

Feed Check Sample No. - 200828 Beef Cattle Grower, Medicated
 Association of American Feed Control Officials

- Pass 1 Results for 218 Labs - - Pass 2 Results for 217 Labs -

| Method | AOAC 18th | Method Code | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---|--------------|----------------|-------------------|---------------|--------------|-----------------------------|-------------------|---------------|--------------|-----------------------------|
| NPN, Urea + Am, Urease Method..... | 941.04 | 000.01 | 6 | 19.5483 | 0.61963 | 0.18667 | 6 | 19.5483 | 0.61963 | 0.18667 |
| Urea, as Protein Colorimetric | 967.07 | 000.02 | 1 | 6.50000 | 0.14142 | 0.20000 | 1 | 6.50000 | 0.14142 | 0.20000 |
| Urea, Misc | | 000.99 | 2 | 3.51750 | 3.47279 | 0.02500 | 2 | 3.51750 | 3.47279 | 0.02500 |
| Method Group 000.XX PCT | | | 9 | 14.5361 | 7.50173 | 0.15222 | 9 | 14.5361 | 7.50173 | 0.15222 |
| Loss on Drying, Vac 95 deg 5 hr | 934.01 | 001.00 | 9 | 8.43822 | 1.01083 | 0.43200 | 9 | 8.56044 | 1.19204 | 0.31644 |
| Loss on Drying, ISO 6496 | | 001.03 | 3 | 8.09167 | 0.49000 | 0.09667 | 3 | 8.09167 | 0.49000 | 0.09667 |
| Loss on Drying, 104 deg 3 hr, in malt . | 935.29 | 001.07 | 39 | 8.15713 | 0.61546 | 0.18887 | 37 | 8.13892 | 0.59924 | 0.13503 |
| Loss on Drying, 102 deg 16 hr, in meat | 950.46 | 001.08 | 1 | 8.47000 | 0.02828 | 0.04000 | 1 | 8.47000 | 0.02828 | 0.04000 |
| Loss on Drying, Misc | | 001.99 | 17 | 8.56091 | 0.87209 | 0.18347 | 17 | 8.56091 | 0.87209 | 0.18347 |
| Method Group 001.XX PCT | | | 69 | 8.29496 | 0.75165 | 0.21309 | 66 | 8.26643 | 0.72437 | 0.16050 |
| Protein, Crude | 954.01 | 002.00 | 5 | 40.5180 | 0.42653 | 0.15200 | 5 | 40.5180 | 0.42653 | 0.15200 |
| Protein, Auto Kjell-Foss | 976.05 | 002.01 | 13 | 40.5697 | 0.31241 | 0.18207 | 13 | 40.5697 | 0.31241 | 0.18207 |
| Protein, Semiauto Autoanalyzer | 976.06 | 002.02 | 7 | 40.7757 | 0.80042 | 0.33714 | 7 | 40.7757 | 0.80042 | 0.33714 |
| Protein, Copper Cat | 984.13 | 002.04 | 5 | 40.5210 | 0.25541 | 0.21800 | 5 | 40.5210 | 0.25541 | 0.21800 |
| Protein, Copper, Boric Acid | | 002.05 | 22 | 40.7602 | 0.77298 | 0.18604 | 21 | 40.7388 | 0.78186 | 0.16442 |
| Protein, Combustion Nitrogen Analyzer | 990.03 | 002.06 | 128 | 41.0303 | 0.43474 | 0.21278 | 120 | 41.0466 | 0.40180 | 0.16763 |
| Protein, Cu/Ti | 988.05 | 002.08 | 6 | 39.9905 | 0.68233 | 0.21867 | 6 | 39.9905 | 0.68233 | 0.21867 |
| Protein, Block dig/distillation | | 002.10 | 9 | 40.3389 | 0.36533 | 0.24000 | 9 | 40.3389 | 0.36533 | 0.24000 |
| Protein, NIR | | 002.11 | 10 | 39.7817 | 0.93437 | 0.21440 | 10 | 39.7817 | 0.93437 | 0.21440 |
| Protein, Misc | | 002.99 | 5 | 40.5640 | 0.74412 | 0.53600 | 4 | 40.7050 | 0.57401 | 0.18500 |
| Method Group 002.XX PCT | | | 210 | 40.8108 | 0.62826 | 0.22001 | 200 | 40.8138 | 0.61938 | 0.18251 |
| Fat, Eth Ext, Direct | 920.39 | 003.00 | 28 | 3.10919 | 0.60576 | 0.11448 | 27 | 3.14916 | 0.64462 | 0.08909 |
| Fat, Ind Eth Ext (13th ed), Indirect .. | 920.39 | 003.01 | 1 | 3.09500 | 0.67175 | 0.95000 | 1 | 3.09500 | 0.67175 | 0.95000 |
| Fat, Pet Ether | | 003.06 | 27 | 2.62556 | 0.34657 | 0.12719 | 24 | 2.66604 | 0.32595 | 0.06600 |
| Fat, Soxtec, Eth Ext | | 003.09 | 28 | 3.16536 | 0.54226 | 0.14544 | 28 | 3.19945 | 0.59785 | 0.13098 |
| Fat, Soxtec, Pet Ether | | 003.10 | 32 | 2.52058 | 0.24678 | 0.10104 | 29 | 2.54737 | 0.20275 | 0.06908 |
| Fat, NIR | | 003.11 | 11 | 2.22829 | 0.30100 | 0.06201 | 11 | 2.22829 | 0.30100 | 0.06201 |
| Fat, Hexane Ext. | | 003.12 | 3 | 2.93833 | 0.20243 | 0.05667 | 3 | 2.93833 | 0.20243 | 0.05667 |
| Fat, Soxtec, Hexane Ext. | | 003.13 | 7 | 2.42043 | 0.17805 | 0.06571 | 7 | 2.42043 | 0.17805 | 0.06571 |
| Fat, Ankom | | 003.14 | 15 | 2.72817 | 0.44960 | 0.12100 | 13 | 2.66750 | 0.28295 | 0.07423 |
| Fat, Misc | | 003.99 | 12 | 3.18583 | 0.67070 | 0.19833 | 10 | 3.13650 | 0.69697 | 0.07300 |
| Method Group 003.XX PCT | | | 164 | 2.80337 | 0.54863 | 0.12440 | 151 | 2.79830 | 0.52043 | 0.08783 |
| Fiber, Crude Asbestos Free | 962.09 | 004.00 | 31 | 8.87623 | 0.65018 | 0.18013 | 28 | 8.82832 | 0.64671 | 0.12943 |
| Fiber, Sing Filt | | 004.01 | 2 | 10.2375 | 0.76282 | 0.35500 | 2 | 10.2375 | 0.76282 | 0.35500 |
| Fiber, Fritted Glass | 978.10 | 004.03 | 3 | 8.33333 | 0.50130 | 0.61333 | 3 | 8.33333 | 0.50130 | 0.61333 |
| Fiber, Fibertec | | 004.06 | 38 | 8.59522 | 0.57067 | 0.20037 | 37 | 8.61766 | 0.55868 | 0.18768 |
| Fiber, ANKOM | | 004.07 | 36 | 9.65267 | 1.32168 | 0.29139 | 34 | 9.66871 | 1.33199 | 0.24559 |
| Fiber, NIR | | 004.11 | 10 | 10.5996 | 0.36024 | 0.13090 | 10 | 10.5996 | 0.36024 | 0.13090 |
| Fiber, Misc | | 004.99 | 3 | 8.37833 | 0.92086 | 0.22333 | 3 | 8.37833 | 0.92086 | 0.22333 |

- Pass 1 Results for 218 Labs - - Pass 2 Results for 217 Labs -

| Method | AOAC 18th | Method Code | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---|-----------|-------------|-------------|------------|-----------|-----------------------|-------------|------------|-----------|-----------------------|
| Method Group 004.XX PCT | | | 123 | 9.15352 | 1.07761 | 0.22941 | 117 | 9.15716 | 1.08391 | 0.20040 |
| Ash, | 942.05 | 005.00 | 147 | 21.0347 | 1.01074 | 0.22537 | 142 | 21.0447 | 0.99960 | 0.18838 |
| Ash, Microwave Furnace | | 005.03 | 1 | 18.3350 | 0.02121 | 0.03000 | 1 | 18.3350 | 0.02121 | 0.03000 |
| Ash, NIR | | 005.11 | 7 | 21.9394 | 1.82158 | 0.93943 | 8 | 22.2720 | 1.92707 | 0.89700 |
| Ash, Misc | | 005.99 | 14 | 21.2257 | 1.03614 | 0.33286 | 14 | 21.2257 | 1.03614 | 0.33286 |
| Method Group 005.XX PCT | | | 169 | 21.0720 | 1.08679 | 0.26269 | 164 | 21.0818 | 1.07978 | 0.23180 |
| Sugar, TSI, Lane-Eynon (12th) | 923.09 | 006.05 | 1 | 2.05000 | 0.07071 | 0.10000 | 1 | 2.05000 | 0.07071 | 0.10000 |
| Sugar, Misc | | 006.99 | 1 | 2.35000 | 0.21213 | 0.30000 | 1 | 2.35000 | 0.21213 | 0.30000 |
| Method Group 006.XX PCT | | | 2 | 2.20000 | 0.21602 | 0.20000 | 2 | 2.20000 | 0.21602 | 0.20000 |
| Fiber, Acid Detergent | 973.18 | 008.02 | 14 | 12.6611 | 1.31900 | 0.17174 | 14 | 12.6611 | 1.31900 | 0.17174 |
| Fiber, Acid Detergent-Hach | | 008.05 | 1 | 14.4000 | 0.14142 | 0.20000 | 1 | 14.4000 | 0.14142 | 0.20000 |
| Fiber, Acid Detergent by ANKOM | | 008.08 | 23 | 11.3028 | 1.13733 | 0.20913 | 22 | 11.3234 | 1.15310 | 0.16864 |
| Fiber, Acid Detergent Misc | | 008.99 | 6 | 12.5433 | 0.88421 | 0.39667 | 6 | 12.5433 | 0.88421 | 0.39667 |
| Method Group 008.XX PCT | | | 44 | 11.9746 | 1.37047 | 0.22360 | 43 | 12.0007 | 1.37289 | 0.20219 |
| Fiber, Neutral Det-No ENZ Pretreat | | 009.04 | 2 | 25.9969 | 1.39894 | 1.19460 | 2 | 25.9969 | 1.39894 | 1.19460 |
| Fiber, Neutral Det-ENZ Pretreat | | 009.07 | 11 | 23.3184 | 1.49156 | 0.67718 | 11 | 23.3184 | 1.49156 | 0.67718 |
| Fiber, Neutral Detergent by ANKOM | | 009.09 | 20 | 21.4790 | 1.15585 | 0.39900 | 19 | 21.4095 | 1.11512 | 0.30421 |
| Fiber, Neutral Det Misc | | 009.99 | 4 | 22.7475 | 1.59096 | 0.29500 | 4 | 22.7475 | 1.59096 | 0.29500 |
| Method Group 009.XX PCT | | | 37 | 22.4072 | 1.76577 | 0.51346 | 36 | 22.3963 | 1.77967 | 0.46662 |
| Moisture, Karl-Fischer | 966.20 | 010.03 | 4 | 6.93500 | 0.56409 | 0.06000 | 4 | 6.93500 | 0.56409 | 0.06000 |
| Moisture, NIR | | 010.11 | 8 | 7.19230 | 0.50652 | 0.10955 | 8 | 7.19230 | 0.50652 | 0.10955 |
| Moisture, Misc | | 010.99 | 16 | 8.46895 | 0.87153 | 0.26688 | 14 | 8.36023 | 0.84143 | 0.13215 |
| Method Group 010.XX PCT | | | 28 | 7.88506 | 1.00392 | 0.19237 | 26 | 7.78160 | 0.94824 | 0.11410 |
| Loss on Drying, 135 deg 2 hr | 930.15 | 011.01 | 87 | 11.1631 | 0.96951 | 0.15850 | 84 | 11.1317 | 0.96572 | 0.14095 |
| Loss on Drying, High Temp Methods, Misc | | 011.99 | 2 | 9.57750 | 0.22066 | 0.25500 | 2 | 9.57750 | 0.22066 | 0.25500 |
| Method Group 011.XX PCT | | | 89 | 11.1275 | 0.98746 | 0.16067 | 86 | 11.0956 | 0.98328 | 0.14360 |
| Starch, Polarimetric (Ewers) | | 012.00 | 6 | 5.62417 | 0.56630 | 0.07167 | 6 | 5.62417 | 0.56630 | 0.07167 |
| Starch, Megazyme | | 012.01 | 2 | 5.46250 | 0.39736 | 0.09500 | 2 | 5.46250 | 0.39736 | 0.09500 |
| Starch, Enzymatic | | 012.03 | 2 | 5.36000 | 0.33536 | 0.11000 | 2 | 5.36000 | 0.33536 | 0.11000 |
| Starch, YSI Analyzer | | 012.04 | 6 | 5.14750 | 0.96186 | 0.07500 | 6 | 5.14750 | 0.96186 | 0.07500 |
| Method Group 012.XX PCT | | | 16 | 5.39219 | 0.71626 | 0.08063 | 16 | 5.39219 | 0.71626 | 0.08063 |
| Fat, Mojonier, Bak Ext | 954.02 | 013.02 | 25 | 3.77560 | 0.37930 | 0.14160 | 23 | 3.73196 | 0.35037 | 0.10217 |
| Fat, Soxtec-Acid Hydrolysis | | 013.10 | 15 | 3.45400 | 0.36580 | 0.16627 | 14 | 3.44571 | 0.36618 | 0.12957 |
| Fat, Ankon-Acid Hydrolysis | | 013.13 | 1 | 3.83000 | 0.16971 | 0.24000 | 1 | 3.83000 | 0.16971 | 0.24000 |
| Fat, Pretreat or extended ext, misc | | 013.99 | 2 | 3.22750 | 0.60528 | 0.40500 | 2 | 3.22750 | 0.60528 | 0.40500 |
| Method Group 013.XX PCT | | | 43 | 3.63919 | 0.41682 | 0.16474 | 40 | 3.60900 | 0.39609 | 0.13035 |
| Aluminum, ICP | | 015.00 | 12 | 1433.30 | 719.065 | 98.3433 | 11 | 1448.60 | 744.004 | 48.9200 |
| Method Group 015.XX PPM | | | 12 | 1433.30 | 719.065 | 98.3433 | 11 | 1448.60 | 744.004 | 48.9200 |
| Arsenic, AA, Hydride | | 016.00 | 2 | 0.42925 | 0.16261 | 0.00650 | 2 | 0.42925 | 0.16261 | 0.00650 |

- Pass 1 Results for 218 Labs - - Pass 2 Results for 217 Labs -

| Method | AOAC 18th | Method Code | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|----------------------------------|-----------|-------------|-------------|------------|-----------|-----------------------|-------------|------------|-----------|-----------------------|
| Method Group 016.XX PPM | | | 2 | 0.42925 | 0.16261 | 0.00650 | 2 | 0.42925 | 0.16261 | 0.00650 |
| Boron, ICP | | 017.00 | 9 | 12.1933 | 1.37692 | 0.61778 | 9 | 12.1933 | 1.37692 | 0.61778 |
| Method Group 017.XX PPM | | | 9 | 12.1933 | 1.37692 | 0.61778 | 9 | 12.1933 | 1.37692 | 0.61778 |
| Cadmium, AA | | 018.01 | 2 | 0.12500 | 0.14434 | 0.00000 | 2 | 0.12500 | 0.14434 | 0.00000 |
| Cadmium, ICP | | 018.02 | 3 | 0.26483 | 0.03581 | 0.01067 | 3 | 0.26483 | 0.03581 | 0.01067 |
| Method Group 018.XX PPM | | | 5 | 0.20890 | 0.11345 | 0.00640 | 5 | 0.20890 | 0.11345 | 0.00640 |
| Calcium, Ox-Mn04 Vol | 927.02 | 019.00 | 17 | 5.40779 | 0.21130 | 0.06095 | 16 | 5.40390 | 0.21591 | 0.05226 |
| Calcium, At Abs Spect | 968.08 | 019.01 | 54 | 5.40471 | 0.29992 | 0.10439 | 50 | 5.41309 | 0.26974 | 0.07674 |
| Calcium, Semiauto (Autoanalyzer) | | 019.03 | 4 | 5.54250 | 0.19189 | 0.13500 | 4 | 5.54250 | 0.19189 | 0.13500 |
| Calcium, ICP, Dry Ash | | 019.05 | 36 | 5.36625 | 0.34300 | 0.13086 | 32 | 5.35746 | 0.27855 | 0.07290 |
| Calcium, EDTA | | 019.08 | 6 | 5.43005 | 0.15580 | 0.03960 | 6 | 5.43005 | 0.15580 | 0.03960 |
| Calcium, ICP, Wet Ash | | 019.09 | 28 | 5.49902 | 0.30067 | 0.14792 | 26 | 5.51009 | 0.28245 | 0.11468 |
| Calcium, Misc | | 019.99 | 6 | 5.19233 | 0.43967 | 0.11467 | 6 | 5.19233 | 0.43967 | 0.11467 |
| Method Group 019.XX PCT | | | 151 | 5.40959 | 0.30702 | 0.11252 | 140 | 5.41230 | 0.27868 | 0.08181 |
| Chromium, AA | | 020.00 | 2 | 15.7292 | 0.68790 | 0.53065 | 2 | 15.7292 | 0.68790 | 0.53065 |
| Chromium, ICP | | 020.01 | 8 | 10.3909 | 2.48806 | 0.87488 | 7 | 10.5911 | 2.47241 | 0.39700 |
| Chromium, Misc | | 020.99 | 1 | 12.3000 | 0.00000 | 0.00000 | 1 | 12.3000 | 0.00000 | 0.00000 |
| Method Group 020.XX PPM | | | 11 | 11.5351 | 2.98213 | 0.73275 | 10 | 11.7896 | 2.93437 | 0.38403 |
| Cobalt, AA | 968.08 | 021.01 | 6 | 11.9376 | 4.10012 | 0.28850 | 6 | 11.9376 | 4.10012 | 0.28850 |
| Cobalt, ICP | | 021.02 | 15 | 9.65853 | 1.04755 | 0.62720 | 13 | 9.69638 | 1.00960 | 0.40446 |
| Cobalt, Misc | | 021.99 | 1 | 10.5333 | 0.47864 | 0.67690 | 1 | 10.5333 | 0.47864 | 0.67690 |
| Method Group 021.XX PPM | | | 22 | 10.3199 | 2.46647 | 0.53709 | 20 | 10.4106 | 2.54148 | 0.38329 |
| Copper, AA | 968.08 | 022.01 | 32 | 184.467 | 10.8247 | 3.47276 | 32 | 184.467 | 10.8247 | 3.47276 |
| Copper, ICP, Dry Ash | 968.08 | 022.03 | 30 | 183.695 | 12.2404 | 4.91097 | 29 | 184.505 | 11.4597 | 4.36997 |
| Copper, ICP, Wet Ash | 968.08 | 022.05 | 28 | 190.993 | 15.0688 | 6.17989 | 26 | 191.319 | 14.9958 | 4.69373 |
| Copper, Misc | | 022.99 | 4 | 195.954 | 24.1882 | 3.68875 | 4 | 195.954 | 24.1882 | 3.68875 |
| Method Group 022.XX PPM | | | 94 | 186.653 | 13.7557 | 4.74733 | 91 | 186.942 | 13.4645 | 4.11702 |
| Fluorine, Ion Sel Elect | 975.08 | 023.01 | 1 | 0.00500 | 0.00000 | 0.00000 | 1 | 0.00500 | 0.00000 | 0.00000 |
| Iron, AA | 968.08 | 025.01 | 31 | 927.211 | 153.747 | 27.8363 | 29 | 944.467 | 128.840 | 17.4802 |
| Iron, ICP, Dry Ash | 968.08 | 025.03 | 29 | 971.569 | 111.515 | 34.9688 | 28 | 970.746 | 111.938 | 29.3351 |
| Iron, ICP, Wet Ash | 968.08 | 025.05 | 24 | 695.967 | 174.091 | 39.1603 | 24 | 695.967 | 174.091 | 39.1603 |
| Iron, Misc | | 025.99 | 2 | 815.287 | 181.626 | 2.59020 | 2 | 815.287 | 181.626 | 2.59020 |
| Method Group 025.XX PPM | | | 86 | 875.033 | 186.329 | 32.8145 | 83 | 878.364 | 182.623 | 27.3896 |
| Lead, Misc | | 026.00 | 4 | 0.90465 | 0.11624 | 0.07835 | 4 | 0.90465 | 0.11624 | 0.07835 |
| Lead, Misc | | 026.99 | 2 | 0.20250 | 0.23582 | 0.03750 | 2 | 0.20250 | 0.23582 | 0.03750 |
| Method Group 026.XX PPM | | | 6 | 0.67060 | 0.37853 | 0.06473 | 6 | 0.67060 | 0.37853 | 0.06473 |
| Magnesium, AA | 968.08 | 027.01 | 35 | 0.34527 | 0.02328 | 0.00842 | 33 | 0.34682 | 0.02250 | 0.00653 |
| Magnesium, ICP, Dry Ash | 968.08 | 027.03 | 31 | 0.35470 | 0.02353 | 0.00597 | 29 | 0.35520 | 0.02395 | 0.00466 |
| Magnesium, ICP, Wet Ash | 968.08 | 027.05 | 26 | 0.33322 | 0.02409 | 0.00699 | 25 | 0.33435 | 0.02369 | 0.00607 |

