

Mycotoxin Proficiency Testing, Z Scored Against Robust Consensus

Issue Date: 10/31/2017

Analytes for Sample # 201763 Rabbit Feed

Disclaimer: Z scores are provided for research and method development purposes only!

| Lab # | Code | Analyte | Method | Result 1 | Result 2 | Detect ? | | LOD | Probability of Detection | Z Score | Assigned Value | Horwitz |
|-------|--------|-----------------------|-----------------------------------|----------|----------|----------|----|-----|--------------------------|---------|----------------|---------|
| | | | | | | D1 | D2 | | | | | |
| 0202 | 600.12 | Total Aflatoxin (ppb) | r-Biopharm Ridascreen FAST Afl | 9.54 | 9.69 | Y | Y | | | -2.82 | 25.328 | 5.572 |
| 0010 | 600.21 | Total Aflatoxin (ppb) | LC-PCD FI | 12 | 12 | Y | Y | | | -2.39 | 25.328 | 5.572 |
| 2129 | 600.12 | Total Aflatoxin (ppb) | r-Biopharm Ridascreen FAST Afl | 14.4 | 13.9 | Y | Y | | | -2.01 | 25.328 | 5.572 |
| 0027 | 600.21 | Total Aflatoxin (ppb) | LC-PCD FI | 19.632 | 13.483 | Y | Y | | | -1.57 | 25.328 | 5.572 |
| 0619 | 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | 19.2 | 16.7 | Y | Y | | | -1.32 | 25.328 | 5.572 |
| 0066 | 600.13 | Total Aflatoxin (ppb) | r-Biopharm Ridascreen FAST Afl SC | 17.6 | 19.2 | Y | Y | | | -1.24 | 25.328 | 5.572 |
| 0590 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 19.9 | 21.3 | Y | Y | | | -0.85 | 25.328 | 5.572 |
| 0033 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 21.2 | 20.5 | Y | Y | | | -0.80 | 25.328 | 5.572 |
| 2050 | 600.98 | Total Aflatoxin (ppb) | Other Rapid Test Kit | 21.5 | 21.7 | Y | Y | | | -0.67 | 25.328 | 5.572 |
| 2098 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 22.9 | 21.4 | Y | Y | | | -0.57 | 25.328 | 5.572 |
| 0208 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 20 | 25.2 | Y | Y | | | -0.49 | 25.328 | 5.572 |
| 0407 | 600.13 | Total Aflatoxin (ppb) | r-Biopharm Ridascreen FAST Afl SC | 23.057 | 23.36 | Y | Y | | | -0.38 | 25.328 | 5.572 |
| 0529 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 22 | 24.7 | Y | Y | | | -0.35 | 25.328 | 5.572 |
| 0870 | 600.98 | Total Aflatoxin (ppb) | Other Rapid Test Kit | 23.8 | 23.1 | Y | Y | | | -0.34 | 25.328 | 5.572 |
| 0035 | 600.13 | Total Aflatoxin (ppb) | r-Biopharm Ridascreen FAST Afl SC | 23.64 | 23.39 | Y | Y | | | -0.33 | 25.328 | 5.572 |
| 2169 | 600.98 | Total Aflatoxin (ppb) | Other Rapid Test Kit | 24.6 | 22.8 | Y | Y | | | -0.29 | 25.328 | 5.572 |
| 2096 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 27.8 | 22 | Y | Y | | | -0.08 | 25.328 | 5.572 |
| 0045 | 600.04 | Total Aflatoxin (ppb) | Charm ROSA Fast 5 Aflatoxin Quant | 26 | 24 | Y | Y | | | -0.06 | 25.328 | 5.572 |
| 0003 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 26.6 | 24.3 | Y | Y | | | 0.02 | 25.328 | 5.572 |
| 0227 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 21 | 30 | Y | Y | | | 0.03 | 25.328 | 5.572 |
| 2164 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 24.8 | 26.9 | Y | Y | | | 0.09 | 25.328 | 5.572 |
| 2113 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 26 | 26 | Y | Y | | | 0.12 | 25.328 | 5.572 |
| 0004 | 600.14 | Total Aflatoxin (ppb) | Vicam Aflatest | 24 | 28 | Y | Y | | | 0.12 | 25.328 | 5.572 |
| 0098 | 600.21 | Total Aflatoxin (ppb) | LC-PCD FI | 26.45 | 28.19 | Y | Y | | | 0.36 | 25.328 | 5.572 |
| 0297 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 27.2 | 27.5 | Y | Y | | | 0.36 | 25.328 | 5.572 |
| 0964 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 29 | 27.4 | Y | Y | | | 0.52 | 25.328 | 5.572 |
| 0554 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 29.4 | 30.9 | Y | Y | | | 0.87 | 25.328 | 5.572 |
| 0034 | 600.01 | Total Aflatoxin (ppb) | Neogen Veratox Aflatoxin | 31.2 | 31.65 | Y | Y | | | 1.09 | 25.328 | 5.572 |
| 0226 | 600.20 | Total Aflatoxin (ppb) | LC | 36 | 34.4 | Y | Y | | | 1.77 | 25.328 | 5.572 |
| 0042 | 600.20 | Total Aflatoxin (ppb) | LC | 38.76 | 33.58 | Y | Y | | | 1.95 | 25.328 | 5.572 |
| 0964 | 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | 48.2 | 47.9 | Y | Y | | | 4.08 | 25.328 | 5.572 |
| 0009 | 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | 54.99 | 50.5 | Y | Y | | | 4.92 | 25.328 | 5.572 |
| 0910 | 600.21 | Total Aflatoxin (ppb) | LC-PCD FI | 64.88 | 53.78 | Y | Y | | | 6.10 | 25.328 | 5.572 |
| 0218 | 600.24 | Total Aflatoxin (ppb) | LC-MS/MS | 59.6 | 62.9 | Y | Y | | | 6.45 | 25.328 | 5.572 |
| 0027 | 601.21 | AB1 (ppb) | LC-PCD FI | 17.529 | 11.989 | Y | Y | | | -2.78 | 38.012 | 8.363 |
| 0619 | 601.23 | AB1 (ppb) | LC-MS/MS | 17.7 | 15.3 | Y | Y | | | -2.57 | 38.012 | 8.363 |

