avg | 0.8000 | |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 019.08 -- | |
| 673 | 0.7950 | -.15 |
| 723 | 0.7760 | -.52 |
| 138 | 0.7590 | -.88 |
| -- | Method 019.09 -- | |
| 160 | 1.5518 s | 15.04 |
| 096 | 0.8500 S | 2.35 |
| 037 | 0.8650 | 1.66 |
| 345 | 0.8600 | 1.51 |
| 202 | 0.8450 | 1.38 |
| 613 | 0.8350 | 1.34 |
| 035 | 0.8450 | 1.20 |
| 017 | 0.8400 | 1.17 |
| 190 | 0.8250 | .94 |
| 726 | 0.8227 | .76 |
| 199 | 0.8044 | .46 |
| 028 | 0.7850 | .29 |
| 309 | 0.7950 | .24 |
| Avg | 0.7838 | |
| 045 | 0.7800 | -.07 |
| 186 | 0.7780 | -.18 |
| 353 | 0.7800 | -.21 |
| 021 | 0.7765 | -.22 |
| 106 | 0.7730 | -.29 |
| 042 | 0.7670 | -.33 |
| 616 | 0.7580 | -.54 |
| 693 | 0.7560 | -.55 |
| 560 | 0.7645 | -.72 |
| 567 | 0.7700 | -.83 |
| 848 | 0.7400 | -.88 |
| 366 | 0.7400 | -.88 |
| 357 | 0.7350 | -.96 |
| 668 | 0.7320 | -1.04 |
| 572 | 0.7230 | -1.48 |
| 154 | 0.6666 | -2.30 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 019.99 -- | |
| 657 | 0.8350 | 1.47 |
| 724 | 0.8250 | 1.23 |
| 121 | 0.7801 | .41 |
| Avg | 0.7763 | |
| 629 | 0.7650 | -.45 |
| 676 | 0.7590 | -.64 |
| 665 | 0.7400 | -.88 |
| 692 | 0.7300 | -1.12 |
| 852 | 0.4650 s | -7.55 |
| -- | Method 020.00 -- | |
| 164 | 5.3000 | .86 |
| Avg | 4.2967 | |
| 722 | 3.2933 | -.87 |
| -- | Method 020.01 -- | |
| 096 | 12.500 R | 1.97 |
| 021 | 11.300 | 1.42 |
| 567 | 9.2950 | .78 |
| 154 | 9.0000 | .68 |
| 011 | 6.9645 | .06 |
| Avg | 6.8628 | |
| 668 | 5.0400 | -.78 |
| 171 | 3.7500 | -1.00 |
| 560 | 2.6900 | -1.34 |
| -- | Method 020.99 -- | |
| 616 | 10.085 | -.71 |
| -- | Method 021.01 -- | |
| 619 | 2.2050 | 1.43 |
| 164 | 1.6000 | .23 |
| Avg | 1.4863 | |
| 208 | 1.1400 | -.69 |
| 689 | 1.0000 | -.97 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 021.02 -- | |
| 510 | 2.3850 | 2.39 |
| 021 | 1.9500 | 1.06 |
| 616 | 1.8700 | .80 |
| 011 | 1.6933 | .27 |
| 572 | 1.6400 | .12 |
| 169 | 1.6250 | .06 |
| Avg | 1.6072 | |
| 154 | 1.6000 | -.02 |
| 629 | 1.5150 | -.28 |
| 567 | 1.5250 | -.34 |
| 106 | 1.4000 | -.63 |
| 668 | 1.3350 | -.88 |
| 366 | 1.3500 R | -1.10 |
| 560 | 1.2050 | -1.26 |
| 171 | 1.1500 | -1.41 |
| -- | Method 021.99 -- | |
| 610 | 1.5645 | .87 |
| Avg | 1.1958 | |
| 047 | 0.8270 | -.87 |
| -- | Method 022.01 -- | |
| 278 | 30.900 | 1.85 |
| 010 | 30.500 | 1.77 |
| 038 | 29.000 | 1.47 |
| 689 | 29.250 | 1.47 |
| 035 | 28.000 | 1.19 |
| 505 | 27.500 | 1.08 |
| 508 | 26.917 | .98 |
| 591 | 26.025 | .85 |
| 646 | 26.350 | .82 |
| 208 | 25.550 | .65 |
| 305 | 23.065 | .25 |
| Avg | 22.596 | |
| 722 | 22.135 | -.17 |
| 669 | 22.215 | -.19 |
| 619 | 21.350 | -.31 |
| 350 | 21.150 | -.32 |
| 098 | 21.150 | -.35 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 022.01 -- | |
| 588 | 21.000 | -.35 |
| 014 | 22.000 | -.46 |
| 731 | 21.000 | -.47 |
| 307 | 20.300 | -.50 |
| 175 | 20.000 | -.61 |
| 354 | 19.675 | -.64 |
| 720 | 18.925 | -.81 |
| 674 | 17.500 | -1.12 |
| 710 | 17.500 | -1.12 |
| 178 | 17.000 | -1.23 |
| 675 | 17.025 | -1.23 |
| 529 | 16.700 | -1.29 |
| 590 | 15.600 | -1.54 |
| -- | Method 022.03 -- | |
| 297 | 32.500 | 2.19 |
| 520 | 29.000 | 1.48 |
| 208 | 28.900 | 1.45 |
| 300 | 28.225 | 1.31 |
| 226 | 27.000 | 1.08 |
| 144 | 26.650 | 1.02 |
| 011 | 25.213 | .70 |
| 185 | 25.000 | .68 |
| 003 | 24.500 | .63 |
| 148 | 24.550 | .56 |
| 187 | 24.320 | .51 |
| 407 | 24.000 | .45 |
| 265 | 23.000 | .32 |
| 164 | 22.500 | .18 |
| Avg | 21.789 | |
| 171 | 21.350 | -.21 |
| 100 | 20.500 | -.28 |
| 229 | 20.500 | -.28 |
| 026 | 20.900 | -.30 |
| 074 | 20.000 | -.36 |
| 510 | 19.500 | -.47 |
| 512 | 18.795 | -.65 |
| 405 | 18.500 | -.67 |
| 358 | 18.330 | -.72 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 022.03 -- | |
| 242 | 18.000 | -.77 |
| 610 | 17.400 | -.89 |
| 629 | 17.200 | -.93 |
| 049 | 16.820 | -1.11 |
| 083 | 15.000 | -1.39 |
| 550 | 13.012 | -1.78 |
| 598 | 12.500 | -1.91 |
| 553 | 0.0021 s | -4.42 |
| -- | Method 022.05 -- | |
| 017 | 37.500 s | 4.17 |
| 096 | 30.500 R | 2.08 |
| 572 | 31.500 R | 2.04 |
| 035 | 34.000 | 1.95 |
| 042 | 33.050 | 1.71 |
| 613 | 29.650 | 1.36 |
| 021 | 30.500 | 1.13 |
| 186 | 31.000 | .88 |
| 413 | 30.900 | .87 |
| 202 | 29.500 | .64 |
| 309 | 29.880 | .48 |
| 567 | 29.655 | .47 |
| 199 | 29.635 | .45 |
| 106 | 29.650 | .43 |
| 294 | 29.430 | .41 |
| 045 | 29.000 | .17 |
| Avg | 28.537 | |
| 693 | 27.850 | -.25 |
| 616 | 27.650 | -.37 |
| 726 | 27.636 | -.39 |
| 357 | 27.500 | -.41 |
| 560 | 27.900 | -.45 |
| 169 | 27.250 | -.47 |
| 190 | 27.210 | -.47 |
| 345 | 26.675 | -.75 |
| 353 | 26.535 | -.79 |
| 037 | 25.650 | -1.03 |
| 366 | 28.000 | -1.09 |
| 154 | 24.000 | -1.66 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 022.05 -- | |
| 668 | 22.250 | -2.30 |
| 160 | 16.620 s | -4.25 |
| -- | Method 022.99 -- | |
| 121 | 44.798 S | 8.91 |
| 692 | 25.700 | 1.39 |
| 846 | 25.145 | .28 |
| Avg | 24.782 | |
| 536 | 23.500 | -.70 |
| -- | Method 023.01 -- | |
| 619 | 0.0030 | .00 |
| -- | Method 025.01 -- | |
| 175 | 282.00 | 1.82 |
| 689 | 278.15 | 1.65 |
| 505 | 275.00 | 1.58 |
| 722 | 272.58 | 1.43 |
| 675 | 257.40 | .82 |
| 354 | 256.75 | .80 |
| 529 | 247.05 | .40 |
| 720 | 245.60 | .34 |
| 208 | 245.50 | .33 |
| 656 | 238.75 | .27 |
| 098 | 243.50 | .26 |
| 619 | 237.50 | .14 |
| Avg | 237.20 | |
| 646 | 235.33 | -.08 |
| 305 | 231.24 | -.24 |
| 350 | 223.50 | -.55 |