- Pass 1 Results for 218 Labs - - Pass 2 Results for 217 Labs -

| Method | AOAC 18th | Method Code | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---------------------------|-----------|-------------|-------------|------------|-----------|-----------------------|-------------|------------|-----------|-----------------------|
| Magnesium, Misc. | | 027.99 | 3 | 0.34120 | 0.04406 | 0.00747 | 3 | 0.34120 | 0.04406 | 0.00747 |
| Method Group 027.XX PCT | | | 95 | 0.34492 | 0.02558 | 0.00720 | 90 | 0.34587 | 0.02531 | 0.00583 |
| Manganese, AA | 968.08 | 028.01 | 32 | 364.302 | 28.2108 | 10.2113 | 30 | 366.122 | 26.8209 | 8.22543 |
| Manganese, ICP, Dry Ash | 968.08 | 028.03 | 30 | 369.964 | 29.1027 | 11.6232 | 28 | 368.645 | 26.5829 | 9.51132 |
| Manganese, ICP, Wet Ash | 968.08 | 028.05 | 27 | 375.908 | 32.7160 | 20.7986 | 27 | 375.908 | 32.7160 | 20.7986 |
| Manganese, Misc. | | 028.99 | 4 | 387.114 | 26.0344 | 22.0611 | 4 | 387.114 | 26.0344 | 22.0611 |
| Method Group 028.XX PPM | | | 93 | 370.479 | 30.1210 | 14.2502 | 89 | 370.828 | 28.9058 | 13.0661 |
| Mercury | | 029.00 | 2 | 0.89675 | 1.03144 | 0.00050 | 2 | 0.89675 | 1.03144 | 0.00050 |
| Method Group 029.XX PPM | | | 2 | 0.89675 | 1.03144 | 0.00050 | 2 | 0.89675 | 1.03144 | 0.00050 |
| Phosphorus, Vol | 964.06 | 031.00 | 1 | 1.05715 | 0.00813 | 0.01150 | 1 | 1.05715 | 0.00813 | 0.01150 |
| Phosphorus, Photometric | 965.17 | 031.01 | 60 | 1.04436 | 0.05421 | 0.01983 | 58 | 1.04201 | 0.05241 | 0.01723 |
| Phosphorus, GQMP (2.028) | 964.06 | 031.02 | 5 | 1.05590 | 0.00701 | 0.00816 | 5 | 1.05590 | 0.00701 | 0.00816 |
| Phosphorus, Autoanalyzer | | 031.03 | 8 | 1.02263 | 0.04916 | 0.03075 | 7 | 1.02800 | 0.04555 | 0.01943 |
| Phosphorus, ICP | | 031.05 | 63 | 1.03272 | 0.05307 | 0.02136 | 60 | 1.03242 | 0.05319 | 0.01764 |
| Phosphorus, Hach Method | | 031.06 | 3 | 1.03500 | 0.04037 | 0.01667 | 3 | 1.03500 | 0.04037 | 0.01667 |
| Phosphorus, Misc | | 031.99 | 5 | 1.08740 | 0.07072 | 0.02800 | 5 | 1.08740 | 0.07072 | 0.02800 |
| Method Group 031.XX PCT | | | 145 | 1.03988 | 0.05363 | 0.02085 | 139 | 1.03925 | 0.05266 | 0.01753 |
| Potassium, AA | 975.03 | 032.01 | 35 | 1.06263 | 0.05556 | 0.02377 | 33 | 1.06385 | 0.05497 | 0.01945 |
| Potassium, Flame Emission | 956.01 | 032.02 | 6 | 1.07542 | 0.02525 | 0.02350 | 5 | 1.07750 | 0.01732 | 0.01020 |
| Potassium, Em Spect | 953.01 | 032.04 | 1 | 1.11500 | 0.03536 | 0.05000 | 1 | 1.11500 | 0.03536 | 0.05000 |
| Potassium, ICP | | 032.05 | 59 | 1.08694 | 0.06325 | 0.03276 | 57 | 1.08868 | 0.06161 | 0.02812 |
| Potassium, Misc | | 032.99 | 3 | 1.12667 | 0.10463 | 0.03333 | 3 | 1.12667 | 0.10463 | 0.03333 |
| Method Group 032.XX PCT | | | 104 | 1.07951 | 0.06165 | 0.02938 | 99 | 1.08126 | 0.06067 | 0.02470 |
| Salt, Sol Cl | 943.01 | 033.00 | 21 | 3.31843 | 0.14453 | 0.05429 | 18 | 3.31397 | 0.14525 | 0.02961 |
| Salt, Poten Cl | 969.10 | 033.01 | 32 | 3.37068 | 0.05797 | 0.02567 | 31 | 3.37360 | 0.05545 | 0.02263 |
| Salt, Quantab | | 033.03 | 1 | 3.62000 | 0.18385 | 0.26000 | 1 | 3.62000 | 0.18385 | 0.26000 |
| Salt, Ion Sel Electrode | | 033.05 | 1 | 3.13500 | 0.06364 | 0.09000 | 1 | 3.13500 | 0.06364 | 0.09000 |
| Salt, Misc | | 033.99 | 8 | 3.35956 | 0.15111 | 0.04912 | 7 | 3.34021 | 0.14836 | 0.03186 |
| Method Group 033.XX PCT | | | 63 | 3.35207 | 0.11856 | 0.04293 | 58 | 3.35120 | 0.11686 | 0.03116 |
| Selenium, Fluor | 969.06 | 034.01 | 1 | 2.26000 | 0.09899 | 0.14000 | 1 | 2.26000 | 0.09899 | 0.14000 |
| Selenium, AA, Hydride | | 034.04 | 6 | 2.01613 | 0.32937 | 0.06023 | 6 | 2.01613 | 0.32937 | 0.06023 |
| Selenium, ICP | | 034.05 | 4 | 1.68238 | 0.59324 | 0.05275 | 4 | 1.68238 | 0.59324 | 0.05275 |
| Selenium, Misc | | 034.99 | 2 | 2.16500 | 0.28525 | 0.14000 | 2 | 2.16500 | 0.28525 | 0.14000 |
| Method Group 034.XX PPM | | | 13 | 1.95510 | 0.44329 | 0.07634 | 13 | 1.95510 | 0.44329 | 0.07634 |
| Sodium, AA | | 035.00 | 28 | 1.33059 | 0.06790 | 0.02955 | 27 | 1.33300 | 0.06719 | 0.02675 |
| Sodium, Ion Sel Electrode | | 035.01 | 4 | 1.34139 | 0.04897 | 0.03077 | 4 | 1.34139 | 0.04897 | 0.03077 |
| Sodium, Em Spect | 953.01 | 035.02 | 1 | 1.32500 | 0.03536 | 0.05000 | 1 | 1.32500 | 0.03536 | 0.05000 |
| Sodium, ICP | | 035.03 | 47 | 1.32054 | 0.08946 | 0.03425 | 45 | 1.32301 | 0.08544 | 0.02599 |
| Sodium, Flame Emission | 956.01 | 035.05 | 9 | 1.39828 | 0.09037 | 0.04167 | 8 | 1.40681 | 0.08332 | 0.01938 |

- Pass 1 Results for 218 Labs - - Pass 2 Results for 217 Labs -

| Method | AOAC 18th | Method Code | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---------------------------------|--------------|----------------|-------------------|---------------|--------------|--------------------------------|-------------------|---------------|--------------|--------------------------------|
| Sodium, Misc | | 035.99 | 2 | 1.40000 | 0.19900 | 0.04000 | 2 | 1.40000 | 0.19900 | 0.04000 |
| Method Group 035.XX PCT | | | 91 | 1.33403 | 0.08743 | 0.03368 | 87 | 1.33645 | 0.08475 | 0.02644 |
| Sulfur, (Gravimetric) | | 036.00 | 2 | 0.47250 | 0.08382 | 0.00500 | 2 | 0.47250 | 0.08382 | 0.00500 |
| Sulfur, ICP | | 036.03 | 23 | 0.40826 | 0.05958 | 0.00856 | 21 | 0.41182 | 0.06046 | 0.00626 |
| Sulfur, LECO | | 036.04 | 2 | 0.38500 | 0.01000 | 0.01000 | 2 | 0.38500 | 0.01000 | 0.01000 |
| Method Group 036.XX PCT | | | 27 | 0.41130 | 0.06132 | 0.00840 | 25 | 0.41453 | 0.06202 | 0.00646 |
| Zinc, AA | 968.08 | 037.01 | 30 | 652.236 | 32.4918 | 10.5757 | 29 | 650.917 | 32.0135 | 9.52662 |
| Zinc, ICP, Dry Ash | 968.08 | 037.03 | 29 | 638.629 | 46.3871 | 15.6173 | 27 | 634.091 | 42.4345 | 10.7867 |
| Zinc, ICP, Wet Ash | 968.08 | 037.05 | 27 | 652.792 | 44.3141 | 12.6594 | 26 | 652.707 | 44.9003 | 11.2232 |
| Zinc, Misc | | 037.99 | 4 | 700.332 | 26.1090 | 23.2097 | 4 | 700.332 | 26.1090 | 23.2097 |
| Method Group 037.XX PPM | | | 90 | 650.156 | 42.4310 | 13.3869 | 86 | 648.474 | 41.5634 | 11.0716 |
| Molybdenum, ICP | | 038.00 | 9 | 2.08514 | 0.48963 | 0.16083 | 9 | 2.08514 | 0.48963 | 0.16083 |
| Molybdenum, Misc | | 038.99 | 1 | 2.80000 | 0.00000 | 0.00000 | 1 | 2.80000 | 0.00000 | 0.00000 |
| Method Group 038.XX PPM | | | 10 | 2.15663 | 0.51275 | 0.14475 | 10 | 2.15663 | 0.51275 | 0.14475 |
| Nickel, AA | | 039.01 | 1 | 16.0000 | 0.14142 | 0.20000 | 1 | 16.0000 | 0.14142 | 0.20000 |
| Nickel, ICP | | 039.02 | 5 | 15.1981 | 2.45504 | 1.21180 | 5 | 15.1981 | 2.45504 | 1.21180 |
| Method Group 039.XX PPM | | | 6 | 15.3318 | 2.24290 | 1.04317 | 6 | 15.3318 | 2.24290 | 1.04317 |
| Barium, ICP | | 040.00 | 1 | 7.88000 | 0.24042 | 0.34000 | 1 | 7.88000 | 0.24042 | 0.34000 |
| Vanadium, ICP | | 041.00 | 3 | 3.54558 | 0.24127 | 0.14683 | 3 | 3.54558 | 0.24127 | 0.14683 |
| Method Group 041.XX PPM | | | 3 | 3.54558 | 0.24127 | 0.14683 | 3 | 3.54558 | 0.24127 | 0.14683 |
| Monensin, Plate | 972.56 | 065.00 | 6 | 273.550 | 22.3465 | 8.33333 | 6 | 273.550 | 22.3465 | 8.33333 |
| Monensin, Turbid | 976.37 | 065.01 | 2 | 258.600 | 7.02282 | 4.60000 | 2 | 258.600 | 7.02282 | 4.60000 |
| Monensin, HPLC | 997.04 | 065.03 | 9 | 283.091 | 23.6995 | 4.68222 | 8 | 284.603 | 24.6190 | 3.26750 |
| Monensin, Misc | | 065.99 | 4 | 275.875 | 47.0272 | 7.25000 | 4 | 275.875 | 47.0272 | 7.25000 |
| Method Group 065.XX G/TON | | | 21 | 276.658 | 28.3017 | 6.20667 | 20 | 276.941 | 28.9319 | 5.71700 |
| Riboflavin, Fluorometric | 970.65 | 104.00 | 1 | 2.65000 | 0.04243 | 0.06000 | 1 | 2.65000 | 0.04243 | 0.06000 |
| Thiamine, HPLC | | 105.00 | 1 | 1.73000 | 0.09899 | 0.14000 | 1 | 1.73000 | 0.09899 | 0.14000 |
| Thiamine, | 942.23 | 105.01 | 1 | 1.53000 | 0.14142 | 0.20000 | 1 | 1.53000 | 0.14142 | 0.20000 |
| Method Group 105.XX MG/LB | | | 2 | 1.63000 | 0.15253 | 0.17000 | 2 | 1.63000 | 0.15253 | 0.17000 |
| Vitamin A, Color | 974.29 | 106.00 | 1 | 29.5000 | 0.70711 | 1.00000 | 1 | 29.5000 | 0.70711 | 1.00000 |
| Vitamin A, HPLC | | 106.02 | 25 | 23.1110 | 6.68316 | 1.26800 | 25 | 23.1110 | 6.68316 | 1.26800 |
| Method Group 106.XX KU/LB | | | 26 | 23.3567 | 6.66799 | 1.25769 | 26 | 23.3567 | 6.66799 | 1.25769 |
| Vitamin D3, HPLC | | 108.02 | 2 | 3.73250 | 0.79542 | 0.08500 | 2 | 3.73250 | 0.79542 | 0.08500 |
| Method Group 108.XX KU/LB | | | 2 | 3.73250 | 0.79542 | 0.08500 | 2 | 3.73250 | 0.79542 | 0.08500 |
| Vitamin E, HPLC | | 109.02 | 6 | 13.1833 | 4.69658 | 1.66792 | 5 | 11.8180 | 3.31573 | 0.40550 |
| Vitamin E, Misc | | 109.99 | 1 | 10.0000 | 0.00000 | 0.00000 | 1 | 10.0000 | 0.00000 | 0.00000 |
| Method Group 109.XX MG/KG | | | 7 | 12.7285 | 4.47220 | 1.42964 | 6 | 11.5150 | 3.08154 | 0.33792 |
| Alanine, Post-col Ninhydrin Der | 994.12 | 120.00 | 11 | 1.07340 | 0.02919 | 0.02389 | 10 | 1.06839 | 0.02242 | 0.01766 |
| Alanine, Pre-col AQC Der | | 120.05 | 2 | 1.10250 | 0.01708 | 0.01500 | 2 | 1.10250 | 0.01708 | 0.01500 |

- Pass 1 Results for 218 Labs - - Pass 2 Results for 217 Labs -

| Method | AOAC 18th | Method Code | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|--|--------------|----------------|-------------------|---------------|--------------|-----------------------------|-------------------|---------------|--------------|-----------------------------|
| Method Group 120.XX PCT | | | 13 | 1.07788 | 0.02942 | 0.02168 | 12 | 1.07408 | 0.02494 | 0.01722 |
| Arginine, Post-col Ninhydrin Der | 994.12 | 121.00 | 12 | 1.62085 | 0.07889 | 0.04362 | 12 | 1.62085 | 0.07889 | 0.04362 |
| Arginine, Pre-col AQC Der | | 121.05 | 2 | 1.65750 | 0.15435 | 0.08500 | 2 | 1.65750 | 0.15435 | 0.08500 |
| Method Group 121.XX PCT | | | 14 | 1.62608 | 0.09011 | 0.04954 | 14 | 1.62608 | 0.09011 | 0.04954 |
| Aspartic, Post-col Ninhydrin Der | 994.12 | 122.00 | 12 | 1.70539 | 0.05734 | 0.02838 | 12 | 1.70539 | 0.05734 | 0.02838 |
| Aspartic, Pre-col AQC Der | | 122.05 | 2 | 1.70250 | 0.07932 | 0.02500 | 2 | 1.70250 | 0.07932 | 0.02500 |
| Method Group 122.XX PCT | | | 14 | 1.70498 | 0.05917 | 0.02790 | 14 | 1.70498 | 0.05917 | 0.02790 |
| Cysteine/Cystine, PAO Post-col Ninhydrin Der | 994.12 | 124.00 | 10 | 0.38590 | 0.03478 | 0.00850 | 10 | 0.38590 | 0.03478 | 0.00850 |
| Cysteine/Cystine, PAO Post-col OPA Der | | 124.02 | 1 | 0.35500 | 0.00707 | 0.01000 | 1 | 0.35500 | 0.00707 | 0.01000 |
| Cysteine/Cystine, PAO Pre-col AQC Der | | 124.05 | 1 | 0.34500 | 0.00707 | 0.01000 | 1 | 0.34500 | 0.00707 | 0.01000 |
| Method Group 124.XX PCT | | | 12 | 0.37992 | 0.03457 | 0.00875 | 12 | 0.37992 | 0.03457 | 0.00875 |
| Glutamic, Post-col Ninhydrin Der | 994.12 | 125.00 | 12 | 3.37125 | 0.10891 | 0.08066 | 11 | 3.36728 | 0.10249 | 0.05981 |
| Glutamic, Pre-col AQC Der | | 125.05 | 2 | 3.37000 | 0.09592 | 0.04000 | 2 | 3.37000 | 0.09592 | 0.04000 |
| Method Group 125.XX PCT | | | 14 | 3.37108 | 0.10549 | 0.07485 | 13 | 3.36770 | 0.09964 | 0.05676 |
| Glycine, Post-col Ninhydrin Der | 994.12 | 126.00 | 11 | 0.93431 | 0.03391 | 0.01989 | 11 | 0.93431 | 0.03391 | 0.01989 |
| Glycine, Pre-col AQC Der | | 126.05 | 2 | 0.91250 | 0.10079 | 0.04500 | 2 | 0.91250 | 0.10079 | 0.04500 |
| Method Group 126.XX PCT | | | 13 | 0.93095 | 0.04743 | 0.02375 | 13 | 0.93095 | 0.04743 | 0.02375 |
| Histidine, Post-col Ninhydrin Der | 994.12 | 127.00 | 11 | 0.52703 | 0.03271 | 0.01328 | 11 | 0.52703 | 0.03271 | 0.01328 |
| Histidine, Pre-col AQC Der | | 127.05 | 2 | 0.56000 | 0.03367 | 0.03000 | 2 | 0.56000 | 0.03367 | 0.03000 |
| Method Group 127.XX PCT | | | 13 | 0.53210 | 0.03438 | 0.01585 | 13 | 0.53210 | 0.03438 | 0.01585 |
| Isoleucine, Post-col Ninhydrin Der | 994.12 | 128.00 | 11 | 0.67650 | 0.03073 | 0.01410 | 10 | 0.67670 | 0.03104 | 0.01001 |
| Isoleucine, Pre-col AQC Der | | 128.05 | 2 | 0.70750 | 0.06021 | 0.03500 | 2 | 0.70750 | 0.06021 | 0.03500 |
| Method Group 128.XX PCT | | | 13 | 0.68127 | 0.03686 | 0.01732 | 12 | 0.68184 | 0.03750 | 0.01417 |
| Leucine, Post-col Ninhydrin Der | 994.12 | 129.00 | 12 | 1.44133 | 0.03878 | 0.02691 | 12 | 1.44133 | 0.03878 | 0.02691 |
| Leucine, Pre-col AQC Der | | 129.05 | 2 | 1.43500 | 0.06608 | 0.05000 | 2 | 1.43500 | 0.06608 | 0.05000 |
| Method Group 129.XX PCT | | | 14 | 1.44043 | 0.04209 | 0.03021 | 14 | 1.44043 | 0.04209 | 0.03021 |
| L-Lysine, Post-col Ninhydrin Der | 994.12 | 130.00 | 11 | 0.86281 | 0.05821 | 0.02264 | 11 | 0.86281 | 0.05821 | 0.02264 |
| L-Lysine, Pre-col AQC Der | | 130.05 | 2 | 0.93000 | 0.07118 | 0.02000 | 2 | 0.93000 | 0.07118 | 0.02000 |
| Method Group 130.XX PCT | | | 13 | 0.87315 | 0.06376 | 0.02223 | 13 | 0.87315 | 0.06376 | 0.02223 |
| Methionine, PAO Post-col Ninhydrin Der | 994.12 | 131.00 | 9 | 0.28314 | 0.01829 | 0.01051 | 8 | 0.28166 | 0.01658 | 0.00558 |
| Methionine, PAO Post-col OPA Der | | 131.02 | 1 | 0.26000 | 0.01414 | 0.02000 | 1 | 0.26000 | 0.01414 | 0.02000 |
| Methionine, PAO Pre-col AQC Der | | 131.05 | 2 | 0.30000 | 0.01826 | 0.03000 | 2 | 0.30000 | 0.01826 | 0.03000 |
| Method Group 131.XX PCT | | | 12 | 0.28403 | 0.01987 | 0.01455 | 11 | 0.28303 | 0.01898 | 0.01133 |
| Phenylalanine, Post-col Ninhydrin Der | 994.12 | 132.00 | 12 | 0.96838 | 0.07723 | 0.02033 | 11 | 0.97887 | 0.07069 | 0.01491 |
| Phenylalanine, Pre-col AQC Der | | 132.05 | 2 | 0.96000 | 0.04761 | 0.04000 | 2 | 0.96000 | 0.04761 | 0.04000 |
| Method Group 132.XX PCT | | | 14 | 0.96719 | 0.07309 | 0.02314 | 13 | 0.97597 | 0.06721 | 0.01877 |
| Proline, Post-col Ninhydrin Der | 994.12 | 133.00 | 11 | 1.13477 | 0.06404 | 0.03149 | 11 | 1.13477 | 0.06404 | 0.03149 |
| Proline, Pre-col AQC Der | | 133.05 | 2 | 1.08250 | 0.04500 | 0.03500 | 2 | 1.08250 | 0.04500 | 0.03500 |
| Method Group 133.XX PCT | | | 13 | 1.12673 | 0.06370 | 0.03203 | 13 | 1.12673 | 0.06370 | 0.03203 |