| Lab # | Code | Analyte | Method | Result 1 | Result 2 | Detect ? | | LOD | Probability of Detection | Z Score | Assigned Value | Horwitz |
|-------|--------|-----------|-----------------------|----------|----------|----------|----|-------|--------------------------|---------|----------------|---------|
| | | | | | | D1 | D2 | | | | | |
| 0098 | 601.21 | AB1 (ppb) | LC-PCD FI | 23.46 | 24.31 | Y | Y | | | -1.69 | 38.012 | 8.363 |
| 0870 | 601.23 | AB1 (ppb) | LC-MS/MS | 25.34 | 25.48 | Y | Y | | | -1.51 | 38.012 | 8.363 |
| 2033 | 601.23 | AB1 (ppb) | LC-MS/MS | 32.4 | 30.4 | Y | Y | | | -0.79 | 38.012 | 8.363 |
| 0226 | 601.24 | AB1 (ppb) | Vicam Aflatest, LC-FI | 32.8 | 31.3 | Y | Y | | | -0.71 | 38.012 | 8.363 |
| 0028 | 601.23 | AB1 (ppb) | LC-MS/MS | 36.89 | 33.62 | Y | Y | | | -0.33 | 38.012 | 8.363 |
| 0918 | 601.23 | AB1 (ppb) | LC-MS/MS | 36.2 | 38.6 | Y | Y | | | -0.07 | 38.012 | 8.363 |
| 2023 | 601.23 | AB1 (ppb) | LC-MS/MS | [14.4] | □ | Y | N | | | | 38.012 | 8.363 |
| 0964 | 601.23 | AB1 (ppb) | LC-MS/MS | 38.6 | 38.7 | Y | Y | | | 0.08 | 38.012 | 8.363 |
| 0009 | 601.23 | AB1 (ppb) | LC-MS/MS | 51.48 | 46.98 | Y | Y | | | 1.34 | 38.012 | 8.363 |
| 0913 | 601.23 | AB1 (ppb) | LC-MS/MS | 51.79 | 52.93 | Y | Y | | | 1.72 | 38.012 | 8.363 |
| 0910 | 601.21 | AB1 (ppb) | LC-PCD FI | 60.38 | 49.75 | Y | Y | | | 2.04 | 38.012 | 8.363 |
| 2140 | 601.23 | AB1 (ppb) | LC-MS/MS | 55 | 57 | Y | Y | | | 2.15 | 38.012 | 8.363 |
| 2053 | 601.24 | AB1 (ppb) | Vicam Aflatest, LC-FI | 137 | 121 | Y | Y | | | 10.88 | 38.012 | 8.363 |
| 0619 | 602.23 | AB2 (ppb) | LC-MS/MS | 1.52 | 1.32 | Y | Y | | | -2.62 | 3.353 | 0.738 |
| 0027 | 602.21 | AB2 (ppb) | LC-PCD FI | 2.103 | 1.494 | Y | Y | | | -2.11 | 3.353 | 0.738 |
| 0870 | 602.23 | AB2 (ppb) | LC-MS/MS | 2.06 | 2.16 | Y | Y | | | -1.69 | 3.353 | 0.738 |
| 2033 | 602.23 | AB2 (ppb) | LC-MS/MS | 2.2 | 2.6 | Y | Y | | | -1.29 | 3.353 | 0.738 |
| 0918 | 602.23 | AB2 (ppb) | LC-MS/MS | 2.19 | 2.86 | Y | Y | | | -1.12 | 3.353 | 0.738 |