| 670 | 225.50 | -.56 |
| 591 | 223.60 | -.57 |
| 307 | 222.00 | -.62 |
| 731 | 219.35 | -.73 |
| 038 | 232.00 R | -.76 |
| 014 | 220.50 | -.76 |
| 710 | 212.50 | -1.00 |
| 278 | 211.00 | -1.15 |
| 563 | 203.62 | -1.36 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 025.01 -- | |
| 856 | 185.00 | -2.11 |
| 337 | 63.550 s | -7.00 |
| 013 | 28.300 s | -8.42 |
| -- | Method 025.03 -- | |
| 265 | 471.00 s | 9.80 |
| 229 | 303.00 | 2.46 |
| 520 | 284.50 | 1.79 |
| 297 | 269.50 | 1.29 |
| 358 | 245.99 R | .73 |
| 148 | 253.75 | .69 |
| 074 | 252.00 | .63 |
| 011 | 249.59 | .56 |
| 208 | 247.00 | .45 |
| 003 | 243.50 | .35 |
| 164 | 242.00 | .27 |
| 100 | 239.50 | .24 |
| 226 | 238.00 | .22 |
| 407 | 238.00 | .12 |
| 026 | 236.00 | .06 |
| Avg | 234.53 | |
| 187 | 233.75 | -.05 |
| 510 | 229.00 | -.20 |
| 610 | 227.05 | -.27 |
| 083 | 227.00 | -.29 |
| 300 | 224.05 | -.38 |
| 242 | 222.00 | -.47 |
| 049 | 225.16 | -.47 |
| 171 | 216.50 | -.70 |
| 144 | 203.00 | -1.15 |
| 405 | 198.00 | -1.31 |
| 598 | 186.00 | -1.74 |
| 550 | 175.49 | -2.12 |
| 553 | 0.0268 s | -8.41 |
| -- | Method 025.05 -- | |
| 160 | 289.65 | 1.99 |
| 042 | 282.50 | 1.78 |
| 096 | 255.00 R | 1.50 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 025.05 -- | |
| 045 | 266.50 | 1.16 |
| 199 | 261.70 | .91 |
| 037 | 259.30 | .82 |
| 021 | 257.50 | .78 |
| 567 | 252.11 | .62 |
| 693 | 253.50 | .60 |
| 413 | 247.00 | .52 |
| 017 | 241.00 | .16 |
| Avg | 238.18 | |
| 616 | 237.00 | -.06 |
| 169 | 228.50 | -.38 |
| 294 | 225.03 | -.51 |
| 572 | 236.50 | -.60 |
| 345 | 223.00 | -.61 |
| 106 | 222.50 | -.63 |
| 668 | 221.00 | -.81 |
| 353 | 215.75 | -.87 |
| 154 | 208.50 | -1.15 |
| 309 | 207.50 | -1.21 |
| 726 | 202.00 | -1.40 |
| 560 | 202.00 | -1.48 |
| 366 | 133.35 s | -6.45 |
| -- | Method 025.99 -- | |
| 692 | 212.70 | .71 |
| -- | Method 026.00 -- | |
| 154 | 0.1000 | -.71 |
| -- | Method 026.99 -- | |
| 619 | 0.0000 | .00 |
| -- | Method 027.01 -- | |
| 305 | 0.5600 s | 16.40 |
| 669 | 0.2960 | 2.46 |
| 720 | 0.2800 | 1.61 |
| 208 | 0.2795 | 1.59 |
| 505 | 0.2700 | 1.08 |
| 656 | 0.2600 | .77 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 027.01 -- | |
| 350 | 0.2632 | .72 |
| 010 | 0.2605 | .65 |
| 263 | 0.2604 | .59 |
| 619 | 0.2600 | .57 |
| 278 | 0.2500 | .53 |
| 038 | 0.2525 | .48 |
| 609 | 0.2550 | .39 |
| 098 | 0.2550 | .39 |
| 646 | 0.2550 | .39 |
| 065 | 0.2525 | .18 |
| 139 | 0.2500 | .05 |
| 035 | 0.2500 | .03 |
| 307 | 0.2500 | .03 |
| Avg | 0.2495 | |
| 722 | 0.2438 | -.34 |
| 169 | 0.2450 | -.35 |
| 529 | 0.2450 | -.35 |
| 731 | 0.2490 | -.37 |
| 674 | 0.2400 | -.50 |
| 014 | 0.2395 | -.56 |
| 650 | 0.2346 | -.80 |
| 675 | 0.2350 | -.81 |
| 175 | 0.2300 | -1.03 |
| 710 | 0.2250 | -1.32 |
| 142 | 0.2200 | -1.55 |
| 588 | 0.2190 | -1.61 |
| 563 | 0.2080 | -2.19 |
| -- | Method 027.03 -- | |
| 003 | 0.3300 s | 7.39 |
| 297 | 0.2900 s | 3.54 |
| 520 | 0.2800 | 2.58 |
| 413 | 0.2700 | 1.61 |
| 407 | 0.2670 | 1.33 |
| 011 | 0.2636 | 1.00 |
| 553 | 0.2600 R | .94 |
| 148 | 0.2615 | .81 |
| 629 | 0.2613 | .78 |
| 226 | 0.2600 | .65 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 027.03 -- | |
| 229 | 0.2550 | .51 |
| 265 | 0.2550 | .51 |
| 510 | 0.2550 | .51 |
| 294 | 0.2550 | .51 |
| 074 | 0.2550 | .51 |
| 405 | 0.2550 | .51 |
| 300 | 0.2575 | .41 |
| 164 | 0.2550 | .20 |
| 610 | 0.2550 | .17 |
| Avg | 0.2532 | |
| 187 | 0.2509 | -.23 |
| 144 | 0.2500 | -.31 |
| 598 | 0.2500 | -.31 |
| 049 | 0.2500 | -.31 |
| 100 | 0.2500 | -.31 |
| 550 | 0.2500 | -.31 |
| 026 | 0.2510 | -.36 |
| 185 | 0.2485 | -.46 |
| 171 | 0.2470 | -.61 |
| 051 | 0.2450 | -.93 |
| 242 | 0.2400 | -1.27 |
| 208 | 0.2385 | -1.42 |
| 512 | 0.2388 R | -1.56 |
| 083 | 0.2350 | -1.82 |
| 358 | 0.2300 | -2.23 |
| -- | Method 027.05 -- | |
| 202 | 0.2850 | 1.91 |
| 345 | 0.2850 | 1.91 |
| 096 | 0.2650 R | 1.18 |
| 027 | 0.2745 | 1.17 |
| 613 | 0.2700 | 1.07 |
| 693 | 0.2715 | 1.04 |
| 037 | 0.2725 | .95 |
| 726 | 0.2676 | .59 |
| 190 | 0.2650 | .54 |
| 199 | 0.2597 | .49 |
| 309 | 0.2660 | .47 |
| 186 | 0.2640 | .39 |
| -- | Method 027.05 -- | |
| 042 | 0.2635 | .29 |
| 106 | 0.2600 | .08 |
| 017 | 0.2600 | .03 |
| Avg | 0.2596 | |
| 154 | 0.2590 | -.26 |
| 021 | 0.2560 | -.31 |
| 616 | 0.2535 | -.47 |
| 357 | 0.2550 | -.50 |
| 560 | 0.2535 | -.61 |
| 572 | 0.2540 | -.66 |
| 366 | 0.2500 | -.71 |
| 353 | 0.2450 | -1.14 |
| 045 | 0.2450 | -1.14 |
| 668 | 0.2415 | -1.34 |
| 035 | 0.2400 | -1.45 |
| 567 | 0.2450 R | -1.55 |
| 160 | 0.2332 | -1.96 |
| -- | Method 027.99 -- | |
| 508 | 0.2774 | 1.10 |
| 121 | 0.2555 | .13 |
| Avg | 0.2543 | |
| 692 | 0.2300 | -1.13 |
| -- | Method 028.01 -- | |
| 035 | 116.00 | 2.02 |
| 013 | 112.50 | 1.73 |
| 038 | 112.50 | 1.73 |
| 689 | 112.20 | 1.67 |
| 505 | 110.00 | 1.45 |
| 619 | 105.85 R | 1.30 |
| 722 | 98.727 | .80 |
| 669 | 102.76 | .78 |
| 208 | 103.00 | .77 |
| 720 | 98.975 | .38 |
| 529 | 97.800 | .32 |
| 278 | 97.500 | .24 |
| Avg | 95.058 | |
| 588 | 92.500 | -.25 |
| -- | Method 028.01 -- | |
| 674 | 93.095 | -.33 |
| 675 | 91.060 | -.39 |
| 098 | 92.200 | -.40 |
| 656 | 90.840 | -.42 |
| 731 | 90.300 | -.46 |
| 307 | 92.000 | -.48 |
| 014 | 94.500 | -.53 |
| 175 | 94.000 | -.59 |
| 354 | 87.995 | -.70 |
| 629 | 87.500 | -.73 |
| 178 | 88.000 | -.74 |
| 305 | 86.710 | -.81 |
| 350 | 86.650 | -.81 |
| 590 | 85.450 | -.93 |
| 710 | 82.000 | -1.26 |