- Pass 1 Results for 218 Labs - - Pass 2 Results for 217 Labs -

| Method | AOAC 18th | Method Code | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups | No. of Labs | Grand Avg. | Std. Dev. | Average Range of Dups |
|---|--------------|----------------|-------------------|---------------|--------------|--------------------------------|-------------------|---------------|--------------|--------------------------------|
| Serine, Post-col Ninhydrin Der | 994.12 | 134.00 | 12 | 0.95385 | 0.06927 | 0.02214 | 12 | 0.95385 | 0.06927 | 0.02214 |
| Serine, Pre-col AQC Der | | 134.05 | 2 | 0.99250 | 0.04272 | 0.05500 | 2 | 0.99250 | 0.04272 | 0.05500 |
| Method Group 134.XX PCT | | | 14 | 0.95938 | 0.06693 | 0.02684 | 14 | 0.95938 | 0.06693 | 0.02684 |
| Threonine, Post-col Ninhydrin Der | 994.12 | 135.00 | 12 | 0.82995 | 0.04746 | 0.01382 | 12 | 0.82995 | 0.04746 | 0.01382 |
| Threonine, Pre-col AQC Der | | 135.05 | 2 | 0.81500 | 0.04796 | 0.04000 | 2 | 0.81500 | 0.04796 | 0.04000 |
| Method Group 135.XX PCT | | | 14 | 0.82781 | 0.04693 | 0.01756 | 14 | 0.82781 | 0.04693 | 0.01756 |
| Tryptophan, Alka-Hydrol Post-col Ninhyd | 988.15 | 136.00 | 2 | 0.23500 | 0.00995 | 0.01570 | 2 | 0.23500 | 0.00995 | 0.01570 |
| Tryptophan, Alka-Hydrol Rev Phase LC UV | | 136.01 | 4 | 0.23250 | 0.00895 | 0.00385 | 4 | 0.23250 | 0.00895 | 0.00385 |
| Tryptophan, Misc | | 136.99 | 1 | 0.22500 | 0.00707 | 0.01000 | 1 | 0.22500 | 0.00707 | 0.01000 |
| Method Group 136.XX PCT | | | 7 | 0.23214 | 0.00896 | 0.00811 | 7 | 0.23214 | 0.00896 | 0.00811 |
| Tyrosine, Post-col Ninhydrin Der | 994.12 | 137.00 | 7 | 0.63489 | 0.05102 | 0.02356 | 7 | 0.63489 | 0.05102 | 0.02356 |
| Tyrosine, Pre-col AQC Der | | 137.05 | 2 | 0.58500 | 0.02646 | 0.04000 | 2 | 0.58500 | 0.02646 | 0.04000 |
| Method Group 137.XX PCT | | | 9 | 0.62381 | 0.05069 | 0.02721 | 9 | 0.62381 | 0.05069 | 0.02721 |
| Valine, Post-col Ninhydrin Der | 994.12 | 138.00 | 11 | 0.95600 | 0.03741 | 0.03092 | 11 | 0.95600 | 0.03741 | 0.03092 |
| Valine, Pre-col AQC Der | | 138.05 | 2 | 0.94000 | 0.11165 | 0.03000 | 2 | 0.94000 | 0.11165 | 0.03000 |
| Method Group 138.XX PCT | | | 13 | 0.95354 | 0.05202 | 0.03078 | 13 | 0.95354 | 0.05202 | 0.03078 |
| Taurine, Post-col Ninhydrin Der | 994.12 | 139.00 | 1 | 0.03500 | 0.00707 | 0.01000 | 1 | 0.03500 | 0.00707 | 0.01000 |
| Aflatoxin, Vicam Aflatest | 991.31 | 300.03 | 1 | 2.00000 | 0.00000 | 0.00000 | 1 | 2.00000 | 0.00000 | 0.00000 |