| 0226 | 602.24 | AB2 (ppb) | Vicam Aflatest, LC-FI | 3.2 | 3.1 | Y | Y | | | -0.28 | 3.353 | 0.738 |
| 2023 | 602.23 | AB2 (ppb) | LC-MS/MS | [1] | □ | Y | N | | | | 3.353 | 0.738 |
| 0098 | 602.21 | AB2 (ppb) | LC-PCD FI | 2.99 | 3.88 | Y | Y | | | 0.11 | 3.353 | 0.738 |
| 0009 | 602.23 | AB2 (ppb) | LC-MS/MS | 3.51 | 3.52 | Y | Y | | | 0.22 | 3.353 | 0.738 |
| 0913 | 602.23 | AB2 (ppb) | LC-MS/MS | 4.11 | 4.2 | Y | Y | | | 1.09 | 3.353 | 0.738 |
| 0910 | 602.21 | AB2 (ppb) | LC-PCD FI | 4.29 | 4.03 | Y | Y | | | 1.09 | 3.353 | 0.738 |
| 0964 | 602.23 | AB2 (ppb) | LC-MS/MS | 9.6 | 9.2 | Y | Y | | | 8.20 | 3.353 | 0.738 |
| 2053 | 602.24 | AB2 (ppb) | Vicam Aflatest, LC-FI | 14.6 | 11.6 | Y | Y | | | 13.21 | 3.353 | 0.738 |
| 2140 | 602.23 | AB2 (ppb) | LC-MS/MS | | | N | N | 20 | 0.00% | NoZ | 3.353 | 0.738 |
| 0098 | 603.21 | AG1 (ppb) | LC-PCD FI | | | N | N | 15 | | | ND | |
| 0910 | 603.21 | AG1 (ppb) | LC-PCD FI | 0.21 | | Y | N | 0.01 | | | ND | |
| 0009 | 603.23 | AG1 (ppb) | LC-MS/MS | | | N | N | 1.05 | | | ND | |
| 0619 | 603.23 | AG1 (ppb) | LC-MS/MS | | | N | N | 0.9 | | | ND | |
| 0870 | 603.23 | AG1 (ppb) | LC-MS/MS | | | N | N | 0.6 | | | ND | |
| 0913 | 603.23 | AG1 (ppb) | LC-MS/MS | | | N | N | 1 | | | ND | |
| 0918 | 603.23 | AG1 (ppb) | LC-MS/MS | | | N | N | 0.1 | | | ND | |
| 0964 | 603.23 | AG1 (ppb) | LC-MS/MS | | | N | N | 0.782 | | | ND | |
| 2023 | 603.23 | AG1 (ppb) | LC-MS/MS | | | N | N | 0.7 | | | ND | |
| 2033 | 603.23 | AG1 (ppb) | LC-MS/MS | | | N | N | 1 | | | ND | |
| 2140 | 603.23 | AG1 (ppb) | LC-MS/MS | | | N | N | 20 | | | ND | |
| 0226 | 603.24 | AG1 (ppb) | Vicam Aflatest, LC-FI | | | N | N | 2 | | | ND | |
| 2053 | 603.24 | AG1 (ppb) | Vicam Aflatest, LC-FI | | | N | N | 0.5 | | | ND | |
| 0098 | 604.21 | AG2 (ppb) | LC-PCD FI | | | N | N | 5 | | | ND | |
| 0910 | 604.21 | AG2 (ppb) | LC-PCD FI | | | N | N | 0.01 | | | ND | |
| 0009 | 604.23 | AG2 (ppb) | LC-MS/MS | | | N | N | 1.07 | | | ND | |
| 0619 | 604.23 | AG2 (ppb) | LC-MS/MS | | | N | N | 0.8 | | | ND | |
| 0870 | 604.23 | AG2 (ppb) | LC-MS/MS | | | N | N | 0.6 | | | ND | |