| 563 | 81.660 | -1.29 |
| 646 | 78.275 | -1.63 |
| -- | Method 028.03 -- | |
| 297 | 118.50 | 2.17 |
| 003 | 110.00 | 1.42 |
| 520 | 109.00 | 1.36 |
| 407 | 106.50 | 1.22 |
| 185 | 106.00 | 1.09 |
| 265 | 104.00 | 1.00 |
| 226 | 104.00 | .92 |
| 187 | 103.94 | .89 |
| 074 | 99.000 R | .70 |
| 300 | 99.435 | .53 |
| 229 | 99.500 | .52 |
| 011 | 98.970 | .48 |
| 550 | 98.850 | .45 |
| 148 | 98.650 | .43 |
| 510 | 95.500 | .20 |
| 100 | 95.000 | .11 |
| Avg | 93.707 | |
| 208 | 93.500 | -.05 |
| 242 | 90.000 | -.32 |
| 610 | 90.300 | -.37 |
| -- | Method 028.03 -- | |
| 164 | 89.000 | -.41 |
| 026 | 88.900 | -.43 |
| 083 | 89.500 | -.43 |
| 512 | 89.285 | -.51 |
| 171 | 86.900 | -.61 |
| 358 | 85.930 | -.68 |
| 144 | 84.900 | -.77 |
| 598 | 83.000 | -.94 |
| 629 | 82.600 | -.97 |
| 405 | 82.000 | -1.03 |
| 049 | 79.750 | -1.29 |
| 511 | 75.500 | -1.59 |
| 168 | 66.000 | -2.42 |
| 553 | 0.0052 s | -8.18 |
| -- | Method 028.05 -- | |
| 160 | 149.70 s | 5.60 |
| 294 | 127.61 | 2.57 |
| 693 | 115.00 R | 1.60 |
| 106 | 120.50 | 1.59 |
| 096 | 115.00 | 1.07 |
| 017 | 114.00 | .80 |
| 345 | 113.50 | .78 |
| 309 | 112.55 | .65 |
| 357 | 112.50 | .48 |
| 726 | 111.17 | .30 |
| 037 | 110.50 | .22 |
| 202 | 110.50 | .21 |
| Avg | 109.03 | |
| 190 | 107.91 | -.15 |
| 042 | 107.50 | -.22 |
| 021 | 106.50 | -.35 |
| 413 | 106.50 | -.40 |
| 616 | 108.00 | -.44 |
| 560 | 107.50 | -.53 |
| 186 | 105.50 | -.53 |
| 366 | 104.00 | -.74 |
| 613 | 108.50 | -.76 |
| 045 | 105.50 | -.79 |
| -- | Method 028.05 -- | |
| 169 | 103.50 | -.79 |
| 567 | 103.80 | -.88 |
| 353 | 102.60 | -.89 |
| 154 | 91.500 | -2.46 |
| 572 | 90.250 s | -2.87 |
| 668 | 82.600 s | -3.82 |
| -- | Method 028.99 -- | |
| 121 | 109.85 | 1.20 |
| Avg | 99.927 | |
| 846 | 97.530 | -.35 |
| 692 | 92.400 | -.97 |
| -- | Method 029.00 -- | |
| 675 | 0.0035 | .71 |
| -- | Method 030.99 -- | |
| 716 | 0.0129 | .71 |
| -- | Method 031.00 -- | |
| 622 | 0.4327 | .71 |
| -- | Method 031.01 -- | |
| 723 | 0.5460 s | 4.54 |
| 122 | 0.5400 S | 4.28 |
| 619 | 0.5375 s | 4.20 |
| 621 | 0.5250 S | 3.64 |
| 849 | 0.5250 S | 3.64 |
| 609 | 0.5150 A | 3.21 |
| 035 | 0.5100 | 2.98 |
| 625 | 0.4950 | 2.35 |
| 337 | 0.4850 | 1.91 |
| 687 | 0.4850 | 1.91 |
| 305 | 0.4800 | 1.69 |
| 108 | 0.4450 R | 1.52 |
| 623 | 0.4687 R | 1.42 |
| 675 | 0.4650 | 1.06 |
| 142 | 0.4650 | 1.06 |
| 647 | 0.4600 | .93 |

* 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 031.01 -- | | -- | Method 031.05 -- | | -- | Method 031.05 -- | | -- | Method 032.01 -- | |
| 650 | 0.4600 | .93 | 016 | 0.4230 | -.78 | 190 | 0.4650 | 1.32 | 083 | 0.4250 | -.52 | 036 | 1.4670 | 1.53 |
| 728 | 0.4550 | .89 | 019 | 0.4200 | -.91 | 027 | 0.4645 | 1.28 | 171 | 0.4250 | -.52 | 591 | 1.4500 | 1.36 |
| 674 | 0.4450 | .67 | 038 | 0.4185 | -1.00 | 520 | 0.4600 | 1.16 | 668 | 0.4240 | -.58 | 508 | 1.4405 | 1.27 |
| 026 | 0.4550 | .64 | 651 | 0.4170 | -1.05 | 297 | 0.4600 | 1.16 | 572 | 0.4245 | -.62 | 307 | 1.4350 | 1.21 |
| 629 | 0.4500 | .58 | 039 | 0.4108 | -1.31 | 598 | 0.4600 | 1.08 | 037 | 0.4200 | -.70 | 612 | 1.4250 | 1.10 |
| 263 | 0.4504 | .41 | 511 | 0.3900 | -2.21 | 560 | 0.4560 | 1.05 | 154 | 0.4188 | -.76 | 631 | 1.4100 | .96 |
| 363 | 0.4500 | .39 | 646 | 0.3900 | -2.25 | 028 | 0.4500 | .77 | 017 | 0.4200 | -.82 | 278 | 1.4100 | .95 |
| 139 | 0.4465 | .37 | | | | 693 | 0.4470 | .76 | 168 | 0.4175 | -.83 | 675 | 1.3950 | .80 |
| 001 | 0.4455 | .31 | -- | Method 031.02 -- | | 616 | 0.4525 | .75 | 358 | 0.4150 | -.94 | 208 | 1.3850 | .72 |
| 233 | 0.4450 | .28 | 013 | 0.4350 | 1.06 | 021 | 0.4505 | .67 | 567 | 0.4200 R | -1.12 | 175 | 1.3800 | .68 |
| 665 | 0.4450 | .28 | 505 | 0.4350 | 1.06 | 407 | 0.4500 | .64 | 512 | 0.4115 | -1.19 | 656 | 1.3800 | .66 |
| 098 | 0.4450 | .28 | 011 | 0.4347 | .87 | 187 | 0.4480 | .55 | 366 | 0.4100 | -1.22 | 013 | 1.3650 | .56 |
| 194 | 0.4450 | .28 | Avg | 0.4277 | | 726 | 0.4478 | .54 | 208 | 0.4060 | -1.31 | 305 | 1.3700 | .56 |
| 633 | 0.4472 | .27 | 508 | 0.4217 | -.80 | 553 | 0.4475 | .54 | 848 | 0.4050 | -1.37 | 001 | 1.3660 | .51 |
| 620 | 0.4451 | .18 | 043 | 0.4200 | -.93 | 202 | 0.4400 | .48 | 100 | 0.4050 | -1.37 | 619 | 1.3550 | .40 |
| Avg | 0.4410 | | 014 | 0.4200 | -1.00 | 074 | 0.4450 | .47 | 550 | 0.4025 | -1.47 | 038 | 1.3400 | .39 |
| 175 | 0.4400 | -.05 | | | | 679 | 0.4450 | .47 | 089 | 0.3900 | -2.02 | 505 | 1.3500 | .36 |
| 591 | 0.4370 | -.20 | -- | Method 031.03 -- | | 229 | 0.4450 | .47 | 242 | 0.3900 | -2.02 | 350 | 1.3328 | .18 |
| 563 | 0.4369 | -.20 | 208 | 0.4670 | 1.75 | 049 | 0.4450 | .47 | 645 | 0.3895 | -2.06 | 035 | 1.3200 | .05 |
| 036 | 0.4355 | -.24 | 033 | 0.4435 | .76 | 051 | 0.4450 | .47 | 148 | 0.2555 s | -7.97 | Avg | 1.3151 | |
| 065 | 0.4335 | -.33 | 026 | 0.4350 | .45 | 106 | 0.4415 | .28 | | | | 039 | 1.3116 | -.14 |
| 710 | 0.4350 | -.34 | Avg | 0.4258 | | 413 | 0.4400 | .19 | -- | Method 031.06 -- | | 139 | 1.3150 | -.15 |
| 169 | 0.4350 | -.34 | 043 | 0.4200 | -.24 | 144 | 0.4400 | .19 | 536 | 0.7000 S | 55.64 | 098 | 1.3150 | -.15 |
| 596 | 0.4350 | -.34 | 036 | 0.4205 | -.25 | 294 | 0.4400 | .19 | 138 | 0.4250 | 1.12 | 650 | 1.3000 | -.18 |
| 731 | 0.4350 | -.34 | 720 | 0.4250 | -.64 | 186 | 0.4395 | .18 | Avg | 0.4225 | | 205 | 1.3150 | -.25 |
| 278 | 0.4350 | -.34 | 307 | 0.4050 | -.91 | Avg | 0.4356 | | 686 | 0.4200 | -.50 | 065 | 1.2885 | -.27 |