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|--------|-----|---------------|-------|-----|---------------|-------|-----|-----------------|-------|-----|---------------|-------|
| -- | Method 000.01 | -- | -- | Method 001.07 | -- | -- | Method 001.07 | -- | -- | Method 002.01 | -- | -- | Method 002.05 | -- |
| 098 | 20.365 | 1.35 | 653 | 11.200 s | 5.11 | 074 | 7.1750 | -1.61 | 710 | 40.840 | .87 | 194 | 41.085 | .44 |
| 202 | 19.900 | .57 | 142 | 10.550 s | 4.03 | 345 | 6.8200 | -2.20 | 607 | 40.755 | .72 | 847 | 40.995 | .38 |
| 278 | 19.550 | .08 | 675 | 9.2500 | 1.86 | 591 | 6.6800 | -2.44 | 723 | 40.780 | .67 | 722 | 41.027 | .37 |
| 693 | 19.550 | .08 | 845 | 9.0000 R | 1.85 | -- | -- | -- | Avg | 40.570 | -- | 658 | 40.944 | .29 |
| Avg | 19.548 | -- | 616 | 9.1200 | 1.64 | -- | Method 001.08 | -- | 731 | 40.515 | -0.25 | 622 | 40.910 | .23 |
| 035 | 19.490 | -0.14 | 550 | 8.9900 | 1.43 | 590 | 8.4700 | .71 | 350 | 40.531 | -0.30 | Avg | 40.739 | -- |
| 505 | 18.435 | -1.82 | 849 | 8.9650 | 1.38 | -- | Method 001.99 | -- | 652 | 40.450 | -0.61 | 552 | 40.625 | -0.18 |
| -- | Method 000.02 | -- | 307 | 8.8250 | 1.23 | -- | Method 001.99 | -- | 672 | 40.420 | -0.68 | 849 | 40.550 | -0.25 |
| 673 | 6.5000 | .71 | 581 | 8.7750 | 1.07 | 662 | 10.309 | 2.01 | 653 | 40.360 | -0.76 | 039 | 40.404 | -0.44 |
| -- | Method 000.99 | -- | 139 | 8.7300 | .99 | 615 | 9.9350 | 1.60 | 098 | 40.075 | -1.58 | 178 | 40.500 | -0.49 |
| 208 | 6.5250 | .87 | 048 | 8.6850 | .92 | 096 | 9.7000 | 1.33 | 848 | 40.070 | -1.60 | 354 | 40.230 | -0.65 |
| Avg | 3.5175 | -- | 089 | 8.5550 | .69 | 676 | 9.0265 | .57 | 662 | 6.4240 s-109.30 | -- | 596 | 40.200 | -0.74 |
| 265 | 0.5100 | -0.87 | 199 | 8.4800 | .57 | 656 | 9.0400 | .56 | -- | Method 002.02 | -- | 633 | 40.153 | -0.75 |
| -- | Method 001.00 | -- | 278 | 8.4050 | .44 | 787 | 8.7600 | .25 | 307 | 41.850 | 1.51 | 689 | 40.050 | -0.90 |
| 720 | 10.880 S | 1.97 | 187 | 8.4000 | .44 | 505 | 8.7700 | .24 | 297 | 41.800 | 1.28 | 083 | 40.005 | -0.94 |
| 504 | 9.7800 R | 1.26 | 178 | 8.1500 | .42 | Avg | 8.5609 | -- | 043 | 40.940 | .43 | 625 | 39.670 | -1.37 |
| 844 | 9.4100 | .71 | 015 | 8.3300 | .38 | 672 | 8.5500 | -0.02 | Avg | 40.776 | -- | 674 | 39.185 | -2.00 |
| 309 | 9.2450 | .61 | 413 | 8.3500 | .36 | 638 | 8.4700 | -0.11 | 152 | 40.500 | -0.37 | -- | Method 002.06 | -- |
| 783 | 8.6950 | .19 | 171 | 8.3400 | .35 | 729 | 8.3700 | -0.22 | 048 | 40.270 | -0.63 | 803 | 42.585 s | 3.84 |
| 722 | 8.7490 | .16 | 669 | 8.2550 | .30 | 357 | 8.2300 | -0.41 | 669 | 40.220 | -0.70 | 616 | 42.495 s | 3.61 |
| Avg | 8.2705 | -- | 098 | 8.2600 | .26 | 665 | 8.0800 | -0.55 | 169 | 39.850 | -1.18 | 160 | 42.105 | 2.64 |
| 169 | 8.1600 | -0.34 | 607 | 8.2750 | .24 | 631 | 8.0200 | -0.62 | 187 | 37.545 s | -4.04 | 511 | 42.000 | 2.37 |
| 596 | 7.5500 | -0.93 | 366 | 8.1500 | .09 | 619 | 7.9000 | -0.76 | -- | Method 002.04 | -- | 043 | 41.985 | 2.34 |
| 509 | 7.2600 | -1.09 | 679 | 8.1500 | .09 | 630 | 7.8550 | -0.81 | 504 | 40.845 | 1.30 | 736 | 41.455 R | 2.25 |
| 029 | 7.0950 | -1.23 | 065 | 8.1500 | .05 | 536 | 7.7700 | -0.94 | 638 | 40.540 | .55 | 574 | 41.755 | 1.76 |
| 560 | 5.4050 S | -2.66 | Avg | 8.1389 | -- | 541 | 6.7500 | -2.08 | 509 | 40.570 | .21 | 630 | 41.705 | 1.64 |
| -- | Method 001.03 | -- | 571 | 8.0800 | -0.15 | -- | Method 002.00 | -- | 845 | 41.095 | 1.37 | 682 | 41.670 | 1.55 |
| 567 | 79.000 S | 144.71 | 045 | 7.9550 | -0.31 | 845 | 41.095 | 1.37 | 028 | 40.600 | .53 | 205 | 41.640 | 1.48 |
| 686 | 8.7150 | 1.28 | 038 | 7.8100 | -0.57 | 028 | 40.600 | .53 | 199 | 40.450 | -0.51 | 712 | 41.595 | 1.39 |
| Avg | 8.0917 | -- | 049 | 7.8950 | -0.58 | 199 | 40.715 | .46 | Avg | 40.518 | -- | 771 | 41.505 | 1.38 |
| 688 | 7.8500 | -0.50 | 588 | 7.7400 | -0.67 | Avg | 40.518 | -- | 679 | 40.185 | -0.79 | 190 | 41.590 | 1.35 |
| 731 | 7.7100 | -0.78 | 609 | 7.7000 | -0.73 | 015 | 39.995 | -1.23 | -- | Method 002.05 | -- | 004 | 41.345 R | 1.35 |
| -- | Method 002.00 | -- | 083 | 7.7000 | -0.74 | 015 | 39.995 | -1.23 | 852 | 42.200 | 1.87 | 673 | 41.550 | 1.26 |
| 688 | 7.8500 | -0.50 | 297 | 7.6500 | -0.82 | -- | Method 002.01 | -- | 177 | 42.150 | 1.81 | 363 | 41.540 | 1.24 |
| 688 | 7.8500 | -0.50 | 693 | 7.9880 R | -0.85 | -- | Method 002.01 | -- | 621 | 41.875 | 1.45 | 857 | 41.230 R | 1.21 |
| 688 | 7.8500 | -0.50 | 177 | 7.5600 | -0.97 | 656 | 41.040 | 1.51 | 651 | 41.483 | .96 | 853 | 41.475 | 1.14 |
| 688 | 7.8500 | -0.50 | 353 | 7.5350 | -1.02 | 716 | 40.800 | .98 | 591 | 41.210 R | .73 | 783 | 41.470 | 1.05 |
| 688 | 7.8500 | -0.50 | 689 | 7.5000 | -1.07 | 043 | 40.770 | .95 | 620 | 41.273 | .68 | 035 | 41.460 | 1.03 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|-------|-----|---------------|-------|-----|---------------|--------|-----|---------------|--------|-----|---------------|-------|
| -- | Method 002.06 | -- | -- | Method 002.06 | -- | -- | Method 002.06 | -- | -- | Method 002.08 | -- | -- | Method 002.99 | -- |
| 233 | 41.430 | .96 | 138 | 41.105 | .20 | 026 | 40.740 | -.77 | 062 | 41.029 | 1.54 | 668 | 41.370 | 1.22 |
| 692 | 41.415 | .96 | 358 | 41.050 | .20 | 108 | 40.790 | -.78 | 855 | 40.440 | .77 | 305 | 41.065 | .63 |
| 018 | 41.395 | .94 | 003 | 41.120 | .19 | 720 | 40.820 | -.79 | 563 | 40.054 | .09 | Avg | 40.705 | |
| 037 | 41.400 | .90 | 242 | 41.065 | .17 | 571 | 40.722 | -.84 | Avg | 39.990 | | 724 | 40.200 | -.88 |
| 179 | 41.365 | .89 | 817 | 41.080 | .15 | 096 | 40.710 | -.85 | 208 | 39.950 | -.09 | 643 | 40.185 | -.91 |
| 417 | 41.365 | .88 | 407 | 41.100 | .14 | 098 | 40.700 | -.90 | 160 | 39.315 | -.99 | 613 | 40.000 R | -2.09 |
| 512 | 41.380 | .85 | 413 | 41.050 | .12 | 051 | 40.685 | -.90 | 309 | 39.155 | -1.23 | 826 | 37.740 S | -5.17 |
| 615 | 41.355 | .85 | 619 | 41.050 | .12 | 229 | 40.670 | -.94 | -- | Method 002.10 | -- | -- | Method 003.00 | -- |
| 038 | 41.380 | .83 | 823 | 41.050 | .12 | 014 | 40.665 | -.95 | -- | 40.660 | 1.05 | 106 | 6.5800 s | 5.32 |
| 590 | 41.360 | .81 | Avg | 41.047 | | 626 | 40.750 | -.98 | 856 | 40.705 | 1.00 | 033 | 5.5050 S | 3.66 |
| 726 | 41.364 | .80 | 357 | 41.030 | -.09 | 226 | 40.700 | -1.00 | 675 | 40.635 | .81 | 354 | 5.0000 S | 2.88 |
| 554 | 41.350 | .79 | 142 | 41.000 | -.12 | 550 | 40.648 | -1.00 | 629 | 40.475 | .38 | 139 | 4.8900 S | 2.71 |
| 670 | 41.095 | .77 | 337 | 41.020 | -.12 | 001 | 40.635 | -1.03 | 546 | 40.400 | .32 | 849 | 4.7250 S | 2.45 |
| 294 | 41.345 | .74 | 164 | 40.995 | -.13 | 508 | 40.899 R | -1.06 | 619 | 40.339 | -.47 | 309 | 4.2100 R | 1.69 |
| 744 | 41.335 | .72 | 034 | 40.980 | -.17 | 598 | 40.585 | -1.15 | Avg | 40.200 | -.67 | 563 | 4.2350 | 1.68 |
| 122 | 41.220 | .72 | 199 | 41.000 | -.21 | 789 | 40.561 | -1.23 | 688 | 40.200 | -.69 | 190 | 3.8900 | 1.15 |
| 263 | 41.312 | .66 | 074 | 41.025 | -.22 | 353 | 40.550 | -1.29 | 596 | 40.160 | -.69 | 265 | 3.7950 | 1.01 |
| 009 | 41.215 | .66 | 010 | 40.950 | -.24 | 006 | 40.499 | -1.37 | 727 | 40.160 | -2.08 | 152 | 3.7000 | .85 |
| 202 | 41.305 | .65 | 787 | 41.045 | -.26 | 278 | 40.550 | -1.38 | 631 | 39.615 | -2.08 | 164 | 3.6800 | .82 |
| 809 | 41.300 | .63 | 168 | 41.035 | -.26 | 013 | 40.520 | -1.39 | 729 | 22.255 s | -49.50 | 353 | 3.6300 | .79 |
| 672 | 41.250 | .63 | 819 | 40.950 | -.27 | 139 | 40.470 | -1.44 | -- | Method 002.11 | -- | 509 | 3.5100 | .56 |
| 011 | 41.095 | .62 | 185 | 40.935 | -.28 | 510 | 40.550 R | -1.51 | 665 | 46.945 S | 7.67 | 048 | 3.4300 | .44 |
| 693 | 41.200 | .57 | 753 | 40.925 | -.31 | 021 | 40.450 | -1.61 | 567 | 46.350 S | 7.03 | 596 | 3.3900 | .37 |
| 298 | 41.260 | .53 | 650 | 41.030 | -.35 | 686 | 40.425 | -1.65 | 178 | 44.350 S | 4.90 | 512 | 3.3255 | .31 |
| 505 | 41.250 | .53 | 121 | 41.040 | -.37 | 265 | 40.365 | -1.70 | 588 | 42.005 | 2.38 | 132 | 3.2700 | .26 |
| 032 | 41.250 | .52 | 763 | 40.895 | -.38 | 588 | 40.355 | -1.75 | 553 | 40.382 | .74 | 026 | 3.2600 | .17 |
| 647 | 41.240 | .50 | 541 | 40.970 | -.44 | 366 | 40.750 R | -1.78 | 672 | 40.175 | .42 | 194 | 3.2550 | .17 |
| 843 | 41.230 | .48 | 609 | 40.875 | -.47 | 045 | 40.350 R | -1.94 | 688 | 39.800 | .11 | Avg | 3.0885 | |
| 660 | 41.220 | .44 | 345 | 40.855 | -.50 | 049 | 40.281 | -2.07 | Avg | 39.782 | | 175 | 3.0550 | -.17 |
| 782 | 41.220 | .44 | 354 | 40.830 | -.55 | 567 | 40.200 | -2.12 | 011 | 39.700 | -.14 | 039 | 2.9494 | -.31 |
| 520 | 41.185 | .42 | 106 | 40.820 | -.58 | 596 | 40.200 | -2.17 | 724 | 39.650 | -.18 | 307 | 2.8500 | -.47 |
| 148 | 41.205 | .39 | 539 | 40.825 | -.59 | 132 | 39.915 | -2.83 | 032 | 39.475 X | -.37 | 848 | 2.8150 | -.53 |
| 646 | 41.120 | .39 | 738 | 40.805 | -.62 | 674 | 39.850 s | -3.29 | 631 | 39.085 | -.75 | 032 | 2.7900 | -.56 |
| 175 | 41.200 | .38 | 019 | 40.795 | -.65 | 047 | 39.700 A | -3.36 | 731 | 38.825 | -1.03 | 337 | 2.7400 | -.64 |
| 504 | 41.070 | .38 | 119 | 40.790 | -.65 | 144 | 39.565 s | -3.69 | 727 | 38.721 | -1.14 | 187 | 2.6300 | -.81 |
| 029 | 41.150 | .30 | 100 | 40.775 | -.69 | 779 | 39.465 s | -3.94 | 309 | 39.155 s | -4.71 | 345 | 2.6250 | -.81 |
| 089 | 41.160 | .28 | 017 | 40.790 | -.71 | 309 | 39.155 s | -4.71 | 027 | 7.4100 s | -83.72 | 142 | 2.6000 | -.87 |
| 171 | 41.100 | .28 | 529 | 40.765 | -.71 | 027 | 7.4100 s | -83.72 | 645 | 6.4800 s | -86.03 | 179 | 2.5600 | -.91 |
| 065 | 41.120 | .22 | 573 | 40.760 | -.72 | 645 | 6.4800 s | -86.03 | | | | | | |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|
| -- | Method 003.00 | -- | -- | Method 003.09 | -- | -- | Method 003.10 | -- | -- | Method 003.11 | -- | -- | Method 003.99 | -- |
| 615 | 2.5450 R | -1.02 | 651 | 4.6095 S | 2.36 | 178 | 2.6500 | .56 | 178 | 2.2000 | -.35 | 855 | 4.4900 | 1.94 |
| 726 | 2.3074 | -1.31 | 505 | 4.4250 | 2.05 | 672 | 2.6500 | .56 | 588 | 2.1200 | -.37 | 826 | 4.3500 | 1.74 |
| 616 | 2.1850 | -1.50 | 358 | 4.3800 | 1.99 | 045 | 2.6000 | .56 | 011 | 1.9000 | -1.09 | 712 | 3.6100 R | .97 |
| 015 | 1.8250 | -2.05 | 004 | 4.1050 | 1.53 | 856 | 2.6150 | .33 | 567 | 1.6800 | -1.82 | 724 | 3.2550 R | .52 |
| | | | 630 | 3.6550 R | .89 | 693 | 2.5950 | .32 | | | | 546 | 3.3500 | .34 |
| -- | Method 003.01 | -- | 354 | 3.6550 | .76 | 233 | 2.6100 | .31 | -- | Method 003.12 | -- | Avg | 3.1365 | -- |
| 504 | 3.0950 | .71 | 722 | 3.6329 | .75 | 062 | 2.6060 | .29 | 357 | 3.1000 | .80 | 631 | 2.9350 | -.29 |
| | | | 350 | 3.4201 | .38 | 573 | 2.5900 | .27 | 670 | 3.0300 | .52 | 738 | 2.8800 | -.37 |
| -- | Method 003.06 | -- | 656 | 3.2700 | .31 | 034 | 2.5600 | .12 | Avg | 2.9383 | | 536 | 2.8750 | -.38 |
| 625 | 4.1050 S | 5.84 | 723 | 3.3650 | .28 | Avg | 2.5474 | | 171 | 2.6850 | -1.26 | 787 | 2.6750 | -.67 |
| 658 | 3.5370 | 2.70 | 510 | 3.3500 | .27 | 208 | 2.5200 | -.14 | -- | Method 003.13 | -- | 710 | 2.6050 | -.76 |
| 621 | 3.2850 | 1.90 | 590 | 3.3000 | .19 | 100 | 2.5150 | -.16 | -- | Method 003.13 | -- | 847 | 2.6050 | -.77 |
| 688 | 3.0500 | 1.19 | 620 | 3.2545 | .15 | 629 | 2.4850 | -.31 | 646 | 2.7200 | 1.69 | 047 | 2.6000 | -.77 |
| 852 | 3.0500 | 1.19 | Avg | 3.1472 | | 619 | 2.4950 | -.41 | 205 | 2.5330 | .69 | | | |
| 588 | 2.9400 | .84 | 263 | 3.1900 | -.02 | 098 | 2.4950 | -.54 | 028 | 2.5200 | .58 | -- | Method 004.00 | -- |
| 074 | 2.8350 | .57 | 098 | 3.1850 | -.06 | 607 | 2.4328 | -.57 | Avg | 2.4204 | | 647 | 9.7850 R | 1.56 |
| 229 | 2.7600 | .29 | 226 | 3.0500 | -.26 | 089 | 2.3950 | -.75 | 668 | 2.3950 | -.17 | 511 | 9.6500 | 1.29 |
| 552 | 2.7180 | .23 | 029 | 2.9350 | -.48 | 119 | 2.3950 | -.76 | 553 | 2.3000 | -.68 | 226 | 9.6500 | 1.29 |
| 689 | 2.7000 | .10 | 508 | 2.9661 | -.48 | 242 | 2.3400 | -1.05 | 011 | 2.2350 | -1.06 | 345 | 9.5750 | 1.16 |
| Avg | 2.6660 | | 673 | 2.9000 | -.50 | 160 | 2.3150 | -1.17 | 660 | 2.2400 | -1.11 | 510 | 9.5500 | 1.14 |
| 354 | 2.6550 | -.04 | 038 | 2.8650 | -.56 | 727 | 2.3150 | -1.18 | -- | Method 003.14 | -- | 509 | 9.5650 | 1.14 |
| 511 | 2.6500 | -.05 | 001 | 2.8650 | -.60 | 298 | 2.2900 | -1.27 | -- | Method 003.14 | -- | 208 | 9.5200 | 1.07 |
| 199 | 2.6200 | -1.14 | 013 | 2.7600 | -.76 | 202 | 2.2900 | -1.27 | 413 | 5.2500 S | 9.14 | 337 | 9.4700 | .99 |
| 148 | 2.6100 | -1.17 | 638 | 2.7000 | -.84 | 363 | 2.2700 | -1.37 | 843 | 3.9800 A | 4.66 | 164 | 9.4500 | .96 |
| 567 | 2.5650 | -.34 | 027 | 2.6950 | -.84 | 366 | 2.4000 R | -1.65 | 581 | 3.2400 | 2.05 | 353 | 9.3000 R | .92 |
| 682 | 2.5400 | -.39 | 633 | 2.6566 | -.91 | 591 | 1.7950 A | -3.71 | 108 | 3.0650 | 1.44 | 855 | 9.3950 | .89 |
| 731 | 2.5400 | -.40 | 554 | 2.6050 | -.99 | 609 | 1.7300 S | -4.05 | 278 | 2.8000 | .47 | 265 | 9.3750 | .86 |
| 669 | 2.5700 | -.40 | 674 | 2.6150 | -1.00 | 720 | 1.0700 S | -7.37 | 529 | 2.7550 | .33 | 563 | 9.3561 | .82 |
| 009 | 2.4800 | -.57 | 675 | 2.5350 | -1.11 | -- | Method 003.11 | -- | 019 | 2.6750 | .27 | 009 | 8.8850 R | .46 |
| 647 | 2.4500 | -.74 | 121 | 2.2950 | -1.53 | 665 | 3.5050 S | 4.24 | 021 | 2.6900 | .16 | 175 | 8.9800 | .25 |
| 305 | 2.4000 | -.83 | -- | Method 003.10 | -- | 032 | 2.8900 X | 2.20 | 185 | 2.6850 | .06 | Avg | 8.8283 | |
| 169 | 2.3100 | -1.09 | 679 | 3.2200 | 3.32 | 724 | 2.4250 | .67 | Avg | 2.6675 | | 199 | 8.8000 | -.05 |
| 294 | 2.3050 | -1.11 | 051 | 2.5900 R | 1.49 | 672 | 2.3300 | .34 | 144 | 2.6550 | -.07 | 298 | 8.7200 | -.17 |
| 574 | 2.4450 R | -1.36 | 651 | 2.8435 | 1.46 | 727 | 2.3212 | .31 | 686 | 2.5950 | -.26 | 169 | 8.6950 | -.21 |
| 122 | 2.2200 | -1.37 | 676 | 2.7415 | .96 | 731 | 2.3150 | .31 | 175 | 2.5450 | -.43 | 726 | 8.6301 | -.31 |
| 297 | 2.1950 | -1.45 | 598 | 2.7200 | .85 | Avg | 2.2283 | | 049 | 2.4900 | -.65 | 015 | 8.6250 | -.32 |
| 003 | 2.2850 R | -1.48 | 520 | 2.6450 | .82 | 631 | 2.1800 | -.19 | 407 | 2.3850 | -1.00 | 048 | 8.7100 | -.40 |
| 185 | 2.1750 R | -1.68 | 623 | 2.6749 | .74 | 688 | 2.1500 | -.31 | 853 | 2.2650 R | -1.74 | 309 | 8.5900 | -.51 |
| | | | | | | | | | 550 | 2.0975 | -2.03 | 194 | 8.4950 | -.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 | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|
| -- | Method 004.00 | -- | -- | Method 004.06 | -- | -- | Method 004.07 | -- | -- | Method 004.99 | -- | -- | Method 005.00 | -- |
| 190 | 8.4650 | -.57 | 653 | 8.4950 | -.28 | 019 | 10.175 | .38 | 613 | 9.4750 | 1.20 | 034 | 21.665 | .72 |
| 354 | 8.4400 | -.60 | 656 | 8.6150 | -.30 | 003 | 9.9350 | .37 | Avg | 8.3783 | | 856 | 21.760 | .72 |
| 504 | 8.2600 | -.90 | 675 | 8.5250 | -.40 | 028 | 10.100 | .32 | 629 | 8.2000 | -.22 | 305 | 21.760 | .72 |
| 596 | 8.1500 | -1.05 | 178 | 8.3500 | -.49 | 021 | 9.7000 | .23 | 724 | 7.4600 | -1.00 | 620 | 21.760 | .72 |
| 171 | 8.0250 | -1.25 | 620 | 8.3384 | -.50 | 708 | 9.7550 | .07 | | | | 689 | 21.750 | .71 |
| 039 | 7.9770 | -1.32 | 098 | 8.3800 | -.51 | Avg | 9.6687 | | -- | Method 005.00 | -- | 669 | 21.715 | .70 |
| 034 | 7.6450 | -1.83 | 673 | 8.3000 | -.57 | 229 | 9.4800 | -.14 | 729 | 41.650 s | 20.61 | 407 | 21.735 | .69 |
| 132 | 7.4300 | -2.17 | 590 | 8.3900 | -.58 | 026 | 9.4150 | -.19 | 621 | 23.265 | 2.22 | 187 | 21.695 | .65 |
| -- | Method 004.01 | -- | 607 | 8.2406 | -.69 | 096 | 9.5500 | -.21 | 142 | 22.700 | 1.66 | 563 | 21.685 | .64 |
| 366 | 10.850 | .92 | 633 | 8.2217 | -.71 | 033 | 9.2400 | -.32 | 676 | 22.696 | 1.65 | 622 | 21.663 | .63 |
| Avg | 10.238 | | 205 | 8.1650 | -.82 | 294 | 9.0950 | -.43 | 307 | 22.500 R | 1.62 | 675 | 21.655 | .62 |
| 693 | 9.6250 | -.80 | 621 | 8.1500 | -.84 | 643 | 8.7950 | -.66 | 504 | 22.620 | 1.59 | 062 | 21.624 | .58 |
| -- | Method 004.03 | -- | 508 | 8.1685 | -.84 | 520 | 8.7700 | -.68 | 720 | 22.595 | 1.58 | 363 | 21.605 | .56 |
| 619 | 8.6400 | .79 | 848 | 8.1500 | -.84 | 567 | 8.7850 | -.68 | 345 | 22.460 | 1.42 | 638 | 21.600 | .56 |
| Avg | 8.3333 | | 591 | 8.1250 | -.88 | 121 | 8.7060 | -.74 | 413 | 22.450 | 1.41 | 731 | 21.585 | .56 |
| 679 | 8.2100 | -.25 | 688 | 8.1000 | -.94 | 307 | 8.4000 | -.96 | 726 | 22.310 | 1.27 | 278 | 21.590 | .55 |
| 045 | 8.1500 | -1.35 | 672 | 8.1500 | -.95 | 536 | 8.4200 R | -1.01 | 660 | 22.265 | 1.25 | 004 | 21.575 | .54 |
| -- | Method 004.06 | -- | 731 | 8.0300 | -1.07 | 074 | 8.1200 | -1.17 | 337 | 22.275 | 1.24 | 674 | 21.515 | .50 |
| 845 | 9.9550 | 2.40 | 849 | 8.0250 | -1.07 | 013 | 7.9900 | -1.26 | 132 | 22.255 | 1.23 | 229 | 21.510 | .49 |
| 609 | 9.8300 | 2.21 | 720 | 7.7650 R | -1.64 | 032 | 7.8750 | -1.35 | 588 | 22.200 | 1.16 | 590 | 21.500 | .48 |
| 552 | 9.4360 | 1.53 | 598 | 7.3550 | -2.26 | 413 | 7.8500 | -1.37 | 591 | 22.190 | 1.15 | 658 | 21.517 | .47 |
| 716 | 9.3750 | 1.41 | -- | Method 004.07 | -- | 505 | 7.8400 | -1.37 | 712 | 22.115 | 1.13 | 647 | 21.500 | .46 |
| 638 | 9.4000 | 1.41 | 089 | 14.975 S | 3.98 | 553 | 7.7550 | -1.44 | 185 | 22.150 | 1.11 | 646 | 21.490 | .45 |
| 354 | 9.3050 | 1.23 | 011 | 13.745 S | 3.06 | 646 | 7.7350 | -1.45 | 679 | 22.120 | 1.08 | 710 | 21.490 | .45 |
| 670 | 9.0450 | .77 | 035 | 13.660 S | 3.00 | -- | Method 004.11 | -- | 661 | 22.120 | 1.08 | 771 | 21.460 | .44 |
| 674 | 8.9600 | .63 | 554 | 12.250 | 1.94 | 567 | 13.600 s | 8.33 | 744 | 22.040 | 1.00 | 529 | 21.075 R | .43 |
| 512 | 8.9160 | .54 | 144 | 11.760 | 1.57 | 731 | 11.045 | 1.29 | 672 | 22.000 | .96 | 609 | 21.465 | .42 |
| 689 | 8.7500 | .51 | 682 | 11.500 | 1.37 | 665 | 10.910 | .90 | 629 | 21.970 | .93 | 645 | 21.150 | .37 |
| 710 | 8.8950 | .50 | 004 | 11.465 | 1.36 | 588 | 10.855 | .77 | 688 | 21.900 | .91 | 631 | 21.405 | .36 |
| 625 | 8.8850 | .48 | 100 | 11.345 | 1.26 | 724 | 10.690 | .26 | 350 | 21.941 | .90 | 038 | 21.355 | .34 |
| 588 | 8.8550 | .45 | 581 | 11.255 | 1.19 | 672 | 10.655 | .15 | 852 | 21.900 | .88 | 045 | 21.250 | .32 |
| 722 | 8.8241 | .37 | 242 | 11.240 | 1.19 | Avg | 10.600 | | 029 | 21.850 | .87 | 035 | 21.365 | .32 |
| 027 | 8.8200 | .37 | 407 | 10.995 | 1.00 | 631 | 10.575 | -.07 | 651 | 21.904 | .86 | 358 | 21.360 | .32 |
| 723 | 8.7250 | .20 | 529 | 10.770 | .83 | 727 | 10.581 | -.23 | 567 | 21.900 | .86 | 693 | 21.355 | .31 |
| Avg | 8.6177 | | 686 | 10.580 | .69 | 688 | 10.550 | -.44 | 152 | 21.855 | .81 | 098 | 21.235 | .31 |
| 350 | 8.6034 | -.10 | 631 | 10.340 R | .67 | 178 | 10.400 | -.55 | 855 | 21.850 | .81 | 171 | 21.350 | .31 |
| | | | 185 | 10.410 | .65 | 032 | 9.7350 X | -2.41 | 108 | 21.815 | .78 | 656 | 21.340 | .31 |
| | | | 278 | 10.100 | .39 | 011 | 7.1000 s | -9.72 | 722 | 21.790 | .75 | 226 | 21.100 | .31 |
| | | | | | | | | | 366 | 21.750 | .72 | 294 | 21.305 | .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 | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|
| -- | Method 005.00 | -- | -- | Method 005.00 | -- | -- | Method 005.03 | -- | -- | Method 008.02 | -- | -- | Method 008.08 | -- |
| 520 | 21.310 | .27 | 817 | 20.535 | -.52 | 738 | 18.335 | .71 | 226 | 14.600 | 1.48 | 278 | 10.850 R | -.63 |
| 782 | 21.200 | .27 | 026 | 20.465 | -.58 | | | | 179 | 14.155 | 1.13 | 164 | 10.550 | -.67 |
| 083 | 21.100 | .26 | 623 | 20.536 R | -.66 | -- | Method 005.11 | -- | 098 | 13.820 | .88 | 354 | 10.130 | -1.04 |
| 848 | 21.205 | .25 | 650 | 20.360 | -.70 | 688 | 24.600 S | 1.22 | 148 | 13.760 | .83 | 686 | 9.5000 | -1.58 |
| 242 | 21.285 | .24 | 089 | 20.340 | -.70 | 631 | 24.055 | .93 | 038 | 13.485 | .62 | 160 | 8.5550 | -2.40 |
| 803 | 21.240 | .23 | 205 | 20.430 | -.71 | 588 | 23.135 | .51 | 504 | 13.410 | .57 | | | |
| 643 | 21.270 | .23 | 027 | 20.325 | -.72 | 672 | 23.100 | .43 | 309 | 13.295 | .48 | -- | Method 008.99 | -- |
| 845 | 21.270 | .23 | 015 | 20.320 | -.73 | 724 | 22.965 | .41 | 353 | 12.805 | .19 | 297 | 13.590 | 1.21 |
| 505 | 21.240 | .21 | 682 | 20.260 | -.78 | Avg | 21.939 | | Avg | 12.661 | | 307 | 13.300 | .89 |
| 653 | 21.225 | .18 | 175 | 20.250 | -.80 | 727 | 20.351 | -1.00 | 675 | 12.180 | -.37 | 613 | 12.950 | .58 |
| 353 | 21.175 | .16 | 309 | 20.245 | -.80 | 731 | 20.370 | -1.08 | 083 | 11.750 | -.70 | Avg | 12.543 | |
| 753 | 21.165 | .15 | 033 | 20.185 | -.86 | 178 | 19.600 | -1.54 | 045 | 11.400 | -.96 | 646 | 12.330 | -.25 |
| 819 | 21.090 | .11 | 779 | 20.070 | -.99 | 665 | 11.380 s | -5.65 | 726 | 11.345 | -1.00 | 656 | 11.830 | -.83 |
| 048 | 21.135 | .09 | 049 | 20.115 | -.99 | | | | 619 | 11.100 | -1.18 | 358 | 11.260 | -1.47 |
| 354 | 21.100 | .06 | 138 | 19.975 | -1.07 | -- | Method 005.99 | -- | 590 | 10.150 | -1.91 | | | |
| 849 | 21.065 | .03 | 853 | 19.950 | -1.10 | 724 | 22.745 | 1.47 | | | | -- | Method 009.04 | -- |
| 633 | 21.049 | .01 | 265 | 19.975 | -1.11 | 727 | 22.375 | 1.12 | -- | Method 008.05 | -- | 504 | 26.885 | 1.05 |
| Avg | 21.045 | | 164 | 19.910 | -1.14 | 716 | 21.900 | .71 | -- | 14.400 | .71 | Avg | 25.997 | |
| 686 | 21.000 | -.05 | 297 | 19.800 | -1.25 | 536 | 21.690 | .49 | 265 | | | 726 | 25.109 | -.64 |
| 202 | 20.945 | -.10 | 021 | 19.750 | -1.30 | 673 | 21.650 | .41 | -- | Method 008.08 | -- | | | |
| 357 | 20.950 | -.11 | 194 | 19.705 | -1.34 | 652 | 21.600 | .41 | 510 | 14.200 | 2.50 | -- | Method 009.07 | -- |
| 596 | 20.950 | -.11 | 178 | 20.300 R | -1.41 | 574 | 21.565 | .36 | 001 | 12.625 | 1.13 | 226 | 25.250 | 1.31 |
| 783 | 20.955 | -.12 | 539 | 19.560 | -1.49 | 096 | 21.400 | .33 | 049 | 12.525 | 1.06 | 083 | 24.750 | .97 |
| 144 | 20.910 | -.16 | 670 | 19.475 | -1.58 | 208 | 21.450 | .22 | 033 | 12.400 | .93 | 045 | 24.600 | .86 |
| 065 | 20.850 | -.20 | 607 | 19.390 | -1.66 | Avg | 21.226 | | 026 | 12.205 | .76 | 179 | 24.573 | .85 |
| 510 | 20.780 | -.26 | 019 | 19.350 R | -1.75 | 668 | 21.155 | -.09 | 674 | 11.960 | .56 | 307 | 24.050 | .49 |
| 148 | 20.795 | -.27 | 179 | 19.243 | -1.80 | 546 | 20.935 | -.41 | 004 | 11.745 | .37 | 297 | 23.690 | .26 |
| 736 | 20.815 | -.29 | 550 | 19.200 | -1.85 | 613 | 20.120 | -1.07 | 669 | 11.580 | .29 | Avg | 23.318 | |
| 199 | 20.730 | -.32 | 119 | 19.180 | -1.87 | 122 | 19.705 | -1.47 | 037 | 11.615 | .25 | 353 | 22.570 | -.83 |
| 723 | 20.720 | -.33 | 615 | 18.925 | -2.13 | 826 | 18.870 | -2.29 | 106 | 11.540 | .19 | 309 | 22.410 | -.88 |
| 625 | 20.685 | -.37 | 160 | 18.880 | -2.17 | | | | Avg | 11.323 | | 656 | 22.055 | -.90 |
| 619 | 20.700 | -.40 | 598 | 18.805 | -2.24 | -- | Method 006.05 | -- | 693 | 11.315 | -.03 | 098 | 21.405 | -1.30 |
| 121 | 20.663 | -.42 | 616 | 18.825 | -2.24 | 710 | 2.0500 | .71 | 581 | 11.200 | -.16 | 590 | 21.150 | -1.46 |
| 630 | 20.740 | -.43 | 051 | 18.695 | -2.35 | | | | 202 | 11.140 | -.16 | | | |
| 298 | 20.610 | -.43 | 139 | 18.615 | -2.43 | -- | Method 006.99 | -- | 413 | 11.050 | -.27 | -- | Method 009.09 | -- |
| 763 | 20.610 | -.44 | 809 | 18.615 | -2.43 | 856 | 2.3500 | .71 | 653 | 10.940 | -.35 | 674 | 23.570 | 1.94 |
| 552 | 20.623 | -.44 | 417 | 18.555 | -2.50 | | | | 294 | 10.830 | -.43 | 265 | 22.800 R | 1.59 |
| 541 | 20.590 | -.47 | 169 | 18.445 | -2.60 | | | | 185 | 10.760 | -.49 | 160 | 22.810 | 1.26 |
| 100 | 20.535 | -.52 | | | | | | | 357 | 10.750 | -.54 | 037 | 22.650 | 1.12 |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|--------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|
| -- | Method 009.09 | -- | -- | Method 010.11 | -- | -- | Method 011.01 | -- | -- | Method 011.01 | -- | -- | Method 011.99 | -- |
| 669 | 22.140 | .87 | 724 | 6.9400 | -0.51 | 646 | 12.145 | 1.05 | 208 | 11.100 | -0.11 | 857 | 9.7000 | 1.06 |
| 653 | 22.240 | .81 | 178 | 6.9500 | -0.56 | 171 | 11.980 | .88 | 350 | 10.969 | -0.17 | Avg | 9.5775 | |
| 164 | 22.200 | .71 | 688 | 6.8500 | -0.68 | 736 | 11.955 | .86 | 202 | 10.975 | -0.18 | 265 | 9.4550 | -0.61 |
| 357 | 22.150 | .68 | 631 | 6.7050 | -0.97 | 121 | 11.927 | .82 | 651 | 11.001 | -0.20 | 727 | 7.6100 S | -8.99 |
| 510 | 21.950 | .50 | | | | 682 | 11.880 | .77 | 194 | 10.920 | -0.22 | | | |
| 413 | 21.800 | .36 | -- | Method 010.99 | -- | 779 | 11.870 | .77 | 622 | 10.910 | -0.23 | -- | Method 012.00 | -- |
| 294 | 21.445 | .12 | 847 | 89.455 S | 96.38 | 179 | 11.860 | .76 | 033 | 10.865 | -0.28 | 613 | 10.940 S | 9.44 |
| Avg | 21.409 | | 668 | 12.545 S | 4.97 | 205 | 11.745 R | .74 | 098 | 10.960 | -0.29 | 354 | 6.8000 | 2.08 |
| 185 | 21.075 | -0.34 | 621 | 10.825 | 2.93 | 643 | 11.800 | .72 | 623 | 10.856 | -0.33 | Avg | 5.6242 | |
| 049 | 20.880 | -0.48 | 417 | 9.4750 R | 1.59 | 670 | 11.820 | .71 | 298 | 10.770 | -0.37 | 689 | 5.6000 | -0.18 |
| 581 | 20.860 | -0.51 | 724 | 8.9850 R | .93 | 563 | 11.755 | .65 | 026 | 10.755 | -0.39 | 567 | 5.4150 | -0.37 |
| 693 | 20.670 | -0.66 | 673 | 9.0000 | .76 | 574 | 11.650 R | .62 | 119 | 10.730 | -0.42 | 178 | 5.4000 | -0.40 |
| 202 | 20.665 | -0.73 | 652 | 8.6500 | .54 | 062 | 11.611 | .55 | 645 | 10.700 | -0.46 | 638 | 5.3300 | -0.52 |
| 354 | 20.340 | -0.97 | 726 | 8.7932 | .51 | 164 | 11.660 | .55 | 226 | 10.550 | -0.60 | 672 | 5.2000 | -0.77 |
| 106 | 20.145 | -1.13 | 037 | 8.4200 | .08 | 520 | 11.615 | .54 | 132 | 10.495 | -0.66 | 673 | 3.0000 S | -4.66 |
| 686 | 19.740 | -1.50 | Avg | 8.3602 | | 144 | 11.605 | .53 | 763 | 10.450 | -0.71 | | | |
| 278 | 19.450 | -1.76 | 035 | 8.2100 | -0.18 | 051 | 11.605 | .50 | 160 | 10.410 | -0.75 | -- | Method 012.01 | -- |
| | | | 853 | 8.2900 | -0.20 | 233 | 11.605 | .49 | 620 | 10.415 | -0.76 | 686 | 5.8000 | .85 |
| -- | Method 009.99 | -- | 529 | 8.1950 | -0.25 | 596 | 11.600 | .48 | 591 | 10.415 | -0.78 | Avg | 5.4625 | |
| 613 | 25.255 | 1.58 | 716 | 8.1000 | -0.31 | 122 | 11.565 | .47 | 552 | 10.354 | -0.81 | 185 | 5.1250 | -0.88 |
| Avg | 22.748 | | 613 | 8.0500 | -0.37 | 625 | 11.580 | .47 | 658 | 10.317 | -0.85 | | | |
| 619 | 22.200 | -0.34 | 337 | 7.9450 | -0.49 | 817 | 11.515 | .40 | 354 | 10.295 | -0.87 | -- | Method 012.03 | -- |
| 646 | 22.105 | -0.42 | 852 | 7.8000 | -0.68 | 823 | 11.500 | .38 | 723 | 10.290 | -0.87 | 297 | 5.6450 | .86 |
| 643 | 21.430 | -0.83 | 712 | 7.4150 | -1.12 | 138 | 11.475 | .36 | 722 | 10.278 | -0.89 | Avg | 5.3600 | |
| | | | 168 | 7.3500 | -1.20 | 782 | 11.465 | .35 | 650 | 10.260 | -0.91 | 098 | 5.0750 | -0.87 |
| -- | Method 010.03 | -- | | | | 753 | 11.455 | .34 | 674 | 10.105 | -1.07 | | | |
| 843 | 7.4550 | .93 | -- | Method 011.01 | -- | 148 | 11.455 | .33 | 021 | 9.9150 | -1.26 | -- | Method 012.04 | -- |
| 027 | 7.4100 | .84 | 108 | 13.290 | 2.24 | 744 | 11.410 | .29 | 175 | 9.9000 | -1.28 | 106 | 7.0500 | 1.98 |
| Avg | 6.9350 | | 647 | 13.260 | 2.21 | 358 | 11.320 | .20 | 598 | 9.8750 | -1.32 | Avg | 5.1475 | |
| 826 | 6.6800 | -0.46 | 185 | 12.805 | 1.73 | 034 | 11.310 | .19 | 407 | 9.7200 | -1.47 | 353 | 5.1050 | -0.06 |
| 546 | 6.1950 | -1.31 | 809 | 12.730 R | 1.69 | 633 | 11.302 | .18 | 152 | 9.6500 | -1.54 | 160 | 5.0250 | -0.14 |
| | | | 510 | 12.700 | 1.64 | 803 | 11.250 | .14 | 229 | 9.6350 | -1.55 | 038 | 4.9550 | -0.20 |
| -- | Method 010.11 | -- | 242 | 12.685 | 1.61 | 848 | 11.250 | .13 | 710 | 9.5300 | -1.66 | 278 | 4.7000 | -0.47 |
| 567 | 75.750 S | 135.36 | 305 | 12.600 | 1.53 | 511 | 11.235 | .12 | 660 | 9.4650 | -1.74 | 510 | 4.0500 | -1.14 |
| 727 | 8.1584 | 1.91 | 309 | 12.540 | 1.46 | 100 | 11.210 | .08 | 294 | 9.0600 | -2.15 | -- | Method 012.99 | -- |
| 731 | 7.8350 | 1.27 | 738 | 12.425 | 1.34 | Avg | 11.132 | | 363 | 8.7400 | -2.48 | 619 | 15.200 S | .00 |
| Avg | 7.1923 | | 789 | 12.310 | 1.22 | 771 | 11.080 | -0.07 | 843 | 8.6100 | -2.61 | | | |
| 672 | 7.1600 | -0.10 | 541 | 12.260 | 1.18 | 855 | 11.050 | -0.09 | 819 | 7.9000 S | -3.35 | | | |
| 588 | 6.9400 | -0.50 | 675 | 12.195 | 1.10 | 539 | 11.030 | -0.11 | | | | | | |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|--------|
| -- | Method 013.02 | -- | -- | Method 013.10 | -- | -- | Method 017.00 | -- | -- | Method 019.00 | -- | -- | Method 019.01 | -- |
| 803 | 4.4050 R | 2.04 | 062 | 3.3650 | -0.33 | 560 | 14.150 | 1.50 | 849 | 5.3400 | -0.35 | 152 | 5.4000 | -0.05 |
| 065 | 4.3500 | 1.76 | 096 | 3.2550 | -0.53 | 294 | 13.900 | 1.25 | 621 | 5.3200 | -0.39 | 563 | 5.3900 | -0.09 |
| 033 | 4.2800 | 1.61 | 716 | 3.2450 | -0.59 | 353 | 13.060 | 0.72 | 194 | 5.2750 | -0.60 | 354 | 5.3550 | -0.22 |
| 645 | 4.1500 R | 1.56 | 673 | 3.1000 | -0.94 | 510 | 12.300 | 0.26 | 633 | 5.1699 | -1.09 | 098 | 5.3600 | -0.23 |
| 736 | 4.0950 | 1.04 | 845 | 3.0700 | -1.07 | Avg | 12.193 | | 625 | 5.1400 | -1.22 | 675 | 5.3400 | -0.28 |
| 643 | 4.0600 | 0.96 | 653 | 2.8100 | -1.74 | 345 | 12.005 | -0.14 | 647 | 4.9500 | -2.11 | 588 | 5.3350 | -0.29 |
| 809 | 4.0500 | 0.93 | -- | Method 013.11 | -- | 049 | 12.190 | -0.16 | -- | Method 019.01 | -- | 035 | 5.2900 | -0.46 |
| 164 | 3.9750 | 0.70 | 417 | 6.4100 S | 0.00 | 045 | 11.000 | -0.87 | 536 | 8.4500 s | 11.34 | 026 | 5.2800 | -0.49 |
| 229 | 3.9600 | 0.67 | 693 | 11.100 | -0.91 | 693 | 11.100 | -0.91 | 018 | 5.9450 R | 2.14 | 039 | 5.2800 | -0.50 |
| 171 | 3.8650 | 0.39 | 358 | 10.035 | -1.58 | 358 | 10.035 | -1.58 | 674 | 5.9850 | 2.12 | 169 | 5.2650 | -0.59 |
| 354 | 3.7450 | 0.33 | -- | Method 013.13 | -- | 021 | 4.4000 s | -5.81 | 529 | 5.9050 | 1.82 | 505 | 5.2400 | -0.68 |
| 763 | 3.7850 | 0.29 | 581 | 3.8300 | 0.71 | -- | Method 017.99 | -- | 720 | 5.8500 | 1.63 | 139 | 5.1800 | -0.88 |
| 100 | 3.8000 | 0.26 | -- | Method 013.99 | -- | 307 | 19.300 S | 0.00 | 305 | 5.8000 | 1.44 | 731 | 5.1800 | -0.89 |
| 753 | 3.7350 | 0.16 | 689 | 3.7000 | 0.80 | 609 | 5.8000 | 1.43 | 609 | 5.8000 | 1.43 | 122 | 5.1750 | -0.90 |
| 744 | 3.7650 | 0.14 | Avg | 3.7320 | | -- | Method 018.01 | -- | 034 | 5.7500 | 1.25 | 646 | 5.1750 | -0.90 |
| 771 | 3.6750 | -0.16 | 613 | 2.7550 | -0.93 | 716 | 0.2500 | 0.87 | 350 | 5.7468 | 1.25 | 591 | 5.1600 | -0.94 |
| 650 | 3.6600 | -0.21 | -- | Method 015.00 | -- | Avg | 0.1250 | | 010 | 5.7450 | 1.23 | 650 | 5.1700 | -0.95 |
| 675 | 3.6100 | -0.35 | 616 | 2865.0 | 1.90 | 619 | 0.0000 | -0.87 | 205 | 5.6600 | 1.02 | 638 | 5.0800 | -1.23 |
| 779 | 3.6100 | -0.45 | 520 | 2062.0 | 0.83 | -- | Method 018.02 | -- | 178 | 5.5900 R | 0.96 | 142 | 5.0500 | -1.36 |
| 823 | 3.6000 | -0.47 | 049 | 1867.8 | 0.57 | 154 | 0.3100 | 1.29 | 001 | 5.6050 | 0.76 | 669 | 5.0680 | -1.37 |
| 026 | 3.4750 | -0.74 | 164 | 1867.0 | 0.56 | Avg | 0.2648 | | 619 | 5.5600 | 0.73 | 653 | 4.9645 | -1.68 |
| 208 | 3.3800 | -1.00 | 011 | 1789.1 | 0.46 | 011 | 0.2445 | -0.59 | 670 | 5.4650 | 0.64 | 710 | 4.9100 | -1.87 |
| 817 | 3.3550 | -1.10 | 154 | 1532.0 | 0.12 | 567 | 0.2400 | -0.69 | 504 | 5.5715 | 0.63 | 108 | 4.9200 R | -2.14 |
| 616 | 3.1700 | -1.60 | Avg | 1448.6 | | -- | Method 019.00 | -- | 263 | 5.5816 | 0.62 | 019 | 4.7450 R | -2.57 |
| 337 | 2.8350 | -2.56 | 510 | 1414.0 | -0.05 | 552 | 5.8545 | 2.10 | 065 | 5.5550 | 0.53 | 278 | 4.6950 | -2.66 |
| -- | Method 013.10 | -- | 560 | 1265.0 R | -0.50 | -- | Method 019.00 | -- | 233 | 5.5300 | 0.49 | 856 | 0.5965 s | -17.86 |
| 185 | 5.1100 s | 4.56 | 345 | 1034.9 | -0.56 | 043 | 5.6500 | 1.16 | 013 | 5.5250 | 0.42 | -- | Method 019.03 | -- |
| 177 | 4.2700 | 2.25 | 021 | 725.00 | -0.97 | 679 | 5.5750 | 0.80 | 631 | 5.4900 | 0.41 | 686 | 6.5000 S | 4.99 |
| 656 | 3.7850 | 1.03 | 353 | 417.90 | -1.39 | 716 | 5.5500 | 0.72 | 508 | 5.4287 | 0.39 | 307 | 5.7650 | 1.31 |
| 353 | 3.5700 R | 0.99 | 169 | 360.00 | -1.46 | 651 | 5.5190 | 0.58 | 208 | 5.5100 | 0.36 | 026 | 5.5700 | 0.18 |
| 160 | 3.7250 | 0.77 | -- | Method 016.00 | -- | 689 | 5.4700 R | 0.56 | 038 | 5.4950 | 0.35 | Avg | 5.5425 | |
| 660 | 3.6800 | 0.76 | 567 | 0.5700 | 0.87 | 623 | 5.5162 | 0.55 | 014 | 5.4830 | 0.29 | 043 | 5.5200 | -0.59 |
| 652 | 3.6000 | 0.50 | Avg | 0.4293 | | 622 | 5.4574 | 0.29 | 612 | 5.4900 | 0.29 | 048 | 5.3150 | -1.19 |
| 539 | 3.5350 | 0.25 | 619 | 0.2885 | -0.87 | 658 | 5.4315 | 0.13 | 363 | 5.4550 | 0.16 | -- | Method 019.05 | -- |
| 672 | 3.4500 | 0.14 | -- | Method 013.13 | -- | 619 | 5.4039 | 0.13 | 656 | 5.4400 | 0.15 | 358 | 6.5450 s | 4.54 |
| Avg | 3.4457 | | 619 | 0.2885 | -0.87 | Avg | 5.4039 | 0.13 | 722 | 5.4502 | 0.14 | 265 | 6.2750 A | 3.36 |
| 688 | 3.3500 | -0.29 | 175 | 5.3600 | -0.22 | 175 | 5.3600 | -0.22 | 307 | 5.4350 | 0.08 | 294 | 5.8200 | 1.66 |
| | | | 620 | 5.3539 | -0.23 | 620 | 5.3539 | -0.23 | Avg | 5.4131 | | | | |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|
| -- | Method 019.05 | -- | -- | Method 019.08 | -- | -- | Method 019.99 | -- | -- | Method 021.02 | -- | -- | Method 022.01 | -- |
| 029 | 5.5060 R | 1.46 | 673 | 5.7000 | 1.73 | 692 | 6.4850 S | 2.95 | 106 | 14.500 S | 4.76 | 674 | 186.17 | .23 |
| 049 | 5.6800 | 1.33 | 723 | 5.5055 | .49 | 852 | 5.8500 | 1.53 | 510 | 14.490 S | 4.75 | Avg | 184.47 | |
| 510 | 5.7050 | 1.25 | 607 | 5.4448 | .23 | 121 | 5.6490 | 1.04 | 021 | 11.000 | 1.30 | 653 | 184.22 | -.09 |
| 185 | 5.6850 | 1.18 | Avg | 5.4300 | | Avg | 5.1923 | | 572 | 10.690 | 1.21 | 035 | 181.00 | -.32 |
| 413 | 5.6750 | 1.15 | 729 | 5.3700 | -.46 | 629 | 5.1100 | -.19 | 560 | 10.075 R | 1.08 | 669 | 179.46 | -.49 |
| 297 | 5.6050 | .89 | 138 | 5.3100 | -.81 | 613 | 4.9600 | -.53 | 154 | 10.350 | .79 | 731 | 179.00 | -.51 |
| 164 | 5.5950 | .87 | 590 | 5.2500 | -1.16 | 724 | 4.8400 | -.84 | 038 | 10.200 | .64 | 278 | 178.45 | -.56 |
| 512 | 5.5795 | .80 | -- | Method 019.09 | -- | 588 | 4.7450 | -1.02 | 504 | 10.295 | .60 | 656 | 178.44 | -.57 |
| 026 | 5.5600 | .76 | 572 | 6.1450 S | 2.56 | 665 | 2.5100 S | -6.10 | 029 | 10.150 | .50 | 354 | 177.80 | -.62 |
| 298 | 5.5400 | .66 | 045 | 5.9900 | 1.85 | -- | Method 020.00 | -- | 011 | 10.133 | .43 | 588 | 176.00 | -.79 |
| 226 | 5.4000 | .53 | 047 | 5.9850 | 1.68 | 164 | 16.250 | .79 | 616 | 9.7550 | .06 | 178 | 176.00 | -.87 |
| 004 | 5.5030 | .52 | 567 | 5.7000 R | 1.29 | Avg | 15.729 | | Avg | 9.6964 | | 350 | 174.00 | -.97 |
| 083 | 5.4200 | .24 | 366 | 5.8500 | 1.23 | 722 | 15.208 | -.94 | 366 | 9.6000 | -.22 | 305 | 173.27 | -1.04 |
| 148 | 5.4150 | .21 | 190 | 5.8050 | 1.08 | -- | Method 020.01 | -- | 171 | 9.1500 | -.56 | 591 | 170.10 | -1.34 |
| 074 | 5.4050 | .18 | 199 | 5.8025 | 1.04 | -- | Method 020.01 | -- | 567 | 9.0250 | -.67 | 307 | 167.50 | -1.62 |
| 011 | 5.3884 | .12 | 160 | 5.7644 | .90 | 154 | 13.400 | 1.14 | 693 | 8.7500 R | -1.40 | 710 | 164.50 | -1.85 |
| 100 | 5.3850 | .11 | 309 | 5.7350 | .80 | 096 | 12.500 | .80 | 169 | 7.9550 | -1.74 | 175 | 163.50 | -1.96 |
| Avg | 5.3575 | | 560 | 5.6750 | .68 | 021 | 11.950 | .61 | 629 | 7.7500 | -1.93 | 720 | 139.95 S | -4.12 |
| 407 | 5.3500 | -.03 | 202 | 5.6650 | .57 | 567 | 11.150 | .23 | -- | Method 021.99 | -- | -- | Method 022.03 | -- |
| 171 | 5.3350 | -.10 | 154 | 5.5666 | .27 | Avg | 10.591 | | 607 | 10.533 | .71 | 208 | 210.00 | 2.22 |
| 187 | 5.3200 | -.14 | 017 | 5.5650 | .25 | 011 | 10.128 | -.19 | -- | Method 022.01 | -- | 164 | 203.50 | 1.66 |
| 229 | 5.3200 | -.15 | Avg | 5.5101 | | 171 | 9.2500 | -.54 | -- | Method 022.01 | -- | 265 | 202.50 | 1.58 |
| 144 | 5.3000 | -.23 | 037 | 5.4550 | -.20 | 560 | 8.9900 R | -1.07 | 529 | 203.40 | 1.75 | 185 | 194.50 | .87 |
| 520 | 5.3000 | -.41 | 035 | 5.4200 | -.32 | 510 | 5.7600 | -1.95 | 013 | 201.00 | 1.54 | 407 | 193.50 | .84 |
| 553 | 5.3250 | -.64 | 106 | 5.5050 | -.34 | -- | Method 020.99 | -- | 638 | 198.00 | 1.25 | 100 | 192.50 | .76 |
| 598 | 5.1550 | -.74 | 186 | 5.4150 | -.34 | 616 | 12.300 | .00 | 689 | 197.25 | 1.23 | 004 | 193.00 | .76 |
| 003 | 5.1500 | -.79 | 726 | 5.3850 | -.45 | -- | Method 021.01 | -- | 563 | 196.35 | 1.10 | 074 | 190.00 | .71 |
| 550 | 5.1080 | -.90 | 027 | 5.5000 | -.46 | -- | Method 021.01 | -- | 504 | 196.00 | 1.08 | 297 | 192.00 | .68 |
| 089 | 5.0400 | -1.14 | 693 | 5.3840 | -.49 | 675 | 16.810 | 1.19 | 505 | 195.00 | .99 | 512 | 188.00 | .58 |
| 242 | 5.0250 | -1.20 | 038 | 5.3550 | -.55 | 722 | 16.681 | 1.16 | 619 | 192.50 | .78 | 226 | 187.50 | .47 |
| 661 | 4.9600 | -1.43 | 021 | 5.3750 | -.63 | 722 | 16.681 | 1.16 | 716 | 192.00 | .75 | 520 | 189.50 | .44 |
| 645 | 5.3000 R | -1.45 | 028 | 5.3000 | -.74 | 619 | 11.950 | .01 | 098 | 192.00 | .74 | 083 | 185.50 | .40 |
| 682 | 4.7400 | -2.22 | 016 | 5.2850 | -.81 | Avg | 11.938 | | 014 | 191.00 | .61 | 229 | 186.00 | .22 |
| 208 | 4.6500 | -2.54 | 096 | 5.3000 | -1.03 | 689 | 11.050 | -.22 | 722 | 189.68 | .51 | 171 | 185.50 | .16 |
| 051 | 4.6650 R | -2.61 | 345 | 5.2000 | -1.10 | 164 | 9.4500 | -.61 | 590 | 188.25 | .49 | 011 | 185.34 | .15 |
| | | | 357 | 5.1900 | -1.15 | 208 | 5.6850 | -1.53 | 038 | 188.00 | .38 | Avg | 184.51 | |
| | | | 848 | 5.0100 R | -2.01 | -- | Method 020.01 | -- | 208 | 187.50 | .28 | 629 | 184.50 | -.13 |
| | | | 353 | 4.7900 | -2.57 | 675 | 185.63 | .25 | 675 | 185.63 | .25 | 003 | 182.00 | -.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 022.03 | -- | -- | Method 022.05 | -- | -- | Method 025.01 | -- | -- | Method 025.03 | -- | -- | Method 026.00 | -- |
| 598 | 182.50 | -0.35 | 032 | 178.50 R | -1.11 | 710 | 884.00 | -0.47 | 226 | 824.00 | -1.33 | 154 | 1.0450 | 1.30 |
| 358 | 183.47 | -0.40 | 169 | 169.50 | -1.46 | 305 | 877.35 | -0.52 | 297 | 688.50 | -2.53 | 567 | 0.9200 | .13 |
| 187 | 173.67 | -0.95 | 309 | 168.20 | -1.55 | 646 | 812.60 | -1.02 | 168 | 668.00 | -2.71 | Avg | 0.9047 | |
| 242 | 173.00 | -1.00 | 353 | 161.35 | -2.00 | 591 | 809.85 | -1.05 | 187 | 449.12 s | -4.66 | 716 | 0.8600 | -0.94 |
| 026 | 173.00 | -1.01 | 154 | 160.50 | -2.06 | 504 | 884.00 R | -1.39 | -- | Method 025.05 | -- | 160 | 0.7936 | -0.96 |
| 550 | 172.43 | -1.05 | | | | 716 | 725.00 | -1.71 | -- | Method 025.05 | -- | -- | Method 026.99 | -- |
| 510 | 172.00 | -1.09 | -- | Method 022.99 | -- | 278 | 717.00 | -1.77 | 038 | 1130.0 | 2.51 | -- | Method 026.99 | -- |
| 148 | 170.60 | -1.21 | 692 | 227.15 | 1.30 | 505 | 680.00 | -2.05 | 037 | 1018.5 | 1.85 | 011 | 0.4050 | .87 |
| 553 | 170.50 | -1.22 | 607 | 197.98 | .09 | 674 | 674.02 | -2.10 | 106 | 845.00 | .86 | Avg | 0.2025 | |
| 029 | 170.70 | -1.28 | Avg | 195.95 | | 856 | 470.00 A | -3.68 | 199 | 836.10 | .82 | 619 | 0.0000 | -0.86 |
| 049 | 163.45 | -1.86 | 121 | 195.09 | -0.04 | -- | Method 025.03 | -- | 366 | 822.50 | .75 | -- | Method 027.01 | -- |
| 144 | 160.20 R | -2.30 | 846 | 163.60 | -1.34 | -- | Method 025.03 | -- | 154 | 804.50 | .63 | -- | Method 027.01 | -- |
| -- | Method 022.05 | -- | -- | Method 023.01 | -- | 208 | 1124.0 | 1.37 | 017 | 752.00 | .40 | 669 | 0.3860 | 1.78 |
| 294 | 241.34 s | 3.35 | 619 | 0.0050 | .00 | 265 | 1103.0 | 1.19 | 045 | 762.50 | .40 | 731 | 0.3760 | 1.30 |
| 560 | 220.00 | 1.94 | -- | | | 520 | 1089.5 | 1.10 | 021 | 751.50 | .32 | 350 | 0.3747 | 1.24 |
| 572 | 210.50 | 1.37 | -- | Method 025.01 | -- | 083 | 1072.0 | 1.00 | 560 | 706.00 | .28 | 305 | 0.3700 | 1.03 |
| 160 | 211.00 | 1.33 | 731 | 1145.0 | 1.56 | 358 | 994.62 R | .89 | 186 | 722.50 | .20 | 656 | 0.3700 | 1.03 |
| 038 | 207.00 | 1.06 | 563 | 1114.8 | 1.32 | 074 | 1066.5 | .87 | Avg | 695.97 | | 720 | 0.3650 | .84 |
| 096 | 195.00 R | 1.03 | 656 | 1114.3 | 1.32 | 407 | 1040.0 | .63 | 693 | 689.00 | -.07 | 065 | 0.3640 | .77 |
| 190 | 203.01 | .78 | 689 | 1094.6 | 1.17 | 029 | 1004.5 | .58 | 294 | 684.14 | -.07 | 504 | 0.3581 | .67 |
| 202 | 201.50 | .69 | 722 | 1080.1 | 1.05 | 164 | 1034.0 | .57 | 616 | 675.00 | -.14 | 038 | 0.3610 | .64 |
| 106 | 195.00 | .53 | 669 | 1045.2 | .79 | 148 | 1027.5 | .51 | 345 | 651.47 | -.26 | 609 | 0.3600 | .59 |
| 199 | 199.15 | .52 | 098 | 1023.0 | .61 | 512 | 1025.5 | .50 | 726 | 640.71 | -.32 | 675 | 0.3600 | .59 |
| 186 | 198.00 | .49 | 175 | 1013.0 | .53 | 171 | 1025.0 | .49 | 096 | 635.00 | -.38 | 208 | 0.3570 | .47 |
| 366 | 196.00 | .37 | 720 | 1007.9 | .52 | 553 | 998.00 | .45 | 567 | 647.00 | -.39 | 175 | 0.3500 | .47 |
| 021 | 195.00 | .25 | 032 | 1005.9 | .49 | 550 | 1017.0 | .43 | 413 | 596.50 | -.58 | 638 | 0.3550 | .43 |
| 413 | 195.00 | .25 | 670 | 998.50 | .45 | 026 | 1011.5 | .36 | 190 | 575.83 | -.69 | 505 | 0.3550 | .43 |
| 726 | 193.83 | .17 | 529 | 994.05 | .38 | 100 | 1008.5 | .34 | 169 | 528.00 | -.97 | 619 | 0.3505 | .41 |
| 693 | 192.40 | .10 | 350 | 987.75 | .37 | 004 | 1003.5 | .29 | 353 | 464.80 | -1.35 | 563 | 0.3556 | .39 |
| 567 | 192.30 | .10 | 619 | 991.00 | .37 | 049 | 982.28 | .16 | 160 | 447.20 | -1.43 | 014 | 0.3530 | .29 |
| 345 | 191.77 | .09 | 014 | 971.50 | .23 | 242 | 986.50 | .14 | 309 | 317.45 | -2.18 | 722 | 0.3521 | .25 |
| 045 | 192.00 | .08 | 208 | 967.00 | .18 | Avg | 970.75 | | -- | Method 025.99 | -- | Avg | 0.3468 | |
| Avg | 191.32 | | 038 | 959.00 | .12 | 629 | 967.50 | -.07 | -- | Method 025.99 | -- | 139 | 0.3454 | -.07 |
| 017 | 189.50 | -.32 | 675 | 947.00 | .03 | 229 | 961.00 | -.12 | 607 | 972.57 | .87 | 001 | 0.3430 | -.19 |
| 037 | 186.30 | -.37 | Avg | 944.47 | | 011 | 934.47 | -.32 | Avg | 815.29 | | 650 | 0.3422 | -.25 |
| 616 | 187.00 | -.55 | 307 | 941.50 | -.17 | 144 | 906.65 | -.58 | 692 | 658.00 | -.87 | 307 | 0.3400 | -.30 |
| 035 | 183.00 | -.56 | 638 | 921.00 | -.30 | 510 | 902.50 | -.61 | 098 | 0.3400 | -.30 | 098 | 0.3400 | -.30 |
| 357 | 175.50 | -1.07 | 354 | 887.70 | -.44 | 598 | 883.50 | -.78 | 529 | 0.3400 | -.30 | 529 | 0.3400 | -.30 |
| | | | | | | 003 | 826.00 | -1.32 | 263 | 0.3394 | -.34 | 263 | 0.3394 | -.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 027.01 | -- | -- | Method 027.03 | -- | -- | Method 027.99 | -- | -- | Method 028.03 | -- | -- | Method 028.05 | -- |
| 169 | 0.3250 | -0.99 | 144 | 0.3300 | -1.05 | 692 | 0.3750 | .78 | 003 | 433.00 R | 2.54 | 366 | 401.50 | .88 |
| 278 | 0.3250 | -0.99 | 242 | 0.3200 | -1.47 | 121 | 0.3636 | .51 | 208 | 424.50 | 2.11 | 572 | 380.00 | .86 |
| 035 | 0.3200 | -1.19 | 297 | 0.3100 | -1.89 | Avg | 0.3412 | | 550 | 416.88 | 1.88 | 693 | 398.50 | .75 |
| 588 | 0.3245 R | -1.47 | 051 | 0.3100 | -1.89 | 613 | 0.2850 | -1.28 | 265 | 402.00 | 1.31 | 017 | 396.50 | .69 |
| 142 | 0.3150 R | -1.56 | 629 | 0.2740 s | -3.39 | | | | 520 | 399.00 | 1.26 | 106 | 396.00 | .62 |
| 591 | 0.3115 | -1.59 | 553 | 0.0354 s | -13.35 | -- | Method 028.01 | -- | 510 | 402.00 | 1.26 | 154 | 388.50 | .59 |
| 658 | 0.3105 | -1.66 | | | | 038 | 409.50 | 1.62 | 407 | 388.00 | .74 | 202 | 389.00 | .59 |
| 646 | 0.2950 | -2.31 | -- | Method 027.05 | -- | 013 | 404.50 | 1.45 | 185 | 387.00 | .69 | 038 | 383.00 | .51 |
| 710 | 0.2950 | -2.31 | 037 | 0.3745 | 1.70 | 563 | 395.45 | 1.09 | 512 | 379.25 | .59 | 027 | 378.67 | .41 |
| -- | Method 027.03 | -- | 106 | 0.3680 | 1.42 | 208 | 394.00 | 1.04 | 100 | 383.00 | .55 | 357 | 376.00 | .34 |
| 003 | 0.4150 | 2.51 | 560 | 0.3595 | 1.09 | 098 | 388.50 | .92 | 148 | 381.00 | .47 | 726 | 385.61 | .30 |
| 208 | 0.4020 | 1.95 | 202 | 0.3600 | 1.08 | 504 | 390.00 | .89 | 168 | 375.50 | .38 | Avg | 375.91 | |
| 265 | 0.3900 | 1.45 | 199 | 0.3555 | .90 | 656 | 388.90 | .86 | 083 | 373.50 | .28 | 045 | 368.50 | -.34 |
| 407 | 0.3785 | .98 | 190 | 0.3550 | .90 | 350 | 386.50 | .76 | 164 | 371.00 | .12 | 567 | 365.20 | -.47 |
| 294 | 0.3750 | .85 | 726 | 0.3540 | .83 | 722 | 386.06 | .74 | Avg | 368.64 | | 353 | 366.80 | -.69 |
| 520 | 0.3700 | .62 | 345 | 0.3475 | .56 | 035 | 384.50 | .69 | 629 | 368.00 | -.08 | 021 | 350.00 | -.79 |
| 171 | 0.3660 | .48 | 160 | 0.3424 | .55 | 014 | 370.50 | .56 | 553 | 361.50 | -.27 | 037 | 352.05 | -.81 |
| 083 | 0.3650 | .46 | 366 | 0.3450 | .50 | 675 | 378.72 | .49 | 004 | 360.50 | -.33 | 616 | 349.00 | -.83 |
| 512 | 0.3636 | .38 | 027 | 0.3450 | .47 | 588 | 376.50 | .39 | 074 | 368.00 | -.34 | 186 | 356.00 | -.84 |
| 074 | 0.3600 | .20 | 693 | 0.3380 | .23 | 638 | 376.00 | .38 | 029 | 357.10 | -.48 | 345 | 344.84 | -.95 |
| 148 | 0.3595 | .18 | 017 | 0.3350 | .21 | 669 | 373.58 | .35 | 171 | 356.00 | -.49 | 096 | 345.00 | -1.22 |
| 004 | 0.3565 | .12 | 032 | 0.3345 | .02 | 529 | 374.15 | .30 | 229 | 355.00 | -.58 | 413 | 336.00 | -1.27 |
| 550 | 0.3555 | .06 | Avg | 0.3344 | | Avg | 366.12 | | 011 | 352.93 | -.61 | 169 | 333.00 | -1.32 |
| 164 | 0.3560 | .05 | 021 | 0.3305 | -.16 | 689 | 364.80 | -.16 | 242 | 349.50 | -.72 | 309 | 318.35 | -1.78 |
| Avg | 0.3552 | | 357 | 0.3300 | -.18 | 178 | 357.50 | -.33 | 226 | 349.50 | -.74 | -- | Method 028.99 | -- |
| 026 | 0.3525 | -.15 | 572 | 0.3255 | -.37 | 720 | 364.55 | -.38 | 187 | 342.39 | -.99 | 692 | 416.75 | 1.52 |
| 011 | 0.3514 | -.16 | 045 | 0.3200 | -.61 | 175 | 361.00 | -.39 | 598 | 341.00 | -1.05 | Avg | 387.11 | |
| 100 | 0.3550 | -.21 | 035 | 0.3200 | -.61 | 305 | 355.04 | -.42 | 049 | 343.86 R | -1.23 | 607 | 384.05 | -.28 |
| 413 | 0.3550 | -.21 | 567 | 0.3200 | -.74 | 590 | 350.30 | -.61 | 358 | 330.51 | -1.43 | 846 | 385.80 | -.43 |
| 229 | 0.3550 | -.21 | 186 | 0.3135 | -.89 | 731 | 349.50 | -.63 | 297 | 327.50 | -1.57 | 121 | 361.85 | -.97 |
| 598 | 0.3500 | -.22 | 616 | 0.3130 | -.90 | 032 | 352.00 | -.72 | 026 | 320.00 | -1.84 | -- | Method 029.00 | -- |
| 029 | 0.3549 | -.30 | 096 | 0.3050 R | -1.39 | 307 | 364.00 R | -.75 | 144 | 283.10 s | -3.34 | 567 | 1.7900 | .87 |
| 510 | 0.3450 | -.47 | 154 | 0.2987 | -1.52 | 278 | 347.00 | -.76 | -- | Method 028.05 | -- | Avg | 0.8968 | |
| 049 | 0.3550 R | -.63 | 309 | 0.2938 | -1.72 | 710 | 335.50 | -1.14 | -- | Method 028.05 | -- | 675 | 0.0035 | -.87 |
| 358 | 0.3400 R | -.76 | 353 | 0.2800 | -2.33 | 354 | 330.20 | -1.34 | 294 | 456.29 | 2.46 | | | |
| 226 | 0.3350 | -.87 | | | | 619 | 314.50 | -1.94 | 032 | 418.00 S | 2.12 | | | |
| 185 | 0.3338 | -.90 | | | | 646 | 313.90 | -1.95 | 160 | 412.55 | 1.17 | | | |
| 187 | 0.3306 | -1.03 | | | | 629 | 310.50 | -2.07 | 190 | 413.16 | 1.14 | | | |
| | | | | | | 505 | 310.00 R | -2.22 | 560 | 409.50 | 1.07 | | | |