| 152 | 0.4350 | -.34 | 048 | 0.3900 | -1.52 | 042 | 0.4315 | -.18 | | | | 646 | 1.2850 | -.31 |
| 350 | 0.4301 | -.48 | 047 | 0.3900 R | -1.98 | 164 | 0.4300 | -.25 | -- | Method 031.99 -- | | 720 | 1.2850 | -.34 |
| 716 | 0.4300 | -.48 | | | | 035 | 0.4300 | -.25 | 631 | 0.6450 s | 6.59 | 629 | 1.2600 | -.55 |
| 205 | 0.4290 | -.56 | -- | Method 031.05 -- | | 045 | 0.4300 | -.25 | 729 | 0.4800 | 1.77 | 337 | 1.2800 R | -.70 |
| 669 | 0.4280 | -.62 | 160 | 0.6729 s | 10.50 | 510 | 0.4300 | -.25 | 657 | 0.4450 | .85 | 710 | 1.2400 | -.76 |
| 018 | 0.4290 | -.63 | 309 | 0.5250 s | 3.96 | 185 | 0.4290 | -.31 | 676 | 0.4425 | .72 | 142 | 1.2150 | -1.02 |
| 588 | 0.4265 | -.63 | 610 | 0.4850 | 2.19 | 298 | 0.4300 | -.51 | 590 | 0.4350 | .46 | 019 | 1.2300 R | -1.05 |
| 178 | 0.4300 | -.64 | 682 | 0.4800 | 1.96 | 226 | 0.4300 | -.51 | Avg | 0.4203 | | 354 | 1.2050 | -1.11 |
| 722 | 0.4261 | -.65 | 003 | 0.4750 | 1.86 | 199 | 0.4259 | -.51 | 552 | 0.4200 | -.01 | 529 | 1.1500 | -1.66 |
| 689 | 0.4350 | -.70 | 345 | 0.4750 | 1.76 | 353 | 0.4250 | -.52 | 724 | 0.4100 | -.42 | 033 | 1.1450 | -1.71 |
| 656 | 0.4250 | -.73 | 121 | 0.4683 | 1.48 | 357 | 0.4250 | -.52 | 673 | 0.3850 | -1.04 | 563 | 1.1187 | -1.97 |
| 354 | 0.4250 | -.73 | 613 | 0.4500 R | 1.47 | 405 | 0.4250 | -.52 | 852 | 0.3850 | -1.12 | 674 | 1.1150 | -2.01 |
| 529 | 0.4250 | -.73 | 096 | 0.4600 R | 1.39 | 265 | 0.4250 | -.52 | 692 | 0.3800 | -1.18 | 670 | 1.1050 | -2.14 |

* 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 |
|---|---|---|
| -- | Method 032.01 -- | |
| 856 | 0.2920 s | -10.28 |
| -- | Method 032.02 -- | |
| 669 | 1.4530 | 1.80 |
| 169 | 1.4150 | 1.04 |
| 665 | 1.3700 | .25 |
| Avg | 1.3621 | |
| 590 | 1.3500 | -.24 |
| 731 | 1.3550 | -.32 |
| 588 | 1.3465 | -.33 |
| 014 | 1.3050 | -1.15 |
| 536 | 1.3020 | -1.24 |
| 108 | 1.3550 R | -1.47 |
| -- | Method 032.05 -- | |
| 051 | 1.5000 s | 2.54 |
| 294 | 1.5600 | 1.90 |
| 572 | 1.5200 | 1.51 |
| 560 | 1.5100 | 1.43 |
| 345 | 1.5050 | 1.35 |
| 096 | 1.5000 | 1.30 |
| 186 | 1.4900 | 1.22 |
| 726 | 1.4862 | 1.17 |
| 190 | 1.4700 | 1.02 |
| 407 | 1.4650 | .96 |
| 520 | 1.4500 R | .95 |
| 121 | 1.4607 | .91 |
| 208 | 1.4580 | .89 |
| 037 | 1.4555 | .86 |
| 616 | 1.4500 | .86 |
| 028 | 1.4500 | .83 |
| 226 | 1.4500 | .81 |
| 297 | 1.4450 | .77 |
| 610 | 1.4420 | .74 |
| 553 | 1.4250 | .58 |
| 613 | 1.3850 R | .57 |
| 202 | 1.4250 | .56 |
| 567 | 1.4200 | .55 |
| 106 | 1.4200 | .52 |
| -- | Method 032.05 -- | |
| 010 | 1.4100 | .51 |
| 668 | 1.4150 | .46 |
| 021 | 1.4100 | .46 |
| 042 | 1.4050 | .44 |
| 027 | 1.4050 | .36 |
| 265 | 1.4000 | .33 |
| 405 | 1.3950 | .27 |
| 026 | 1.3900 | .21 |
| 199 | 1.3700 | .19 |
| 011 | 1.3858 | .17 |
| 045 | 1.3750 | .16 |
| 185 | 1.3755 | .09 |
| 309 | 1.3700 | .01 |
| Avg | 1.3686 | |
| 017 | 1.3600 | -.13 |
| 693 | 1.3460 | -.27 |
| 413 | 1.3500 | -.27 |
| 035 | 1.3400 | -.30 |
| 510 | 1.3400 | -.30 |
| 154 | 1.3456 | -.32 |
| 100 | 1.3450 | -.34 |
| 357 | 1.3350 | -.48 |
| 148 | 1.3150 | -.53 |
| 366 | 1.3150 | -.53 |
| 164 | 1.3100 | -.58 |
| 144 | 1.3050 | -.65 |
| 353 | 1.3100 | -.70 |
| 171 | 1.2850 | -.83 |
| 358 | 1.2800 | -.88 |
| 511 | 1.2750 | -.96 |
| 229 | 1.2600 | -1.08 |
| 512 | 1.2620 | -1.11 |
| 083 | 1.2600 | -1.12 |
| 160 | 1.2395 | -1.28 |
| 003 | 1.2350 | -1.33 |
| 645 | 1.2206 | -1.47 |
| 187 | 1.2078 | -1.59 |
| 049 | 1.1500 | -2.17 |
| 598 | 1.1200 | -2.46 |
| -- | Method 032.05 -- | |
| 242 | 1.0900 | -2.76 |
| 550 | 1.0735 A | -2.94 |
| -- | Method 032.99 -- | |
| 074 | 1.4250 | .66 |
| 692 | 1.4000 | .47 |
| Avg | 1.3433 | |
| 047 | 1.2050 | -1.36 |
| -- | Method 033.00 -- | |
| 208 | 1.0400 | 1.69 |
| 366 | 1.0200 | 1.44 |
| 297 | 1.0150 | 1.38 |
| 689 | 0.9700 | .83 |
| 731 | 0.9700 | .83 |
| 693 | 0.9360 | .46 |
| 407 | 0.9350 | .38 |
| 567 | 0.9150 | .34 |
| 160 | 0.9150 | .14 |
| 675 | 0.9050 | .06 |
| Avg | 0.9046 | |
| 309 | 0.8973 | -.14 |
| 045 | 0.9000 | -.14 |
| 298 | 0.8900 | -.22 |
| 539 | 0.8550 | -.65 |
| 849 | 0.8400 | -.85 |
| 511 | 0.8350 | -.89 |
| 588 | 0.8200 | -1.06 |
| 353 | 0.8000 | -1.31 |
| 679 | 0.7300 | -2.22 |
| 358 | 0.6100 s | -3.69 |
| -- | Method 033.01 -- | |
| 019 | 0.9950 | 2.32 |
| 202 | 0.9900 | 2.06 |
| 098 | 0.9750 | 1.60 |
| 164 | 0.9650 | 1.26 |
| 307 | 0.9650 | 1.14 |
| 242 | 0.9600 | .94 |
| -- | Method 033.01 -- | |
| 610 | 0.9580 | .87 |
| 100 | 0.9500 | .57 |
| 337 | 0.9350 | .56 |
| 039 | 0.9475 | .48 |
| 205 | 0.9425 | .43 |
| 026 | 0.9450 | .43 |
| 710 | 0.9450 | .43 |
| 042 | 0.9390 | .34 |
| 278 | 0.9400 | .20 |
| 559 | 0.9350 | .19 |
| 096 | 0.9350 | .19 |
| 413 | 0.9350 | .19 |
| Avg | 0.9347 | |
| 226 | 0.9300 | -.41 |
| 175 | 0.9300 | -.41 |
| 199 | 0.9234 | -.50 |
| 229 | 0.9200 | -.55 |
| 178 | 0.9200 | -.55 |
| 185 | 0.9199 | -.55 |
| 510 | 0.9250 | -.67 |
| 650 | 0.9150 | -.76 |
| 354 | 0.9100 | -.92 |
| 021 | 0.9050 | -1.13 |
| 029 | 0.9200 R | -1.25 |
| 686 | 0.9000 | -1.30 |
| 004 | 0.9000 | -1.30 |
| 590 | 0.9000 | -1.30 |
| 011 | 0.8963 | -1.47 |
| 194 | 0.8950 | -1.50 |
| 048 | 0.8400 s | -3.61 |
| 106 | 0.8200 s | -4.29 |
| -- | Method 033.03 -- | |
| 505 | 1.0600 | 1.67 |
| 674 | 0.9300 R | 1.02 |
| 598 | 0.8900 | .67 |
| 144 | 0.7800 | .03 |
| Avg | 0.8563 | |
| 726 | 0.6950 | -.49 |
| -- | Method 033.03 -- | |
| 190 | 0.6650 S | -.65 |
| 122 | 0.5600 S | -1.26 |