* 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 031.00 | -- | -- | Method 031.01 | -- | -- | Method 031.03 | -- | -- | Method 031.05 | -- | -- | Method 031.06 | -- |
| 622 | 1.0572 | -.71 | 278 | 1.0300 | -.23 | 504 | 1.0840 | 1.27 | 553 | 1.0350 | .29 | 536 | 1.0850 | 1.29 |
| -- | Method 031.01 | -- | 609 | 1.0300 | -.23 | 026 | 1.0550 | .60 | 598 | 1.0450 | .25 | Avg | 1.0350 | |
| 633 | 1.2882 s | 4.70 | 263 | 1.0297 | -.24 | 043 | 1.0400 | .51 | 004 | 1.0430 | .20 | 686 | 1.0150 | -.51 |
| 122 | 1.2250 s | 3.49 | 588 | 1.0290 | -.25 | 047 | 1.0400 | .34 | 148 | 1.0390 | .12 | 138 | 1.0050 | -.75 |
| 142 | 1.2000 | 3.01 | 350 | 1.0317 | -.31 | 307 | 1.0350 | .19 | 171 | 1.0350 | .11 | -- | Method 031.99 | -- |
| 619 | 1.1750 | 2.58 | 625 | 1.0350 | -.32 | Avg | 1.0280 | | 226 | 1.0350 | .11 | 631 | 1.6500 S | 7.99 |
| 596 | 1.1500 R | 2.27 | 651 | 1.0255 | -.32 | 208 | 1.0020 | -.58 | Avg | 1.0324 | | 852 | 1.5000 S | 6.00 |
| 194 | 1.1350 | 1.78 | 169 | 1.0250 | -.34 | 720 | 0.9850 R | -1.53 | 199 | 1.0260 | -.12 | 729 | 1.3250 S | 3.37 |
| 629 | 1.1250 | 1.59 | 001 | 1.0245 | -.34 | 048 | 0.9400 | -1.94 | 017 | 1.0300 | -.19 | 552 | 1.1820 | 1.34 |
| 034 | 1.1100 | 1.31 | 038 | 1.0200 | -.42 | -- | Method 031.05 | -- | 682 | 1.0200 | -.23 | 692 | 1.1400 | .93 |
| 731 | 1.1050 | 1.29 | 669 | 1.0210 | -.44 | 208 | 1.1620 | 2.44 | 294 | 1.0200 | -.30 | Avg | 1.0874 | |
| 638 | 1.1050 | 1.21 | 016 | 1.0150 | -.52 | 160 | 1.1308 | 1.91 | 100 | 1.0200 | -.30 | 673 | 1.0700 | -.25 |
| 108 | 1.0750 R | 1.06 | 019 | 1.0150 | -.52 | 560 | 1.1100 | 1.47 | 037 | 1.0215 | -.31 | 590 | 1.0250 | -.89 |
| 529 | 1.0900 | .94 | 675 | 1.0150 | -.52 | 309 | 1.1035 | 1.40 | 045 | 1.0250 | -.31 | 724 | 1.0200 | -.99 |
| 722 | 1.0902 | .92 | 178 | 1.0400 | -.57 | 309 | 1.1035 | 1.40 | 357 | 1.0100 | -.46 | 588 | 0.7985 S | -4.09 |
| 305 | 1.0900 | .92 | 205 | 1.0150 | -.59 | 003 | 1.1050 | 1.37 | 038 | 1.0185 | -.48 | 613 | 0.6600 S | -6.06 |
| 233 | 1.0750 | .79 | 018 | 1.0050 | -.71 | 520 | 1.1000 | 1.27 | 144 | 1.0250 | -.49 | -- | Method 032.01 | -- |
| 139 | 1.0820 | .78 | 689 | 1.0000 | -.89 | 512 | 1.0950 | 1.19 | 229 | 1.0050 | -.52 | 563 | 1.1825 | 2.16 |
| 620 | 1.0724 | .58 | 152 | 0.9900 | -1.06 | 028 | 1.0950 | 1.18 | 029 | 1.0014 | -.60 | 529 | 1.1675 | 1.89 |
| 658 | 1.0560 | .55 | 665 | 0.9900 | -1.06 | 265 | 1.0850 | 1.03 | 510 | 1.0000 | -.61 | 019 | 1.1450 | 1.50 |
| 337 | 1.0650 | .52 | 710 | 0.9850 | -1.09 | 096 | 1.0500 R | 1.00 | 353 | 0.9950 | -.71 | 619 | 1.1300 | 1.22 |
| 607 | 1.0670 | .48 | 098 | 0.9800 | -1.24 | 366 | 1.0850 | .99 | 186 | 1.0000 | -.72 | 670 | 1.1200 | 1.04 |
| 650 | 1.0450 | .48 | 646 | 0.9750 | -1.28 | 074 | 1.0750 | .93 | 345 | 0.9920 | -.76 | 674 | 1.0800 R | .78 |
| 647 | 1.0450 | .48 | 065 | 0.9745 | -1.29 | 185 | 1.0765 | .83 | 187 | 0.9900 | -.80 | 354 | 1.1050 | .75 |
| 623 | 1.0607 | .47 | 035 | 0.9650 | -1.47 | 407 | 1.0750 | .81 | 035 | 0.9850 | -.90 | 039 | 1.0967 | .60 |
| 679 | 1.0550 | .38 | 621 | 0.9300 | -2.14 | 190 | 1.0750 | .81 | 848 | 0.9750 | -1.08 | 591 | 1.0850 | .53 |
| 363 | 1.0500 | .15 | 716 | 0.9100 | -2.52 | 021 | 1.0720 | .77 | 202 | 0.9750 | -1.12 | 001 | 1.0840 | .50 |
| 563 | 1.0484 | .12 | -- | Method 031.02 | -- | 121 | 1.0705 | .73 | 572 | 1.0215 R | -1.12 | 205 | 1.0900 | .48 |
| 175 | 1.0450 | .11 | 505 | 1.0600 | 1.54 | 358 | 1.0450 R | .70 | 550 | 0.9725 | -1.13 | 175 | 1.0800 | .47 |
| 674 | 1.0450 | .11 | 013 | 1.0600 | .58 | 164 | 1.0650 | .62 | 567 | 0.9650 | -1.27 | 505 | 1.0850 | .40 |
| 354 | 1.0450 | .11 | Avg | 1.0559 | | 616 | 1.0450 | .53 | 242 | 0.9600 | -1.36 | 646 | 1.0850 | .40 |
| 026 | 1.0450 | .11 | 011 | 1.0545 | -.21 | 049 | 1.0550 | .51 | 089 | 0.9600 | -1.36 | 612 | 1.0800 | .35 |
| 656 | 1.0450 | .11 | 043 | 1.0550 | -.72 | 083 | 1.0550 | .51 | 051 | 0.9500 | -1.55 | 013 | 1.0800 | .29 |
| 849 | 1.0450 | .11 | 014 | 1.0500 | -1.10 | 693 | 1.0570 | .47 | 106 | 0.9460 | -1.63 | 307 | 1.0750 | .22 |
| Avg | 1.0420 | | 027 | 1.0400 | .40 | 726 | 1.0543 | .41 | 154 | 0.9160 | -2.19 | Avg | 1.0639 | |
| 653 | 1.0385 | -.07 | 297 | 1.0400 | .40 | 027 | 1.0400 | .40 | 661 | 0.8925 | -2.63 | 278 | 1.0600 | -.07 |
| 723 | 1.0375 | -.11 | 413 | 1.0400 | .40 | 297 | 1.0400 | .40 | 645 | 1.0000 s | -3.81 | 065 | 1.0550 | -.16 |
| 039 | 1.0382 | -.21 | 298 | 1.0500 | .38 | 413 | 1.0400 | .40 | 298 | 1.0500 | .38 | | | |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|--------|-----|---------------|-------|-----|---------------|-------|-----|---------------|--------|-----|---------------|--------|
| -- | Method 032.01 | -- | -- | Method 032.05 | -- | -- | Method 032.05 | -- | -- | Method 033.00 | -- | -- | Method 033.01 | -- |
| 650 | 1.0550 | -1.18 | 520 | 1.2000 | 1.81 | 357 | 1.0500 | -0.65 | 689 | 3.2900 | -0.18 | 194 | 3.3350 | -0.70 |
| 609 | 1.0500 | -0.31 | 160 | 1.1558 | 1.22 | 572 | 1.0800 | -0.66 | 208 | 3.2700 | -0.30 | 413 | 3.3350 | -0.75 |
| 350 | 1.0459 | -0.33 | 004 | 1.1620 | 1.20 | 011 | 1.0401 | -0.79 | 567 | 3.2500 | -0.52 | 650 | 3.3200 | -0.98 |
| 656 | 1.0450 | -0.35 | 164 | 1.1600 | 1.17 | 510 | 1.0400 | -0.79 | 588 | 3.2450 | -0.53 | 004 | 3.3150 | -1.09 |
| 098 | 1.0450 | -0.35 | 567 | 1.1350 | 0.85 | 096 | 1.0500 | -1.03 | 358 | 3.2850 R | -0.68 | 029 | 3.3050 | -1.27 |
| 631 | 1.0500 | -0.44 | 294 | 1.1400 | 0.83 | 358 | 1.0300 | -1.07 | 539 | 3.2050 | -0.75 | 229 | 3.2850 | -1.60 |
| 208 | 1.0400 | -0.44 | 560 | 1.1350 | 0.79 | 229 | 1.0200 | -1.16 | 638 | 3.2750 R | -0.84 | 185 | 3.2800 R | -2.01 |
| 305 | 1.0400 | -0.70 | 598 | 1.0950 | 0.74 | 208 | 1.0205 | -1.18 | 407 | 3.1900 | -0.85 | 106 | 3.2550 | -2.16 |
| 038 | 1.0185 | -1.00 | 074 | 1.1250 | 0.72 | 017 | 1.0150 | -1.20 | 731 | 3.1650 | -1.03 | 164 | 3.2500 | -2.24 |
| 139 | 1.0070 | -1.04 | 413 | 1.1200 | 0.70 | 154 | 1.0219 | -1.25 | 679 | 2.9200 | -2.71 | 710 | 3.1100 s | -4.76 |
| 675 | 1.0150 | -1.09 | 190 | 1.1300 | 0.69 | 297 | 1.0100 | -1.28 | 653 | 2.8500 S | -3.19 | 039 | 2.6798 s | -12.52 |
| 142 | 1.0000 | -1.16 | 037 | 1.1290 | 0.65 | 550 | 1.0205 | -1.29 | 353 | 2.7600 S | -3.82 | -- | Method 033.03 | -- |
| 337 | 0.9900 | -1.39 | 144 | 1.1250 | 0.64 | 186 | 1.0100 | -1.29 | 596 | 1.2000 s | -14.55 | -- | Method 033.03 | -- |
| 720 | 0.9050 R | -1.47 | 003 | 1.1250 | 0.60 | 407 | 1.0100 | -1.29 | -- | Method 033.01 | -- | 726 | 4.6900 S | 5.82 |
| 710 | 0.9750 | -1.62 | 028 | 1.1250 | 0.60 | 265 | 1.0250 R | -1.48 | -- | Method 033.01 | -- | 144 | 4.6200 S | 5.54 |
| 035 | 0.9250 | -2.53 | 202 | 1.1250 | 0.60 | 616 | 0.9890 | -1.63 | 019 | 3.4650 | 1.77 | 190 | 4.4700 S | 4.62 |
| 856 | 0.1060 s | -17.42 | 512 | 1.1235 | 0.57 | 645 | 1.0500 R | -1.74 | 686 | 3.4500 | 1.38 | 674 | 4.4150 S | 4.61 |
| -- | Method 032.02 | -- | 726 | 1.1229 | 0.56 | 353 | 0.9500 | -2.26 | 226 | 3.4450 | 1.32 | 122 | 4.3800 S | 4.15 |
| 731 | 1.1050 | 1.81 | 242 | 1.1200 | 0.53 | -- | Method 032.99 | -- | 202 | 3.4400 | 1.21 | 014 | 3.8380 S | 1.48 |
| 014 | 1.0800 | 0.32 | 029 | 1.0985 | 0.52 | -- | Method 032.99 | -- | 354 | 3.4250 | 0.93 | 505 | 3.6200 | 0.71 |
| Avg | 1.0775 | | 049 | 1.1150 | 0.49 | 692 | 1.1950 | 0.73 | 205 | 3.4150 | 0.75 | Avg | 3.6200 | |
| 169 | 1.0700 | -0.43 | 309 | 1.1090 | 0.33 | 613 | 1.1900 | 0.61 | 096 | 3.4150 | 0.75 | 265 | 2.5200 S | -5.98 |
| 588 | 1.0675 | -0.58 | 027 | 1.0900 | 0.16 | Avg | 1.1267 | | 010 | 3.4100 | 0.75 | 848 | 2.3600 S | -6.86 |
| 590 | 1.0650 | -0.78 | 121 | 1.0906 | 0.05 | 047 | 0.9950 | -1.26 | 098 | 3.3850 | 0.66 | -- | Method 033.05 | -- |
| 665 | 1.0650 R | -2.70 | 199 | 1.0900 | 0.03 | 588 | 0.7265 S | -3.83 | 337 | 3.3750 | 0.63 | 171 | 3.1350 | 0.71 |
| 108 | 0.9850 s | -6.21 | Avg | 1.0887 | | -- | Method 033.00 | -- | 510 | 3.4050 | 0.57 | 171 | 3.1350 | 0.71 |
| -- | Method 032.04 | -- | 021 | 1.0885 | -0.04 | -- | Method 033.00 | -- | 178 | 3.3950 | 0.47 | -- | Method 033.99 | -- |
| 638 | 1.1150 | 0.71 | 171 | 1.0800 | -0.21 | 169 | 3.5550 | 1.66 | 175 | 3.3950 | 0.40 | 630 | 4.3500 S | 6.81 |
| -- | Method 032.05 | -- | 100 | 1.0800 | -0.21 | 693 | 3.4755 R | 1.28 | 307 | 3.3950 | 0.40 | 003 | 4.0000 S | 4.47 |
| 366 | 1.3600 s | 4.45 | 148 | 1.0735 | -0.25 | 366 | 3.4850 | 1.20 | 026 | 3.3950 | 0.40 | 552 | 3.6380 | 2.01 |
| 106 | 1.3300 s | 3.92 | 187 | 1.0700 | -0.30 | 849 | 3.4550 | 0.97 | 021 | 3.3850 | 0.34 | 027 | 3.4950 R | 1.19 |
| 629 | 1.3150 s | 3.68 | 045 | 1.0700 | -0.30 | 298 | 3.4500 | 0.94 | 011 | 3.3918 | 0.33 | 121 | 3.4085 | 0.46 |
| 051 | 1.2900 s | 3.30 | 038 | 1.0750 | -0.33 | 160 | 3.3850 | 0.58 | 199 | 3.3800 | 0.21 | 673 | 3.3500 | 0.34 |
| 083 | 1.2500 | 2.64 | 185 | 1.0600 | -0.47 | 675 | 3.3950 | 0.57 | 590 | 3.3800 | 0.12 | Avg | 3.3402 | |
| 226 | 1.2000 | 1.98 | 693 | 1.0605 | -0.48 | 309 | 3.3835 | 0.48 | Avg | 3.3736 | | 716 | 3.3000 | -0.28 |
| 168 | 1.2090 | 1.96 | 010 | 1.0600 | -0.57 | 013 | 3.3600 | 0.38 | 278 | 3.3650 | -0.18 | 855 | 3.2650 | -0.51 |
| | | | 553 | 1.0700 | -0.57 | 045 | 3.3450 | 0.24 | 100 | 3.3650 | -0.18 | 723 | 3.2600 | -0.56 |
| | | | 345 | 1.0550 | -0.60 | Avg | 3.3140 | | 242 | 3.3500 | -0.43 | 619 | 3.1600 | -1.22 |
| | | | 026 | 1.0500 | -0.63 | 297 | 3.3030 | -0.09 | 038 | 3.3550 | -0.56 | | | |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|-------|-----|---------------|--------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|
| -- | Method 034.01 | -- | -- | Method 035.00 | -- | -- | Method 035.03 | -- | -- | Method 035.03 | -- | -- | Method 036.03 | -- |
| 038 | 2.2600 | .71 | 675 | 1.3450 | .41 | 004 | 1.4345 | 1.31 | 353 | 1.1985 | -1.50 | 202 | 0.4200 | .14 |
| -- | Method 034.04 | -- | 205 | 1.3500 | .29 | 366 | 1.4250 | 1.30 | 051 | 1.1750 R | -2.06 | Avg | 0.4118 | |
| 164 | 2.2500 | .73 | 722 | 1.3522 | .29 | 021 | 1.4150 | 1.08 | 616 | 1.1300 | -2.26 | 106 | 0.4075 | -.07 |
| 508 | 2.2218 | .64 | 098 | 1.3450 | .29 | 567 | 1.4000 | 1.07 | 550 | 1.0945 | -2.68 | 693 | 0.4010 | -.18 |
| 026 | 2.2000 | .57 | 175 | 1.3350 | .23 | 726 | 1.3974 | .87 | -- | Method 035.05 | -- | 357 | 0.4000 | -.20 |
| 208 | 2.0550 | .14 | 650 | 1.3400 | .18 | 187 | 1.3950 | .84 | 106 | 1.5300 | 1.48 | 345 | 0.3965 | -.25 |
| 572 | 2.0300 | .05 | Avg | 1.3330 | | 199 | 1.3910 | .80 | 560 | 1.5000 | 1.27 | 366 | 0.4000 | -.26 |
| Avg | 2.0161 | | 278 | 1.3300 | -.30 | 029 | 1.3665 | .71 | 294 | 1.4700 | .77 | 045 | 0.3950 | -.29 |
| 169 | 1.3400 | -2.05 | 065 | 1.3105 | -.34 | 100 | 1.3800 | .68 | 590 | 1.4150 | .12 | 154 | 0.3968 R | -.38 |
| 190 | 0.1550 S | -5.65 | 529 | 1.3205 | -.36 | 413 | 1.3800 | .67 | Avg | 1.4068 | | 550 | 0.3445 | -1.12 |
| -- | Method 034.05 | -- | 152 | 1.3050 | -.42 | 693 | 1.3635 | .52 | 169 | 1.3550 | -.62 | 353 | 0.3450 R | -1.13 |
| 693 | 5.4350 S | 6.37 | 307 | 1.3100 | -.69 | 045 | 1.3650 | .49 | 731 | 1.3400 | -.80 | 616 | 0.3375 | -1.23 |
| 309 | 4.7095 S | 5.10 | 710 | 1.2850 | -.72 | 017 | 1.3550 | .48 | 171 | 1.3250 | -.98 | 265 | 0.3200 | -1.52 |
| 560 | 2.0550 | .64 | 038 | 1.2850 | -.81 | 208 | 1.3585 | .42 | 588 | 1.3195 | -1.05 | 598 | 0.2500 | -2.68 |
| 047 | 2.0400 | .60 | 337 | 1.2750 | -.87 | 164 | 1.3550 | .38 | 108 | 1.3300 R | -1.61 | -- | Method 036.04 | -- |
| 154 | 1.9050 | .38 | 658 | 1.2655 R | -1.27 | 186 | 1.3350 | .15 | 665 | 0.9050 s | -6.02 | 226 | 0.3900 | 1.12 |
| Avg | 1.6824 | | 139 | 1.1660 | -2.49 | 226 | 1.3300 | .14 | -- | Method 035.99 | -- | Avg | 0.3850 | |
| 629 | 0.7295 | -1.61 | 122 | 1.1650 s | -2.68 | 185 | 1.3275 | .05 | 692 | 1.5700 | .88 | 510 | 0.3800 | -.50 |
| -- | Method 034.99 | -- | 354 | 1.1350 | -2.95 | Avg | 1.3230 | | Avg | 1.4000 | | -- | Method 037.01 | -- |
| 096 | 2.4000 | .90 | 591 | 0.9030 s | -6.40 | 510 | 1.3205 | -.06 | 613 | 1.2300 | -.85 | 013 | 713.50 | 1.96 |
| Avg | 2.1650 | | -- | Method 035.01 | -- | 011 | 1.3226 | -.09 | 229 | 1.3100 | -.22 | 504 | 690.50 R | 1.39 |
| 098 | 1.9300 | -.84 | 647 | 1.3950 | 1.31 | 229 | 1.3100 | -.19 | 083 | 1.3050 | -.22 | 305 | 691.11 | 1.26 |
| -- | Method 035.00 | -- | 686 | 1.3650 | .49 | 148 | 1.3010 | -.26 | -- | Method 036.00 | -- | 529 | 688.00 | 1.16 |
| 609 | 1.8000 s | 6.95 | Avg | 1.3414 | | 520 | 1.3000 | -.27 | 307 | 0.5450 | .87 | 038 | 681.00 | .96 |
| 035 | 1.4300 | 1.44 | 563 | 1.3156 | -.53 | 089 | 1.2900 | -.39 | Avg | 0.4725 | | 014 | 676.00 | .84 |
| 263 | 1.4068 | 1.10 | 138 | 1.2900 | -1.13 | 297 | 1.2800 | -.52 | 297 | 0.4000 | -.86 | 350 | 675.10 | .76 |
| 363 | 1.3900 | .86 | 856 | 0.1430 s | -24.47 | 358 | 1.2950 | -.52 | -- | Method 036.03 | -- | 656 | 672.86 | .72 |
| 670 | 1.3900 | .86 | -- | Method 035.02 | -- | 661 | 1.2750 | -.56 | 186 | 0.4920 | 1.33 | 591 | 670.92 | .70 |
| 142 | 1.3750 | .73 | 638 | 1.3250 | -.71 | 407 | 1.2700 | -.62 | 021 | 0.4910 | 1.31 | 638 | 672.00 | .66 |
| 305 | 1.3800 | .70 | -- | Method 035.03 | -- | 242 | 1.2650 | -.68 | 187 | 0.4906 | 1.30 | 722 | 670.50 | .64 |
| 720 | 1.3500 | .65 | 037 | 1.6665 s | 4.02 | 049 | 1.2650 | -.70 | 560 | 0.4720 | 1.00 | 590 | 666.15 | .50 |
| 208 | 1.3700 | .55 | 160 | 1.4878 | 1.94 | 144 | 1.2700 | -.71 | 169 | 0.4700 | .96 | 505 | 665.00 | .47 |
| 656 | 1.3700 | .55 | 096 | 1.4500 | 1.60 | 154 | 1.2611 | -.73 | 294 | 0.4550 | .72 | 653 | 661.61 | .34 |
| 619 | 1.3400 | .46 | 202 | 1.4550 | 1.55 | 682 | 1.2600 | -.74 | 708 | 0.4375 | .42 | 675 | 658.99 | .27 |
| | | | 645 | 1.3550 R | 1.51 | 298 | 1.2400 | -.98 | 038 | 0.4205 | .27 | 563 | 653.66 | .10 |
| | | | 572 | 1.4350 | 1.34 | 345 | 1.2400 | -.98 | 160 | 0.4262 | .25 | Avg | 650.92 | |
| | | | | | | 309 | 1.2255 | -1.15 | 171 | 0.4215 | .16 | 731 | 646.50 | -.22 |
| | | | | | | 598 | 1.2150 | -1.28 | | | | | | |

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

Laboratory Averages & Accuracy Indexes

| Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index | Lab | Average* | Index |
|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|-----|---------------|-------|
| -- | Method 037.01 | -- | -- | Method 037.03 | -- | -- | Method 037.05 | -- | -- | Method 041.00 | -- | -- | Method 104.00 | -- |
| 278 | 646.35 | -0.34 | 011 | 615.01 | -0.45 | 154 | 528.00 s | -2.80 | 021 | 3.8000 | 1.13 | 227 | 2.6500 | -0.71 |
| 669 | 641.29 | -0.34 | 226 | 602.00 | -0.76 | -- | | | Avg | 3.5456 | | -- | | |
| 307 | 640.00 | -0.34 | 049 | 595.66 | -1.02 | -- | Method 037.99 | -- | 011 | 3.5368 | -0.09 | -- | Method 105.00 | -- |
| 619 | 642.00 | -0.42 | 242 | 578.00 | -1.32 | 692 | 716.60 | .96 | 154 | 3.3000 | -1.10 | 160 | 1.7300 | .71 |
| 098 | 646.00 | -0.43 | 407 | 579.50 | -1.36 | 846 | 715.32 | .87 | -- | | | -- | | |
| 175 | 637.00 | -0.46 | 003 | 562.00 | -1.70 | 607 | 703.37 | .18 | -- | Method 065.00 | -- | -- | Method 105.01 | -- |
| 354 | 633.75 | -0.55 | 598 | 560.50 | -1.74 | Avg | 700.33 | | 043 | 302.85 | 1.31 | 227 | 1.5300 | .71 |
| 689 | 631.10 | -0.63 | 144 | 542.90 | -2.15 | 121 | 666.04 | -1.34 | 016 | 281.50 | .39 | -- | | |
| 588 | 630.50 | -0.64 | -- | | | -- | | | 027 | 281.25 | .37 | -- | Method 106.00 | -- |
| 178 | 618.50 | -1.03 | -- | Method 037.05 | -- | -- | Method 038.00 | -- | Avg | 273.55 | | 171 | 29.500 | .71 |
| 208 | 589.00 | -1.94 | 038 | 801.50 s | 3.39 | 510 | 2.8000 | 1.47 | 035 | 269.50 | -0.18 | -- | | |
| 035 | 579.00 | -2.25 | 572 | 741.00 | 1.98 | 154 | 2.4500 | .81 | 028 | 272.50 | -0.43 | -- | Method 106.02 | -- |
| 720 | 579.20 | -2.26 | 017 | 729.50 | 1.71 | 106 | 2.3550 | .56 | 029 | 233.70 | -1.81 | 723 | 38.610 | 2.32 |
| 710 | 549.00 s | -3.18 | 560 | 692.50 | .90 | 693 | 2.3000 | .48 | -- | | | 638 | 34.300 | 1.67 |
| -- | | | 199 | 681.10 | .65 | 011 | 2.0973 | .36 | -- | Method 065.01 | -- | 028 | 30.338 | 1.08 |
| -- | Method 037.03 | -- | 027 | 672.52 | .61 | Avg | 2.0851 | | 027 | 263.90 | .96 | 021 | 27.550 | .73 |
| 208 | 826.50 s | 4.53 | 096 | 655.00 R | .56 | 029 | 2.0290 | -0.13 | Avg | 258.60 | | 169 | 27.500 | .66 |
| 358 | 732.78 R | 2.45 | 202 | 677.50 | .55 | 096 | 2.0000 | -0.17 | 013 | 253.30 | -0.76 | 017 | 27.250 | .64 |
| 265 | 709.00 | 1.81 | 190 | 676.64 | .53 | 560 | 1.6400 | -0.93 | -- | | | 563 | 27.148 | .60 |
| 004 | 701.00 | 1.58 | 169 | 676.00 | .52 | 169 | 1.0950 | -2.02 | -- | Method 065.03 | -- | 034 | 26.450 | .51 |
| 297 | 667.00 R | 1.37 | 106 | 672.50 | .51 | -- | | | 047 | 333.19 | 1.97 | 038 | 26.039 | .49 |
| 074 | 677.50 | 1.02 | 366 | 667.50 | .43 | -- | Method 038.99 | -- | 148 | 299.55 | .61 | 619 | 24.450 | .35 |
| 512 | 669.35 | .84 | 160 | 665.55 | .40 | 164 | 2.8000 | .00 | 001 | 298.35 | .56 | 676 | 24.750 | .25 |
| 164 | 666.50 | .76 | 413 | 666.00 | .30 | -- | | | 512 | 288.50 | .16 | 027 | 23.960 | .21 |
| 171 | 663.50 X | .70 | 726 | 665.56 | .29 | -- | Method 039.01 | -- | Avg | 284.60 | | 512 | 23.790 | .10 |
| 083 | 663.50 | .70 | 693 | 661.50 | .20 | 164 | 16.000 | .71 | 668 | 271.00 R | -0.64 | 208 | 23.600 | .09 |
| 148 | 658.50 | .61 | 037 | 653.60 | .06 | -- | | | 026 | 267.27 | -0.70 | 004 | 23.545 | .07 |
| 510 | 659.50 | .60 | Avg | 652.71 | | -- | Method 039.02 | -- | 218 | 266.82 | -0.72 | 035 | 23.200 | .05 |
| 185 | 654.00 | .48 | 021 | 652.00 | -0.05 | 560 | 17.050 | 1.01 | 846 | 265.15 | -0.82 | Avg | 23.111 | |
| 229 | 647.00 | .42 | 045 | 650.50 | -0.09 | 011 | 16.691 | .61 | 038 | 258.00 | -1.10 | 096 | 21.995 | -0.20 |
| 550 | 645.43 | .30 | 294 | 646.08 | -0.15 | 154 | 16.500 | .57 | -- | | | 227 | 20.450 | -0.48 |
| 520 | 643.50 | .25 | 186 | 646.00 | -0.25 | Avg | 15.198 | | -- | Method 065.99 | -- | 199 | 19.150 | -0.59 |
| 026 | 641.50 | .20 | 357 | 641.00 | -0.29 | 567 | 14.500 | -0.28 | 014 | 331.00 | 1.17 | 160 | 16.685 | -0.96 |
| 100 | 642.00 | .20 | 345 | 636.28 | -0.37 | 021 | 11.250 | -1.65 | 033 | 306.50 | .66 | 670 | 16.225 | -1.03 |
| 553 | 641.50 | .17 | 309 | 602.90 | -1.12 | -- | | | Avg | 275.88 | | 560 | 14.500 | -1.29 |
| 029 | 641.15 | .17 | 567 | 595.50 | -1.30 | -- | Method 040.00 | -- | 171 | 235.50 | -0.86 | 616 | 14.445 | -1.30 |
| Avg | 634.09 | | 353 | 587.65 | -1.45 | 560 | 7.8800 | -0.71 | 017 | 230.50 | -0.97 | 856 | 11.350 | -1.76 |
| 629 | 631.00 | -0.08 | 616 | 585.50 | -1.50 | -- | | | -- | | | 039 | 10.495 | -1.89 |
| 187 | 629.48 | -0.14 | 032 | 528.00 | -2.78 | -- | | | 003 | 0.0245 s | -3.45 | 003 | 0.0245 s | -3.45 |

* 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 108.02 | -- | -- | Method 121.00 | -- | -- | Method 124.00 | -- | -- | Method 126.00 | -- | -- | Method 128.00 | -- |
| 208 | 4.4200 | .87 | 160 | 1.7966 | 2.25 | 160 | 0.4583 | 2.08 | 652 | 1.0000 | 1.94 | 504 | 0.7500 s | 2.69 |
| Avg | 3.7325 | | 652 | 1.7100 | 1.16 | 684 | 0.4200 | 1.01 | 676 | 0.9740 | 1.37 | 652 | 0.7150 | 1.32 |
| 227 | 3.0450 | -.87 | 227 | 1.6250 | .57 | 652 | 0.4050 | .57 | 571 | 0.9575 | .69 | 676 | 0.7090 | 1.19 |
| -- | Method 109.02 | -- | 676 | 1.6310 | .40 | 038 | 0.3950 | .33 | 619 | 0.9470 | .44 | 662 | 0.6983 | .71 |
| 675 | 20.010 R | 2.75 | 571 | 1.6475 | .35 | Avg | 0.3859 | | Avg | 0.9343 | | 571 | 0.6955 | .61 |
| 227 | 15.750 | 1.19 | Avg | 1.6208 | | 619 | 0.3800 | -.18 | 350 | 0.9265 | -.23 | 644 | 0.6825 | .24 |
| 676 | 14.250 | .74 | 619 | 1.6150 | -.20 | 571 | 0.3805 | -.18 | 662 | 0.9219 | -.69 | 038 | 0.6805 | .13 |
| 563 | 12.715 | .28 | 644 | 1.6035 | -.29 | 662 | 0.3707 | -.46 | 227 | 0.9100 | -.78 | Avg | 0.6767 | |
| Avg | 11.818 | | 350 | 1.5950 | -.37 | 350 | 0.3620 | -.69 | 644 | 0.9080 | -.78 | 227 | 0.6700 | -.22 |
| 560 | 8.7750 | -.92 | 504 | 1.6150 | -.45 | 504 | 0.3450 | -.18 | 504 | 0.9250 | -.79 | 684 | 0.6535 | -.76 |
| 199 | 7.6000 | -1.27 | 662 | 1.5741 | -.65 | 644 | 0.3425 | -1.25 | 038 | 0.9090 | -.85 | 619 | 0.6745 R | -.89 |
| -- | Method 109.99 | -- | 684 | 1.5320 | -1.13 | -- | Method 124.02 | -- | 684 | 0.8985 | -1.06 | 350 | 0.6470 | -.96 |
| 096 | 10.000 | .00 | 038 | 1.5055 | -1.53 | 227 | 0.3550 | .71 | -- | Method 126.05 | -- | 160 | 0.6158 | -1.96 |
| -- | Method 120.00 | -- | -- | Method 121.05 | -- | -- | Method 124.05 | -- | 626 | 0.9950 | .82 | -- | Method 128.05 | -- |
| 676 | 1.1615 s | 4.34 | 626 | 1.7800 | .80 | -- | Method 124.05 | -- | Avg | 0.9125 | | 626 | 0.7550 | .79 |
| 160 | 1.1235 R | 2.98 | Avg | 1.6575 | | 668 | 0.3450 | .71 | 668 | 0.8300 | -.91 | Avg | 0.7075 | |
| 571 | 1.1000 | 1.43 | 668 | 1.5350 | -.93 | -- | Method 125.00 | -- | -- | Method 127.00 | -- | 668 | 0.6600 | -.93 |
| 652 | 1.0950 | 1.36 | -- | Method 122.00 | -- | 619 | 3.5400 | 1.69 | 160 | 0.6480 s | 3.77 | -- | Method 129.00 | -- |
| 684 | 1.0870 | .83 | 652 | 1.8150 | 1.93 | 504 | 3.4150 R | 1.58 | 652 | 0.5900 | 1.95 | 504 | 1.4800 | 1.43 |
| Avg | 1.0684 | | 619 | 1.7650 | 1.04 | 662 | 3.4371 | 1.01 | 676 | 0.5630 | 1.13 | 676 | 1.4720 | 1.12 |
| 662 | 1.0664 | -.12 | 662 | 1.7397 | .64 | 652 | 3.4500 | .83 | 571 | 0.5410 | .53 | 652 | 1.4750 | .95 |
| 619 | 1.0650 | -.27 | 644 | 1.7310 | .56 | 676 | 3.4295 | .71 | 662 | 0.5324 | .29 | 619 | 1.4750 | .95 |
| 227 | 1.0600 | -.58 | 676 | 1.7150 | .53 | 227 | 3.3900 | .37 | Avg | 0.5270 | | 571 | 1.4550 | .35 |
| 038 | 1.0560 | -.90 | 038 | 1.7125 | .48 | 571 | 3.3750 | .12 | 684 | 0.5215 | -.18 | 684 | 1.4500 | .23 |
| 350 | 1.0440 | -1.09 | 571 | 1.7300 | .44 | Avg | 3.3673 | | 644 | 0.5250 | -.19 | Avg | 1.4413 | |
| 644 | 1.0455 | -1.11 | Avg | 1.7054 | | 684 | 3.3275 | -.39 | 619 | 0.5230 | -.33 | 350 | 1.4390 | -.10 |
| 504 | 1.0650 | -1.13 | 227 | 1.6750 | -.54 | 350 | 3.3240 | -.42 | 504 | 0.5200 | -.37 | 644 | 1.4315 | -.34 |
| -- | Method 120.05 | -- | 350 | 1.6580 | -.83 | 644 | 3.3005 | -.71 | 227 | 0.5100 | -.52 | 662 | 1.4266 | -.45 |
| 668 | 1.1150 | .79 | 504 | 1.6600 | -.95 | 038 | 3.2710 | -1.26 | 038 | 0.5115 | -.53 | 227 | 1.4350 | -.66 |
| Avg | 1.1025 | | 684 | 1.6385 | -1.18 | 160 | 3.1955 | -1.70 | 350 | 0.4600 | -2.05 | 038 | 1.3875 | -1.40 |
| 626 | 1.0900 | -.94 | 160 | 1.6251 | -1.41 | -- | Method 125.05 | -- | -- | Method 127.05 | -- | 160 | 1.3694 | -1.86 |
| -- | Method 122.05 | -- | -- | Method 122.05 | -- | 668 | 3.4500 | .89 | 668 | 0.5800 | 1.07 | -- | Method 129.05 | -- |
| 626 | 1.7700 | .86 | 668 | 1.7700 | .86 | Avg | 3.3700 | | Avg | 0.5600 | | 626 | 1.4800 | .68 |
| Avg | 1.7025 | | Avg | 1.7025 | | 626 | 3.2900 | -.84 | 626 | 0.5400 | -.59 | Avg | 1.4350 | |
| 626 | 1.6350 | -.87 | 626 | 1.6350 | -.87 | -- | Method 127.00 | -- | -- | Method 129.00 | -- | 668 | 1.3900 | -1.02 |