| -- | Method 033.05 -- | |
| 171 | 0.9300 | .71 |
| -- | Method 033.99 -- | |
| 630 | 1.6100 s | 5.50 |
| 657 | 1.1100 | 1.86 |
| 552 | 0.9800 | .92 |
| 716 | 0.9200 | .50 |
| 673 | 0.9000 | .35 |
| 855 | 0.8700 | .13 |
| Avg | 0.8748 | |
| 003 | 0.7650 | -.63 |
| 619 | 0.7335 | -.86 |
| 723 | 0.7195 | -.96 |
| 121 | 0.6705 S | -1.31 |
| -- | Method 034.01 -- | |
| 038 | 0.7180 | .94 |
| Avg | 0.6958 | |
| 638 | 0.6735 | -.78 |
| -- | Method 034.04 -- | |
| 208 | 0.7425 | 1.39 |
| 508 | 0.6663 | .49 |
| 026 | 0.6650 | .40 |
| 164 | 0.6550 | .27 |
| Avg | 0.6340 | |
| 169 | 0.5450 | -1.13 |
| 190 | 0.5300 | -1.35 |
| -- | Method 034.05 -- | |
| 047 | 0.8735 | 1.14 |
| 560 | 0.8645 | 1.05 |
| Avg | 0.7752 | |
| 309 | 0.7391 | -.43 |
| 572 | 0.7340 | -.52 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 034.05 -- | |
| 610 | 0.6650 | -1.29 |
| -- | Method 034.99 -- | |
| 096 | 0.7000 | .94 |
| Avg | 0.5425 | |
| 098 | 0.3850 | -.79 |
| -- | Method 035.00 -- | |
| 675 | 0.4300 s | 8.35 |
| 122 | 0.3150 s | 3.19 |
| 591 | 0.2925 | 1.63 |
| 656 | 0.2850 | 1.23 |
| 722 | 0.2831 | 1.11 |
| 278 | 0.2800 | 1.08 |
| 629 | 0.2800 | .96 |
| 035 | 0.2800 | .96 |
| 263 | 0.2759 | .76 |
| 307 | 0.2750 | .76 |
| 098 | 0.2750 | .76 |
| 175 | 0.2700 | .68 |
| 208 | 0.2710 | .55 |
| 142 | 0.2700 | .47 |
| 152 | 0.2700 | .47 |
| Avg | 0.2605 | |
| 233 | 0.2600 | -.02 |
| 038 | 0.2600 | -.02 |
| 505 | 0.2600 | -.02 |
| 305 | 0.2550 | -.37 |
| 529 | 0.2555 | -.40 |
| 609 | 0.2500 | -.52 |
| 720 | 0.2500 | -.52 |
| 139 | 0.2500 | -.52 |
| 670 | 0.2500 | -.71 |
| 065 | 0.2445 | -.79 |
| 205 | 0.2475 | -.79 |
| 363 | 0.2450 | -.80 |
| 619 | 0.2530 R | -.96 |
| 650 | 0.2263 | -1.72 |
| 337 | 0.2175 | -2.14 |
| -- | Method 035.00 -- | |
| 710 | 0.2150 | -2.25 |
| 354 | 0.1750 s | -4.22 |
| -- | Method 035.01 -- | |
| 613 | 1.2850 s | 55.72 |
| 686 | 0.2865 | .96 |
| 647 | 0.2800 | .81 |
| 138 | 0.2765 | .59 |
| Avg | 0.2618 | |
| 687 | 0.2350 | -1.07 |
| 563 | 0.2312 | -1.20 |
| 856 | 0.1325 S | -5.05 |
| -- | Method 035.03 -- | |
| 051 | 0.3500 s | 3.89 |
| 265 | 0.3100 | 2.17 |
| 186 | 0.3070 | 2.00 |
| 187 | 0.3068 | 1.99 |
| 190 | 0.3000 | 1.76 |
| 297 | 0.3000 | 1.71 |
| 407 | 0.2970 | 1.59 |
| 096 | 0.2800 R | 1.53 |
| 202 | 0.2950 | 1.52 |
| 645 | 0.2748 | .72 |
| 226 | 0.2750 | .70 |
| 520 | 0.2700 | .62 |
| 616 | 0.2670 | .50 |
| 011 | 0.2700 | .46 |
| 144 | 0.2700 | .46 |
| 017 | 0.2700 | .46 |
| 021 | 0.2675 | .40 |
| 553 | 0.2680 | .38 |
| 160 | 0.2676 | .36 |
| 121 | 0.2638 | .26 |
| 300 | 0.2630 | .17 |
| 309 | 0.2625 | .16 |
| 668 | 0.2625 | .15 |
| 693 | 0.2605 | .12 |
| 726 | 0.2615 | .12 |
| -- | Method 035.03 -- | |
| 610 | 0.2590 | .08 |
| Avg | 0.2590 | |
| 199 | 0.2567 | -.14 |
| 148 | 0.2555 | -.15 |
| 208 | 0.2535 | -.23 |
| 242 | 0.2550 | -.27 |
| 345 | 0.2550 | -.27 |
| 353 | 0.2523 | -.30 |
| 042 | 0.2510 | -.37 |
| 164 | 0.2500 | -.37 |
| 413 | 0.2500 | -.37 |
| 682 | 0.2500 | -.37 |
| 154 | 0.2558 | -.41 |
| 045 | 0.2495 | -.53 |
| 405 | 0.2500 | -.56 |
| 229 | 0.2450 | -.62 |
| 100 | 0.2450 | -.62 |
| 035 | 0.2450 | -.62 |
| 512 | 0.2441 | -.62 |
| 567 | 0.2550 R | -.65 |
| 358 | 0.2400 | -.79 |
| 089 | 0.2400 | -.79 |
| 185 | 0.2387 | -.85 |
| 037 | 0.2360 | -.97 |
| 510 | 0.2315 | -1.15 |
| 083 | 0.2250 | -1.43 |
| 598 | 0.2300 R | -1.47 |
| 366 | 0.2100 | -2.04 |
| 298 | 0.2100 | -2.08 |
| 550 | 0.2050 | -2.26 |
| 049 | 0.1850 s | -3.09 |
| -- | Method 035.05 -- | |
| 110 | 0.9225 s | 25.27 |
| 106 | 0.3175 | 2.29 |
| 560 | 0.2875 R | 1.44 |
| 669 | 0.2830 | 1.03 |
| 536 | 0.2750 | .69 |
| 169 | 0.2750 | .68 |
| -- | Method 035.05 -- | |
| Avg | 0.2578 | |
| 590 | 0.2525 | -.21 |
| 294 | 0.2500 | -.30 |
| 665 | 0.2500 | -.30 |
| 572 | 0.2490 | -.38 |
| 731 | 0.2500 | -.48 |
| 171 | 0.2320 | -.99 |
| 108 | 0.2350 | -1.04 |
| 588 | 0.2245 | -1.27 |
| -- | Method 035.99 -- | |
| 692 | 0.2600 | .00 |
| -- | Method 036.00 -- | |
| 297 | 0.2700 | .67 |
| Avg | 0.2525 | |
| 307 | 0.2350 | -1.02 |
| -- | Method 036.03 -- | |
| 169 | 0.2900 | 2.20 |
| 345 | 0.2700 | 1.18 |
| 154 | 0.2692 | 1.17 |
| 106 | 0.2665 | .87 |
| 021 | 0.2655 | .87 |
| 186 | 0.2670 | .86 |
| 187 | 0.2598 | .66 |
| 294 | 0.2550 | .32 |
| 202 | 0.2550 | .32 |
| 550 | 0.2580 | .31 |
| 042 | 0.2530 | .12 |
| Avg | 0.2528 | |
| 160 | 0.2498 | -.19 |
| 708 | 0.2495 | -.20 |
| 560 | 0.2520 | -.48 |
| 353 | 0.2450 | -.55 |
| 045 | 0.2400 | -.76 |
| 357 | 0.2400 | -.76 |
| 693 | 0.2380 | -.88 |
| 171 | 0.2365 | -1.04 |
| -- | Method 036.03 -- | |
| 300 | 0.2350 | -1.10 |
| 366 | 0.2150 | -2.26 |
| 616 | 0.1815 s | -4.23 |
| 598 | 0.1800 s | -4.35 |
| -- | Method 036.04 -- | |
| 226 | 0.2450 | .72 |
| Avg | 0.2375 | |
| 510 | 0.2300 | -.99 |
| -- | Method 037.01 -- | |
| 675 | 137.54 s | 3.45 |
| 508 | 121.22 | 2.31 |
| 505 | 112.00 | 1.66 |
| 208 | 104.50 | 1.15 |
| 038 | 102.95 | 1.05 |
| 278 | 100.60 | .90 |
| 013 | 98.900 R | .89 |
| 010 | 100.00 | .82 |
| 588 | 98.000 | .68 |
| 305 | 96.785 | .60 |
| 720 | 95.310 | .49 |
| 591 | 95.020 | .47 |
| 669 | 94.540 | .45 |
| 098 | 92.800 | .43 |
| 722 | 94.251 | .42 |
| 035 | 92.500 | .30 |
| 656 | 90.230 | .14 |
| Avg | 88.283 | |
| 731 | 86.450 | -.14 |
| 619 | 84.800 | -.24 |
| 014 | 83.000 | -.38 |
| 307 | 83.000 | -.38 |
| 689 | 82.850 | -.45 |
| 175 | 82.000 | -.52 |
| 350 | 80.050 | -.58 |
| 354 | 78.145 | -.71 |
| 674 | 78.380 | -.71 |
| 178 | 70.000 | -1.29 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 037.01 -- | |
| 529 | 70.900 R | -1.35 |
| 590 | 67.500 | -1.45 |
| 710 | 67.500 | -1.45 |
| 646 | 66.950 | -1.49 |
| 563 | 58.880 | -2.06 |
| -- | Method 037.03 -- | |
| 003 | 254.00 s | 10.61 |
| 297 | 128.50 | 2.56 |
| 265 | 112.00 R | 1.66 |
| 208 | 111.00 | 1.47 |
| 520 | 108.50 R | 1.36 |
| 226 | 107.50 | 1.27 |
| 011 | 102.27 | .94 |
| 148 | 101.30 | .88 |
| 187 | 100.42 | .82 |
| 185 | 98.500 | .70 |
| 510 | 98.000 | .67 |
| 407 | 95.500 | .52 |
| 229 | 94.500 | .46 |
| 300 | 92.950 | .36 |
| 100 | 92.500 | .33 |
| 405 | 90.500 | .21 |
| 074 | 89.000 | .13 |
| Avg | 87.123 | |
| 171 | 85.500 X | -.14 |
| 512 | 83.530 | -.22 |
| 358 | 81.850 | -.34 |
| 610 | 78.750 | -.53 |
| 049 | 77.410 | -.61 |
| 164 | 76.750 | -.64 |
| 629 | 76.850 | -.64 |
| 026 | 76.550 | -.66 |
| 242 | 75.500 | -.73 |
| 168 | 72.000 | -.94 |
| 144 | 71.800 | -.95 |
| 083 | 68.000 | -1.19 |
| 511 | 60.500 R | -1.69 |
| 550 | 59.036 | -1.73 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 037.03 -- | |
| 598 | 53.500 | -2.08 |
| 553 | 0.0099 s | -5.38 |
| -- | Method 037.05 -- | |
| 160 | 196.55 s | 8.55 |
| 027 | 131.66 | 2.31 |
| 186 | 129.00 | 2.07 |
| 106 | 128.25 | 1.98 |
| 096 | 115.00 R | 1.61 |
| 017 | 120.00 | 1.28 |
| 169 | 114.00 | .64 |
| 309 | 114.05 | .62 |
| 042 | 110.00 | .44 |
| 616 | 110.00 | .36 |
| 345 | 108.30 | .33 |
| 413 | 109.00 | .16 |
| Avg | 107.70 | |
| 202 | 107.00 | -.12 |
| 021 | 106.50 | -.27 |
| 199 | 103.00 | -.45 |
| 726 | 102.64 | -.49 |
| 357 | 102.50 | -.50 |
| 190 | 102.44 | -.51 |
| 037 | 102.55 | -.52 |
| 693 | 102.50 | -.52 |
| 045 | 102.00 | -.56 |
| 353 | 101.10 | -.64 |
| 560 | 101.10 | -.66 |
| 572 | 107.00 | -.77 |
| 567 | 101.35 | -.89 |
| 294 | 97.750 | -.96 |
| 366 | 94.500 | -1.28 |
| 154 | 92.000 | -1.54 |
| 613 | 97.050 R | -1.61 |
| 668 | 61.900 s | -4.47 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 037.99 -- | |
| 121 | 112.57 | 1.05 |
| 846 | 96.225 | .14 |
| Avg | 93.865 | |
| 692 | 72.800 | -1.18 |
| -- | Method 038.00 -- | |
| 011 | 2.1773 | 1.39 |
| 106 | 2.0000 | 1.00 |
| 154 | 1.7250 | .32 |
| Avg | 1.5528 | |
| 510 | 1.4500 | -.21 |
| 668 | 1.0495 | -.98 |
| 560 | 0.9150 | -1.20 |
| -- | Method 038.99 -- | |
| 164 | 1.5000 | .00 |
| -- | Method 039.01 -- | |
| 164 | 7.5500 | .71 |
| -- | Method 039.02 -- | |
| 021 | 8.5000 | .73 |
| 154 | 7.9500 | .44 |
| 011 | 7.9390 | .43 |
| 567 | 7.6450 | .31 |
| Avg | 7.1468 | |
| 668 | 4.4050 R | -1.55 |
| 560 | 3.7000 | -1.87 |
| -- | Method 040.00 -- | |
| 560 | 15.950 | .71 |
| -- | Method 041.00 -- | |
| 011 | 0.7713 | .71 |
| -- | Method 050.00 -- | |
| 169 | 4.1900 | .71 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 051.00 -- | |
| 511 | 76.000 | 1.87 |
| 035 | 68.750 | .74 |
| 028 | 64.500 | .38 |
| 027 | 65.350 | .25 |
| 036 | 65.000 | .17 |
| Avg | 63.863 | |
| 034 | 59.000 | -.73 |
| 043 | 57.000 | -1.03 |
| 013 | 55.300 | -1.29 |
| -- | Method 051.03 -- | |
| 846 | 74.850 s | 3.07 |
| 017 | 66.300 | 1.51 |
| 004 | 59.500 | .46 |
| 716 | 59.000 | .45 |
| 038 | 57.500 | .32 |
| Avg | 56.993 | |
| 001 | 56.855 | -.12 |
| 723 | 54.770 | -.35 |
| 039 | 45.026 | -1.89 |
| -- | Method 082.00 -- | |
| 035 | 0.0075 | .86 |
| Avg | 0.0063 | |
| 034 | 0.0051 | -.87 |
| -- | Method 082.01 -- | |
| 218 | 0.0068 | 1.23 |
| 846 | 0.0067 | 1.18 |
| 723 | 0.0062 | .63 |
| 043 | 0.0056 | .10 |
| 001 | 0.0055 | .05 |
| Avg | 0.0055 | |
| 019 | 0.0052 | -.23 |
| 039 | 0.0040 | -1.42 |
| 716 | 0.0040 | -1.46 |

| Lab | Average* | Index |
|---|---|---|
| -- | Method 082.02 -- | |
| 027 | 0.0067 | .71 |
| -- | Method 082.99 -- | |
| 047 | 57.500 S | .00 |
| -- | Method 105.00 -- | |
| 160 | 0.6650 | -.71 |
| -- | Method 106.00 -- | |
| 171 | 6.2500 X | .71 |
| -- | Method 106.02 -- | |
| 856 | 12.950 s | 7.60 |
| 619 | 6.6200 | 1.87 |
| 670 | 5.9600 | 1.25 |
| 563 | 5.5255 | .86 |
| 722 | 5.3888 | .76 |
| 199 | 5.1500 | .53 |
| 227 | 5.1300 | .52 |
| 208 | 5.0100 | .39 |
| 021 | 4.8650 | .34 |
| 004 | 4.7050 | .11 |
| 160 | 4.5850 | .10 |
| Avg | 4.5850 | |
| 035 | 4.5150 | -.37 |
| 003 | 3.9500 | -.58 |
| 638 | 3.8600 | -.68 |
| 096 | 3.7400 | -.78 |
| 610 | 3.5900 | -.91 |
| 616 | 3.4200 | -1.06 |
| 242 | 1.9300 | -2.41 |
| -- | Method 106.99 -- | |
| 644 | 4.4000 | -.71 |
| -- | Method 109.02 -- | |
| 722 | 22.626 | 1.57 |
| 227 | 17.150 R | .74 |
| 610 | 15.500 | .42 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 109.02 | -- |
| Avg | 12.883 | |
| 563 | 12.403 | -.08 |
| 199 | 7.0500 | -.94 |
| 675 | 6.8350 | -.98 |
| -- | Method 109.99 | -- |
| 096 | 9.5000 | .71 |
| -- | Method 120.00 | -- |
| 652 | 0.5650 | 1.71 |
| 160 | 0.5599 | 1.44 |
| 619 | 0.5415 | .77 |
| 571 | 0.5290 | .31 |
| Avg | 0.5217 | |
| 350 | 0.5115 | -.39 |
| 227 | 0.5150 | -.61 |
| 644 | 0.5020 | -.81 |
| 038 | 0.5025 | -.82 |
| 684 | 0.4960 | -.97 |
| 675 | 0.4950 | -1.02 |
| -- | Method 121.00 | -- |
| 652 | 0.7200 | 2.37 |
| 619 | 0.6195 | .67 |
| 644 | 0.5980 | .42 |
| 571 | 0.5970 | .26 |
| Avg | 0.5817 | |
| 227 | 0.5650 | -.52 |
| 684 | 0.5540 | -.54 |
| 350 | 0.5465 | -.61 |
| 038 | 0.5410 | -.74 |
| 675 | 0.5500 | -.88 |
| 160 | 0.5261 | -.96 |
| -- | Method 122.00 | -- |
| 652 | 1.0500 | 2.38 |
| 619 | 0.9445 | .53 |
| 350 | 0.9235 | .31 |
| Avg | 0.9198 | |