* 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 130.00 | -- | -- | Method 132.00 | -- | -- | Method 134.00 | -- | -- | Method 136.00 | -- | -- | Method 138.00 | -- |
| 684 | 4.6480 s | 92.41 | 160 | 1.1478 | 2.39 | 160 | 1.1273 | 2.51 | 684 | 0.2385 | .92 | Avg | 0.9560 | |
| 160 | 1.0085 | 2.51 | 619 | 1.0350 | .82 | 619 | 1.0200 | .97 | Avg | 0.2350 | | 662 | 0.9490 | -.31 |
| 504 | 0.9200 | 1.11 | 652 | 1.0150 | .52 | 662 | 0.9885 | .52 | 662 | 0.2315 | -.80 | 619 | 0.9430 | -.64 |
| 676 | 0.8690 | .17 | 676 | 0.9895 | .38 | 676 | 0.9745 | .51 | 038 | 0.1710 s | -6.54 | 227 | 0.9250 | -.84 |
| 350 | 0.8650 | .08 | 504 | 0.9800 | .02 | 227 | 0.9550 | .36 | -- | Method 136.01 | -- | 684 | 0.9060 | -1.34 |
| Avg | 0.8628 | | Avg | 0.9789 | | 571 | 0.9605 | .17 | -- | Method 136.01 | -- | 652 | 0.9150 | -1.44 |
| 652 | 0.8600 | -.18 | 350 | 0.9735 | -.09 | Avg | 0.9539 | | 227 | 0.2750 s | 4.78 | 160 | 0.7277 s | -6.12 |
| 571 | 0.8500 | -.24 | 571 | 0.9615 | -.26 | 350 | 0.9215 | -.47 | 160 | 0.2450 | 1.43 | -- | Method 138.05 | -- |
| 619 | 0.8470 | -.35 | 644 | 0.9420 | -.53 | 652 | 0.9250 | -.55 | Avg | 0.2325 | | 626 | 1.0350 | .85 |
| 644 | 0.8360 | -.49 | 662 | 0.9373 | -.60 | 644 | 0.8995 | -.78 | 644 | 0.2325 | -.28 | Avg | 0.9400 | |
| 662 | 0.8200 | -.77 | 684 | 0.9010 | -1.10 | 684 | 0.8940 | -.87 | 571 | 0.2300 | -.36 | 668 | 0.8450 | -.88 |
| 227 | 0.8150 | -.83 | 227 | 0.8850 | -1.33 | 038 | 0.8905 | -.92 | 619 | 0.2225 | -1.12 | -- | Method 139.00 | -- |
| 038 | 0.8005 | -1.10 | 038 | 0.8530 R | -1.87 | 504 | 0.8900 | -.92 | -- | Method 136.99 | -- | 504 | 0.0350 | -.71 |
| -- | Method 130.05 | -- | -- | Method 132.05 | -- | -- | Method 134.05 | -- | 504 | 0.2250 | .71 | -- | Method 137.00 | -- |
| 668 | 0.9900 | .89 | 626 | 0.9900 | .63 | 626 | 1.0100 | .47 | -- | Method 137.00 | -- | 856 | 2.0000 | .00 |
| Avg | 0.9300 | | Avg | 0.9600 | | Avg | 0.9925 | | -- | Method 137.00 | -- | -- | Method 300.03 | -- |
| 626 | 0.8700 | -.84 | 668 | 0.9300 | -1.05 | 668 | 0.9750 | -1.13 | 160 | 0.7402 | 2.06 | -- | Method 2.0000 | .00 |
| -- | Method 131.00 | -- | -- | Method 133.00 | -- | -- | Method 135.00 | -- | 504 | 0.6500 | .49 | -- | Method 138.05 | -- |
| 684 | 1.3415 s | 92.08 | 652 | 1.2400 | 1.67 | 619 | 0.9355 | 2.22 | 662 | 0.6356 | .23 | -- | Method 139.00 | -- |
| 652 | 0.2950 R | 1.71 | 676 | 1.1660 | .69 | 160 | 0.8982 | 1.44 | Avg | 0.6349 | | 626 | 1.0350 | .85 |
| 350 | 0.3095 | 1.68 | 619 | 1.1750 | .67 | 652 | 0.8550 | .62 | 644 | 0.6130 | -.44 | 644 | 0.9400 | |
| 644 | 0.2985 | 1.02 | 662 | 1.1656 | .59 | Avg | 0.8299 | | 684 | 0.6040 | -.64 | 676 | 0.6135 | -.70 |
| 571 | 0.2875 | .36 | 571 | 1.1625 | .51 | 644 | 0.8295 | -.05 | 350 | 0.5880 | -.92 | 350 | 0.5880 | -.92 |
| 662 | 0.2833 | .12 | 644 | 1.1595 | .39 | 571 | 0.8275 | -.07 | 227 | 0.5000 s | -2.67 | -- | Method 137.05 | -- |
| Avg | 0.2817 | | 038 | 1.1425 | .17 | 350 | 0.8185 | -.24 | -- | Method 137.05 | -- | 668 | 0.5900 | 1.15 |
| 160 | 0.2770 | -.42 | Avg | 1.1348 | | 662 | 0.8182 | -.30 | 668 | 0.5900 | 1.15 | Avg | 0.5850 | |
| 619 | 0.2715 | -.65 | 504 | 1.1000 | -.63 | 684 | 0.8095 | -.43 | Avg | 0.5850 | | 626 | 0.5800 | -.42 |
| 038 | 0.2660 | -1.09 | 684 | 1.0955 | -.65 | 227 | 0.8200 | -.47 | 626 | 0.5800 | -.42 | -- | Method 138.00 | -- |
| 504 | 0.2600 | -1.31 | 160 | 1.0709 | -1.01 | 676 | 0.7970 | -.80 | -- | Method 138.00 | -- | 676 | 1.0165 | 1.81 |
| -- | Method 131.02 | -- | 227 | 1.0050 | -2.04 | 504 | 0.7900 | -.87 | 676 | 1.0165 | 1.81 | 571 | 0.9870 | .90 |
| 227 | 0.2600 | .71 | -- | Method 133.05 | -- | 038 | 0.7605 | -1.46 | 571 | 0.9870 | .90 | 504 | 0.9700 | .88 |
| -- | Method 131.05 | -- | 626 | 1.1150 | .73 | -- | Method 135.05 | -- | 504 | 0.9700 | .88 | 644 | 0.9755 | .58 |
| 626 | 0.3050 | .87 | Avg | 1.0825 | | 626 | 0.8500 | .76 | 644 | 0.9755 | .58 | 038 | 0.9695 | .43 |
| Avg | 0.3000 | | 668 | 1.0500 | -.98 | Avg | 0.8150 | | 038 | 0.9695 | .43 | 350 | 0.9595 | .20 |
| 668 | 0.2950 | -.87 | | | | 668 | 0.7800 | -.96 | | | | | | |

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

Method Evaluation - Z Values Based on 1 Reports

| Method Code | Number Of Labs | Avg Bias of Labs | Std Dev of Biases | Std Dev Within Labs | Method Code | Number Of Labs | Avg Bias of Labs | Std Dev of Biases | Std Dev Within Labs |
|-------------|----------------|------------------|-------------------|---------------------|-------------|----------------|------------------|-------------------|---------------------|
| 000.01 | 6 | 0.0000 | 1.03 | 0.18 | 009.07 | 11 | 0.0000 | 0.97 | 0.31 |
| 000.99 | 2 | 0.0000 | 1.22 | 0.00 | 009.09 | 20 | 0.0623 | 1.01 | 0.29 |
| 001.00 | 11 | -0.1476 | 1.27 | 0.29 | 009.99 | 4 | 0.0000 | 1.07 | 0.11 |
| 001.03 | 4 | 36.1780 | 72.36 | 0.09 | 010.03 | 4 | 0.0000 | 1.08 | 0.06 |
| 001.07 | 41 | 0.2516 | 1.39 | 0.27 | 010.11 | 9 | 15.0388 | 45.13 | 0.45 |
| 001.99 | 17 | 0.0000 | 1.00 | 0.14 | 010.99 | 18 | 5.7454 | 22.67 | 0.28 |
| 002.00 | 5 | 0.0000 | 1.02 | 0.25 | 011.01 | 88 | -0.0059 | 1.06 | 0.12 |
| 002.01 | 14 | -7.8069 | 29.22 | 0.36 | 011.99 | 3 | -2.9721 | 5.18 | 0.87 |
| 002.02 | 8 | -0.5045 | 1.69 | 0.29 | 012.00 | 8 | 0.5941 | 4.00 | 0.40 |
| 002.04 | 5 | 0.0000 | 0.91 | 0.49 | 012.01 | 2 | 0.0000 | 1.20 | 0.17 |
| 002.05 | 22 | 0.0274 | 0.99 | 0.16 | 012.03 | 2 | 0.0000 | 1.20 | 0.17 |
| 002.06 | 136 | -1.3444 | 10.32 | 0.41 | 012.04 | 6 | 0.0000 | 1.05 | 0.04 |
| 002.08 | 6 | 0.0000 | 1.02 | 0.21 | 013.02 | 25 | 0.1246 | 1.05 | 0.30 |
| 002.10 | 10 | -4.9500 | 15.68 | 0.38 | 013.10 | 16 | 0.3053 | 1.46 | 0.32 |
| 002.11 | 13 | 1.5066 | 3.05 | 0.15 | 013.99 | 2 | 0.0000 | 1.10 | 0.37 |
| 002.99 | 6 | -1.0656 | 2.22 | 0.71 | 015.00 | 12 | -0.0206 | 0.98 | 0.13 |
| 003.00 | 33 | 0.4623 | 1.58 | 0.15 | 016.00 | 2 | 0.0000 | 1.22 | 0.03 |
| 003.06 | 28 | 0.0379 | 1.31 | 0.80 | 017.00 | 10 | -0.5660 | 2.02 | 0.49 |
| 003.09 | 29 | 0.0263 | 0.99 | 0.16 | 018.01 | 2 | 0.0000 | 1.22 | 0.00 |
| 003.10 | 34 | -0.4572 | 1.77 | 0.46 | 018.02 | 3 | 0.0000 | 1.09 | 0.19 |
| 003.11 | 12 | 0.3535 | 1.56 | 0.14 | 019.00 | 17 | 0.0180 | 0.98 | 0.18 |
| 003.12 | 3 | 0.0000 | 1.10 | 0.17 | 019.01 | 56 | -0.1478 | 3.03 | 0.35 |
| 003.13 | 7 | 0.0000 | 1.01 | 0.23 | 019.03 | 5 | 0.9980 | 2.38 | 0.38 |
| 003.14 | 16 | 0.7714 | 2.70 | 0.35 | 019.05 | 37 | 0.1459 | 1.34 | 0.49 |
| 003.99 | 12 | 0.0708 | 0.95 | 0.25 | 019.08 | 6 | 0.0000 | 1.03 | 0.17 |
| 004.00 | 31 | 0.0741 | 0.99 | 0.21 | 019.09 | 29 | 0.0396 | 1.07 | 0.44 |
| 004.01 | 2 | 0.0000 | 1.14 | 0.32 | 019.99 | 8 | -0.3951 | 2.67 | 0.18 |
| 004.03 | 3 | 0.0000 | 0.53 | 0.80 | 020.00 | 2 | 0.0000 | 1.07 | 0.42 |
| 004.06 | 38 | -0.0402 | 1.00 | 0.24 | 020.01 | 8 | -0.0809 | 0.98 | 0.32 |
| 004.07 | 39 | 0.2463 | 1.32 | 0.15 | 021.01 | 6 | 0.0000 | 1.05 | 0.04 |
| 004.11 | 12 | -0.1155 | 3.96 | 0.23 | 021.02 | 17 | 0.5261 | 1.82 | 0.43 |
| 004.99 | 3 | 0.0000 | 1.11 | 0.13 | 022.01 | 33 | -0.1246 | 1.21 | 0.20 |
| 005.00 | 148 | 0.1294 | 1.96 | 0.19 | 022.03 | 30 | -0.0707 | 1.03 | 0.29 |
| 005.11 | 9 | -0.6280 | 2.10 | 0.29 | 022.05 | 29 | 0.0940 | 1.13 | 0.31 |
| 005.99 | 14 | 0.0000 | 1.00 | 0.18 | 022.99 | 4 | 0.0000 | 1.07 | 0.10 |
| 008.02 | 14 | 0.0000 | 1.02 | 0.08 | 025.01 | 31 | -0.1339 | 1.18 | 0.25 |
| 008.08 | 23 | -0.0179 | 0.99 | 0.14 | 025.03 | 30 | -0.1482 | 1.28 | 0.24 |
| 008.99 | 6 | 0.0000 | 1.02 | 0.24 | 025.05 | 24 | 0.0000 | 1.00 | 0.15 |
| 009.04 | 2 | 0.0000 | 0.90 | 0.59 | 025.99 | 2 | 0.0000 | 1.22 | 0.01 |

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 |
|-------------|----------------|------------------|-------------------|---------------------|-------------|----------------|------------------|-------------------|---------------------|
| 026.00 | 4 | 0.0000 | 0.92 | 0.49 | 037.99 | 4 | 0.0000 | 0.90 | 0.51 |
| 026.99 | 2 | 0.0000 | 1.21 | 0.11 | 038.00 | 9 | 0.0000 | 1.01 | 0.20 |
| 027.01 | 35 | -0.0687 | 1.00 | 0.29 | 039.02 | 5 | 0.0000 | 0.99 | 0.35 |
| 027.03 | 33 | -0.5269 | 2.56 | 0.18 | 041.00 | 3 | 0.0000 | 1.04 | 0.34 |
| 027.05 | 26 | -0.0477 | 1.00 | 0.22 | 065.00 | 6 | 0.0000 | 1.02 | 0.23 |
| 027.99 | 3 | 0.0000 | 1.11 | 0.09 | 065.01 | 2 | 0.0000 | 1.07 | 0.42 |
| 028.01 | 32 | -0.0679 | 1.02 | 0.28 | 065.03 | 9 | -0.0614 | 0.98 | 0.15 |
| 028.03 | 31 | -0.0558 | 1.20 | 0.33 | 065.99 | 4 | 0.0000 | 1.07 | 0.09 |
| 028.05 | 28 | 0.0459 | 0.94 | 0.49 | 106.02 | 26 | -0.1329 | 1.19 | 0.13 |
| 028.99 | 4 | 0.0000 | 0.87 | 0.56 | 108.02 | 2 | 0.0000 | 1.22 | 0.05 |
| 029.00 | 2 | 0.0000 | 1.22 | 0.00 | 109.02 | 6 | 0.4118 | 1.38 | 0.49 |
| 031.01 | 62 | 0.1755 | 1.22 | 0.28 | 120.00 | 12 | 0.5510 | 1.55 | 0.77 |
| 031.02 | 5 | 0.0000 | 0.60 | 0.78 | 120.05 | 2 | 0.0000 | 1.04 | 0.46 |
| 031.03 | 8 | -0.1180 | 0.99 | 0.48 | 121.00 | 12 | 0.0000 | 0.97 | 0.32 |
| 031.05 | 64 | -0.0039 | 0.95 | 0.55 | 121.05 | 2 | 0.0000 | 1.12 | 0.35 |
| 031.06 | 3 | 0.0000 | 1.08 | 0.24 | 122.00 | 12 | 0.0000 | 0.97 | 0.30 |
| 031.99 | 10 | 0.7021 | 4.23 | 0.56 | 122.05 | 2 | 0.0000 | 1.20 | 0.16 |
| 032.01 | 36 | -0.5056 | 3.05 | 0.31 | 124.00 | 10 | 0.0000 | 1.02 | 0.13 |
| 032.02 | 7 | -0.8659 | 2.14 | 1.59 | 125.00 | 12 | 0.0388 | 0.91 | 0.57 |
| 032.05 | 63 | 0.2159 | 1.32 | 0.41 | 125.05 | 2 | 0.0000 | 1.18 | 0.23 |
| 032.99 | 4 | -0.9562 | 2.11 | 0.19 | 126.00 | 11 | 0.0000 | 0.94 | 0.40 |
| 033.00 | 24 | -0.8716 | 3.21 | 0.28 | 126.05 | 2 | 0.0000 | 1.16 | 0.28 |
| 033.01 | 34 | -0.5575 | 2.46 | 0.32 | 127.00 | 12 | 0.3082 | 1.43 | 0.30 |
| 033.03 | 9 | 1.4100 | 4.83 | 0.76 | 127.05 | 2 | 0.0000 | 0.84 | 0.63 |
| 033.99 | 10 | 1.2297 | 2.55 | 0.25 | 128.00 | 12 | 0.1908 | 1.13 | 0.51 |
| 034.04 | 7 | -0.8072 | 2.34 | 0.10 | 128.05 | 2 | 0.0000 | 1.12 | 0.36 |
| 034.05 | 6 | 1.9047 | 3.09 | 0.31 | 129.00 | 12 | 0.0000 | 0.90 | 0.46 |
| 034.99 | 2 | 0.0000 | 1.17 | 0.27 | 129.05 | 2 | 0.0000 | 0.96 | 0.54 |
| 035.00 | 31 | -0.0953 | 2.01 | 0.34 | 130.00 | 12 | 5.4191 | 18.80 | 18.96 |
| 035.01 | 5 | -4.8946 | 10.98 | 0.37 | 130.05 | 2 | 0.0000 | 1.19 | 0.20 |
| 035.03 | 48 | 0.0555 | 1.14 | 0.34 | 131.00 | 10 | 6.4738 | 20.21 | 20.96 |
| 035.05 | 10 | -0.6945 | 2.09 | 0.46 | 131.05 | 2 | 0.0000 | 0.39 | 0.82 |
| 035.99 | 2 | 0.0000 | 1.21 | 0.14 | 132.00 | 12 | -0.1484 | 1.10 | 0.21 |
| 036.00 | 2 | 0.0000 | 1.22 | 0.04 | 132.05 | 2 | 0.0000 | 0.89 | 0.59 |
| 036.03 | 23 | -0.0589 | 0.99 | 0.11 | 133.00 | 11 | 0.0000 | 0.98 | 0.27 |
| 036.04 | 2 | 0.0000 | 0.71 | 0.71 | 133.05 | 2 | 0.0000 | 1.02 | 0.48 |
| 037.01 | 31 | -0.0628 | 1.14 | 0.21 | 134.00 | 12 | 0.0000 | 1.00 | 0.21 |
| 037.03 | 30 | 0.2545 | 1.32 | 0.30 | 134.05 | 2 | 0.0000 | 0.58 | 0.76 |
| 037.05 | 29 | 0.0203 | 1.25 | 0.24 | 135.00 | 12 | 0.0000 | 1.00 | 0.21 |

Method Evaluation - Z Values Based on 1 Reports

| Method Code | Number Of Labs | Avg Bias of Labs | Std Dev of Biases | Std Dev Within Labs | Method Code | Number Of Labs | Avg Bias of Labs | Std Dev of Biases | Std Dev Within Labs |
|-------------|----------------|------------------|-------------------|---------------------|-------------|----------------|------------------|-------------------|---------------------|
| 135.05 | 2 | 0.0000 | 1.03 | 0.47 | | | | | |
| 136.00 | 3 | -2.1434 | 3.73 | 0.95 | | | | | |
| 136.01 | 5 | 0.9498 | 2.31 | 0.33 | | | | | |
| 137.00 | 8 | -0.3305 | 1.31 | 0.30 | | | | | |
| 137.05 | 2 | 0.0000 | 0.27 | 0.85 | | | | | |
| 138.00 | 12 | -0.5085 | 1.95 | 0.50 | | | | | |
| 138.05 | 2 | 0.0000 | 1.20 | 0.16 | | | | | |