| -- | Method 122.00 | -- |
| 038 | 0.9070 | -.27 |
| 644 | 0.9115 | -.47 |
| 571 | 0.8920 | -.51 |
| 227 | 0.9050 | -.53 |
| 675 | 0.8850 | -.64 |
| 684 | 0.8595 | -1.10 |
| 160 | 0.7430 s | -3.22 |
| -- | Method 124.00 | -- |
| 160 | 0.2482 S | 3.88 |
| 684 | 0.2090 | 1.58 |
| 675 | 0.1950 | .66 |
| 652 | 0.1950 | .66 |
| 038 | 0.1890 | .48 |
| 350 | 0.1890 | .38 |
| Avg | 0.1856 | |
| 619 | 0.1755 | -.64 |
| 571 | 0.1730 | -.78 |
| 644 | 0.1590 | -1.65 |
| -- | Method 124.02 | -- |
| 227 | 0.1600 | .00 |
| -- | Method 124.05 | -- |
| 610 | 0.1800 | .00 |
| -- | Method 125.00 | -- |
| 652 | 1.7450 | 1.89 |
| 619 | 1.6750 | 1.32 |
| 227 | 1.5550 | .39 |
| Avg | 1.5257 | |
| 675 | 1.5050 | -.18 |
| 350 | 1.4985 | -.24 |
| 644 | 1.4795 | -.55 |
| 038 | 1.4555 | -.63 |
| 684 | 1.4470 | -.68 |
| 160 | 1.3706 | -1.33 |
| 571 | 0.1510 s | -11.80 |
| -- | Method 126.00 | -- |
| 652 | 0.5450 | 2.11 |
| 619 | 0.5210 | 1.04 |
| 571 | 0.5070 | .61 |
| 160 | 0.5039 | .37 |
| Avg | 0.4976 | |
| 227 | 0.4900 | -.34 |
| 350 | 0.4905 | -.46 |
| 675 | 0.4850 | -.60 |
| 644 | 0.4845 | -.69 |
| 038 | 0.4775 | -.95 |
| 684 | 0.4715 | -1.17 |
| -- | Method 127.00 | -- |
| 160 | 0.3443 | 2.34 |
| 652 | 0.3000 | 1.21 |
| 571 | 0.2560 | .12 |
| Avg | 0.2540 | |
| 619 | 0.2515 | -.07 |
| 227 | 0.2400 | -.36 |
| 644 | 0.2415 | -.38 |
| 350 | 0.2345 | -.50 |
| 675 | 0.2350 | -.51 |
| 684 | 0.2185 | -.92 |
| 038 | 0.2185 | -.96 |
| -- | Method 128.00 | -- |
| 652 | 0.3800 | 1.70 |
| 227 | 0.3500 | .76 |
| 619 | 0.3510 | .74 |
| 644 | 0.3295 | .25 |
| 350 | 0.3300 | .02 |
| Avg | 0.3294 | |
| 571 | 0.3235 | -.21 |
| 684 | 0.3255 | -.34 |
| 675 | 0.3000 | -1.03 |
| 160 | 0.2753 | -1.79 |
| 038 | 0.2785 R | -2.17 |
| -- | Method 129.00 | -- |
| 652 | 0.7350 | 2.00 |
| 619 | 0.6965 | 1.10 |
| 571 | 0.6535 | .08 |
| Avg | 0.6503 | |
| 350 | 0.6435 | -.17 |
| 675 | 0.6450 | -.17 |
| 684 | 0.6370 | -.33 |
| 644 | 0.6440 | -.34 |
| 227 | 0.6500 | -.47 |
| 038 | 0.6195 | -.94 |
| 160 | 0.5786 | -1.69 |
| -- | Method 130.00 | -- |
| 652 | 0.4800 | 1.43 |
| 619 | 0.4710 | 1.08 |
| 350 | 0.4610 | .68 |
| 160 | 0.4571 | .51 |
| 675 | 0.4450 | .20 |
| 571 | 0.4470 | .14 |
| Avg | 0.4439 | |
| 644 | 0.4385 | -.45 |
| 227 | 0.4300 | -.53 |
| 684 | 0.4030 | -1.58 |
| 038 | 0.4060 | -1.58 |
| -- | Method 130.05 | -- |
| 610 | 0.4450 | .71 |
| -- | Method 130.99 | -- |
| 038 | 0.4330 | .71 |
| -- | Method 131.00 | -- |
| 684 | 0.1675 S | 2.62 |
| 675 | 0.1550 | 1.41 |
| 652 | 0.1500 | .90 |
| 350 | 0.1460 | .55 |
| 644 | 0.1450 | .49 |
| Avg | 0.1398 | |
| 619 | 0.1355 | -.40 |
| -- | Method 131.00 | -- |
| 160 | 0.1349 | -.52 |
| 571 | 0.1310 | -.82 |
| 038 | 0.1210 | -1.74 |
| -- | Method 131.02 | -- |
| 227 | 0.1450 | -.71 |
| -- | Method 131.05 | -- |
| 610 | 0.1350 | .71 |
| -- | Method 132.00 | -- |
| 160 | 0.5053 | 1.92 |
| 652 | 0.4750 | 1.27 |
| 619 | 0.4515 | .76 |
| Avg | 0.4161 | |
| 350 | 0.4120 | -.10 |
| 571 | 0.3995 | -.40 |
| 227 | 0.4050 | -.40 |
| 644 | 0.3945 | -.51 |
| 675 | 0.3850 | -.68 |
| 684 | 0.3730 | -.93 |
| 038 | 0.3600 | -1.30 |
| -- | Method 133.00 | -- |
| 652 | 0.6300 | 1.68 |
| 227 | 0.5650 | .63 |
| 038 | 0.5770 | .56 |
| 571 | 0.5850 | .54 |
| 619 | 0.5825 | .52 |
| Avg | 0.5637 | |
| 160 | 0.5520 | -.29 |
| 644 | 0.5605 | -.49 |
| 684 | 0.5310 | -.82 |
| 675 | 0.4900 | -1.85 |
| -- | Method 134.00 | -- |
| 652 | 0.4950 | 1.84 |
| 619 | 0.4835 | 1.24 |
| 160 | 0.4632 | .55 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index |
|---|---|---|
| -- | Method 134.00 -- | |
| 038 | 0.4630 | .52 |
| 571 | 0.4620 | .44 |
| Avg | 0.4525 | |
| 350 | 0.4400 | -.48 |
| 227 | 0.4350 | -.68 |
| 675 | 0.4350 | -.86 |
| 684 | 0.4240 | -1.07 |
| 644 | 0.4245 | -1.11 |
| -- | Method 135.00 -- | |
| 652 | 0.4200 S | 2.77 |
| 619 | 0.3915 | 1.27 |
| 644 | 0.3795 | .73 |
| 350 | 0.3790 | .62 |
| 571 | 0.3780 | .58 |
| 227 | 0.3700 | .16 |
| Avg | 0.3669 | |
| 684 | 0.3635 | -.25 |
| 038 | 0.3645 | -.45 |
| 675 | 0.3500 | -1.01 |
| 160 | 0.3265 | -2.08 |
| -- | Method 135.05 -- | |
| 610 | 0.3800 | .00 |
| -- | Method 136.00 -- | |
| 684 | 0.1215 | .71 |
| -- | Method 136.01 -- | |
| 160 | 0.1927 | 1.53 |
| Avg | 0.1404 | |
| 227 | 0.1400 | -.01 |
| 644 | 0.1175 | -.67 |
| 571 | 0.1115 | -.85 |
| -- | Method 136.99 -- | |
| 610 | 0.1245 | .71 |
| -- | Method 137.00 -- | |
| 160 | 0.4396 | 2.04 |
| Avg | 0.3001 | |
| 644 | 0.2870 | -.21 |
| 350 | 0.2850 | -.23 |
| 684 | 0.2840 | -.24 |
| 675 | 0.2650 | -.56 |
| 227 | 0.2400 | -.93 |
| -- | Method 138.00 -- | |
| 619 | 0.4980 | 1.65 |
| 227 | 0.4750 | 1.03 |
| 644 | 0.4530 | .36 |
| 675 | 0.4550 | .32 |
| 350 | 0.4470 | .19 |
| 571 | 0.4480 | .17 |
| Avg | 0.4462 | |
| 652 | 0.4350 | -.39 |
| 684 | 0.4160 | -.96 |
| 160 | 0.3884 | -1.83 |
| 038 | 0.3875 R | -2.46 |
| -- | Method 300.03 -- | |
| 856 | 3.0000 | .00 |

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

AAFCO - Feed Check Sample No. - 200827  Preconditioning/Receiving Chow,Medicated

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 |
|---|---|---|---|---|---|---|---|---|---|
| 000.01 | 2 | 0.0000 | 1.22 | 0.00 | 009.07 | 15 | 0.2767 | 1.44 | 0.19 |
| 001.00 | 11 | -0.8140 | 2.01 | 0.33 | 009.09 | 16 | 0.0359 | 0.91 | 0.52 |
| 001.03 | 4 | 0.0000 | 0.91 | 0.50 | 009.99 | 4 | -3.1588 | 6.38 | 7.44 |
| 001.07 | 41 | -0.1990 | 1.62 | 0.42 | 010.03 | 4 | -0.4038 | 1.19 | 0.26 |
| 001.08 | 2 | 337.1735 | 476.84 | 0.50 | 010.11 | 9 | 0.0000 | 0.95 | 0.38 |
| 001.99 | 14 | 0.1198 | 1.60 | 0.47 | 010.99 | 18 | 0.1443 | 1.07 | 0.13 |
| 002.00 | 5 | 0.0000 | 0.99 | 0.35 | 011.01 | 89 | -0.1252 | 1.65 | 0.25 |
| 002.01 | 10 | 0.0000 | 0.97 | 0.33 | 011.99 | 3 | -114.079 | 99.10 | 29.72 |
| 002.02 | 11 | -0.0586 | 0.93 | 0.50 | 012.00 | 7 | 0.3719 | 1.36 | 0.31 |
| 002.04 | 5 | 0.0000 | 1.05 | 0.14 | 012.01 | 2 | 0.0000 | 1.19 | 0.21 |
| 002.05 | 22 | 0.2626 | 1.57 | 0.14 | 012.03 | 2 | 0.0000 | 1.22 | 0.11 |
| 002.06 | 136 | 0.0302 | 1.20 | 0.28 | 012.04 | 5 | 0.0000 | 1.05 | 0.10 |
| 002.08 | 6 | 0.0000 | 1.04 | 0.12 | 012.11 | 2 | 0.0000 | 1.15 | 0.29 |
| 002.10 | 10 | -0.0799 | 0.96 | 0.47 | 013.02 | 32 | 0.0317 | 0.99 | 0.21 |
| 002.11 | 11 | 0.0000 | 1.02 | 0.12 | 013.10 | 17 | 0.2061 | 1.29 | 0.23 |
| 002.99 | 5 | -0.9567 | 2.32 | 0.69 | 013.12 | 3 | 0.0000 | 1.12 | 0.03 |
| 003.00 | 34 | 0.1715 | 1.54 | 0.26 | 013.13 | 2 | 0.0000 | 1.20 | 0.19 |
| 003.06 | 25 | 3.0369 | 14.88 | 0.30 | 013.99 | 3 | 0.0000 | 1.09 | 0.21 |
| 003.09 | 29 | 0.1211 | 1.15 | 0.30 | 015.00 | 12 | 0.0000 | 1.01 | 0.14 |
| 003.10 | 31 | 0.3152 | 2.12 | 0.53 | 017.00 | 8 | 0.0000 | 0.97 | 0.35 |
| 003.11 | 8 | 0.0000 | 1.01 | 0.20 | 018.02 | 2 | 0.0000 | 1.06 | 0.43 |
| 003.12 | 3 | 0.0000 | 1.03 | 0.36 | 019.00 | 16 | 0.3974 | 1.86 | 0.23 |
| 003.13 | 5 | 0.0000 | 1.05 | 0.12 | 019.01 | 55 | -0.1834 | 2.16 | 0.24 |
| 003.14 | 15 | 2.2019 | 8.58 | 0.30 | 019.03 | 7 | 0.0000 | 0.99 | 0.29 |
| 003.99 | 12 | 1.8442 | 3.48 | 0.59 | 019.05 | 38 | 0.1055 | 1.17 | 0.24 |
| 004.00 | 30 | -0.0831 | 1.17 | 0.67 | 019.08 | 5 | 0.0000 | 0.75 | 0.67 |
| 004.01 | 2 | 3.2816 | 4.64 | 0.61 | 019.09 | 29 | 0.5633 | 2.93 | 0.53 |
| 004.03 | 3 | 0.0000 | 1.09 | 0.22 | 019.99 | 8 | -0.9427 | 2.82 | 0.34 |
| 004.06 | 38 | 0.0326 | 1.15 | 0.34 | 020.00 | 2 | 0.0000 | 1.22 | 0.06 |
| 004.07 | 46 | 0.1497 | 1.23 | 0.26 | 020.01 | 8 | 0.2255 | 1.14 | 0.34 |
| 004.11 | 9 | 0.0000 | 1.02 | 0.15 | 021.01 | 4 | 0.0000 | 1.08 | 0.02 |
| 004.99 | 4 | 0.0000 | 1.07 | 0.14 | 021.02 | 14 | -0.0562 | 0.99 | 0.25 |
| 005.00 | 146 | -0.0359 | 1.04 | 0.30 | 021.99 | 2 | 0.0000 | 1.22 | 0.02 |
| 005.03 | 2 | 0.0000 | 1.22 | 0.09 | 022.01 | 29 | 0.0000 | 0.99 | 0.20 |
| 005.11 | 8 | -2.1131 | 5.01 | 0.06 | 022.03 | 31 | -0.1425 | 1.26 | 0.18 |
| 005.99 | 14 | -0.3391 | 1.61 | 1.77 | 022.05 | 30 | 0.0235 | 1.31 | 0.81 |
| 008.02 | 20 | 0.0000 | 1.01 | 0.11 | 022.99 | 4 | 2.2216 | 4.46 | 0.78 |
| 008.08 | 21 | -0.2016 | 1.33 | 0.23 | 025.01 | 27 | -0.5788 | 2.27 | 0.22 |
| 008.99 | 6 | 0.0000 | 0.95 | 0.41 | 025.03 | 28 | 0.0172 | 2.49 | 0.95 |

AAFCO - Feed Check Sample No. - 200827  Preconditioning/Receiving Chow,Medicated

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 |
|---|---|---|---|---|
| 025.05 | 24 | -0.1420 | 1.26 | 1.09 |
| 027.01 | 32 | 0.5121 | 3.05 | 0.24 |
| 027.03 | 34 | 0.2997 | 1.69 | 0.29 |
| 027.05 | 28 | -0.0244 | 0.95 | 0.43 |
| 027.99 | 3 | 0.0000 | 1.10 | 0.14 |
| 028.01 | 30 | 0.0346 | 0.97 | 0.31 |
| 028.03 | 33 | -0.2338 | 1.72 | 0.21 |
| 028.05 | 28 | 0.0071 | 1.63 | 0.54 |
| 028.99 | 3 | 0.0000 | 1.06 | 0.30 |
| 031.01 | 61 | 0.4071 | 1.49 | 0.33 |
| 031.02 | 6 | 0.0000 | 0.95 | 0.41 |
| 031.03 | 9 | -0.1687 | 1.06 | 0.49 |
| 031.05 | 67 | 0.1120 | 1.93 | 0.34 |
| 031.06 | 3 | 18.5000 | 32.05 | 2.38 |
| 031.99 | 10 | 0.6579 | 2.28 | 0.30 |
| 032.01 | 39 | -0.2944 | 1.90 | 0.19 |
| 032.02 | 9 | -0.0153 | 0.94 | 0.54 |
| 032.05 | 64 | -0.0102 | 1.05 | 0.33 |
| 032.99 | 3 | 0.0000 | 0.97 | 0.45 |
| 033.00 | 20 | -0.1843 | 1.28 | 0.16 |
| 033.01 | 36 | -0.2325 | 1.30 | 0.35 |
| 033.03 | 7 | 0.1298 | 1.01 | 0.19 |
| 033.99 | 10 | 0.5476 | 1.98 | 0.17 |
| 034.01 | 2 | 0.0000 | 0.97 | 0.53 |
| 034.04 | 6 | 0.0000 | 1.03 | 0.17 |
| 034.05 | 5 | 0.0000 | 1.05 | 0.14 |
| 034.99 | 2 | 0.0000 | 1.12 | 0.36 |
| 035.00 | 32 | 0.2017 | 1.96 | 0.42 |
| 035.01 | 7 | 4.9849 | 15.55 | 14.68 |
| 035.03 | 55 | 0.0039 | 1.17 | 0.31 |
| 035.05 | 14 | 1.8854 | 6.80 | 0.37 |
| 036.00 | 2 | 0.0000 | 0.83 | 0.64 |
| 036.03 | 23 | -0.3710 | 1.53 | 0.34 |
| 036.04 | 2 | 0.0000 | 0.84 | 0.63 |
| 037.01 | 32 | 0.0929 | 1.16 | 0.19 |
| 037.03 | 33 | 0.1860 | 2.29 | 0.47 |
| 037.05 | 30 | 0.1274 | 2.01 | 0.46 |
| 037.99 | 3 | 0.0000 | 1.11 | 0.08 |
| 038.00 | 6 | 0.0000 | 0.95 | 0.41 |
| 039.02 | 6 | -0.2475 | 1.12 | 0.20 |
| 051.00 | 8 | 0.0000 | 1.01 | 0.22 |
| 051.03 | 8 | 0.3515 | 1.36 | 0.49 |
| 082.00 | 2 | 0.0000 | 1.21 | 0.15 |
| 082.01 | 8 | 0.0000 | 1.02 | 0.16 |
| 106.02 | 18 | 0.4217 | 2.04 | 0.18 |
| 109.02 | 6 | 0.1147 | 0.99 | 0.12 |
| 120.00 | 10 | 0.0000 | 0.97 | 0.33 |
| 121.00 | 10 | 0.0000 | 0.98 | 0.30 |
| 122.00 | 10 | -0.3219 | 1.38 | 0.26 |
| 124.00 | 9 | 0.4312 | 1.58 | 0.32 |
| 125.00 | 10 | -1.1796 | 3.85 | 0.21 |
| 126.00 | 10 | 0.0000 | 0.99 | 0.28 |
| 127.00 | 10 | 0.0000 | 1.01 | 0.16 |
| 128.00 | 10 | -0.1683 | 1.08 | 0.49 |
| 129.00 | 10 | 0.0000 | 0.98 | 0.28 |
| 130.00 | 10 | 0.0000 | 0.97 | 0.31 |
| 131.00 | 9 | 0.2719 | 1.23 | 0.41 |
| 132.00 | 10 | 0.0000 | 1.00 | 0.22 |
| 133.00 | 9 | 0.0000 | 0.97 | 0.33 |
| 134.00 | 10 | 0.0000 | 0.92 | 0.43 |
| 135.00 | 10 | 0.2725 | 1.27 | 0.30 |
| 136.01 | 4 | 0.0000 | 1.08 | 0.02 |
| 137.00 | 6 | 0.0000 | 1.03 | 0.16 |
| 138.00 | 10 | -0.1849 | 1.11 | 0.56 |