| Lab # | Code | Analyte | Method | Result 1 | Result 2 | Detect ? | | LOD | Probability of Detection | Z Score | Assigned Value | Horwitz |
|-------|--------|----------------------|----------------------------------|----------|----------|----------|----|-------|--------------------------|---------|----------------|---------|
| | | | | | | D1 | D2 | | | | | |
| 0913 | 604.23 | AG2 (ppb) | LC-MS/MS | | | N | N | 1 | | | ND | |
| 0918 | 604.23 | AG2 (ppb) | LC-MS/MS | | | N | N | 0.03 | | | ND | |
| 0964 | 604.23 | AG2 (ppb) | LC-MS/MS | | | N | N | 0.391 | | | ND | |
| 2023 | 604.23 | AG2 (ppb) | LC-MS/MS | | | N | N | 0.9 | | | ND | |
| 2033 | 604.23 | AG2 (ppb) | LC-MS/MS | | | N | N | 1 | | | ND | |
| 2140 | 604.23 | AG2 (ppb) | LC-MS/MS | | | N | N | 20 | | | ND | |
| 0226 | 604.24 | AG2 (ppb) | Vicam Aflatest, LC-FI | | | N | N | 1 | | | ND | |
| 2053 | 604.24 | AG2 (ppb) | Vicam Aflatest, LC-FI | | | N | N | 0.5 | | | ND | |
| 0554 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | [2.5] | [3.2] | Y | Y | | | -7.29 | 2,805 | 384.2 |
| 0870 | 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | [3.15] | [2.9] | Y | Y | | | -7.29 | 2,805 | 384.2 |
| 0870 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | [3.6] | [3.1] | Y | Y | | | -7.29 | 2,805 | 384.2 |
| 0870 | 610.98 | Deoxynivalenol (ppb) | Other Rapid Test Kit | [3.8] | [3.2] | Y | Y | | | -7.29 | 2,805 | 384.2 |
| 0028 | 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | 1,435 | 1,813 | Y | Y | | | -3.07 | 2,805 | 384.2 |
| 0964 | 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | 2,100 | 1,866 | Y | Y | | | -2.14 | 2,805 | 384.2 |
| 0045 | 610.04 | Deoxynivalenol (ppb) | Charm ROSA Fast 5 DON Quant | 2,300 | 1,800 | Y | Y | | | -1.97 | 2,805 | 384.2 |
| 0413 | 610.20 | Deoxynivalenol (ppb) | LC | 2,200 | 2,100 | Y | Y | | | -1.71 | 2,805 | 384.2 |
| 2050 | 610.98 | Deoxynivalenol (ppb) | Other Rapid Test Kit | 2,200 | 2,200 | Y | Y | | | -1.58 | 2,805 | 384.2 |
| 0218 | 610.25 | Deoxynivalenol (ppb) | GC-MS | 2,472 | 2,263 | Y | Y | | | -1.14 | 2,805 | 384.2 |
| 0918 | 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | 2,350 | 2,410 | Y | Y | | | -1.11 | 2,805 | 384.2 |
| 0619 | 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | 2,721 | 2,138 | Y | Y | | | -0.98 | 2,805 | 384.2 |
| 0098 | 610.20 | Deoxynivalenol (ppb) | LC | 2,400 | 2,600 | Y | Y | | | -0.79 | 2,805 | 384.2 |
| 2140 | 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | 2,768 | 2,477 | Y | Y | | | -0.48 | 2,805 | 384.2 |
| 0226 | 610.09 | Deoxynivalenol (ppb) | Vicam DON-V | 2,600 | 2,700 | Y | Y | | | -0.40 | 2,805 | 384.2 |
| 0033 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 2,600 | 2,800 | Y | Y | | | -0.27 | 2,805 | 384.2 |
| 0413 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 2,600 | 2,800 | Y | Y | | | -0.27 | 2,805 | 384.2 |
| 0027 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 2,900 | 2,600 | Y | Y | | | -0.14 | 2,805 | 384.2 |
| 2033 | 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | 2,817 | 2,691 | Y | Y | | | -0.13 | 2,805 | 384.2 |
| 0003 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 2,700 | 2,900 | Y | Y | | | -0.01 | 2,805 | 384.2 |
| 2169 | 610.98 | Deoxynivalenol (ppb) | Other Rapid Test Kit | 2,800 | 2,800 | Y | Y | | | -0.01 | 2,805 | 384.2 |
| 2023 | 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | [910] | □ | Y | N | | | | 2,805 | 384.2 |
| 0297 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 3,000 | 2,700 | Y | Y | | | 0.12 | 2,805 | 384.2 |
| 2164 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 2,900 | 2,800 | Y | Y | | | 0.12 | 2,805 | 384.2 |
| 0407 | 610.07 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON | 2,755 | 2,994 | Y | Y | | | 0.18 | 2,805 | 384.2 |
| 0590 | 610.07 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON | 2,950 | 2,840 | Y | Y | | | 0.23 | 2,805 | 384.2 |
| 0227 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 2,900 | 2,900 | Y | Y | | | 0.25 | 2,805 | 384.2 |
| 0208 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 2,930 | 2,880 | Y | Y | | | 0.26 | 2,805 | 384.2 |
| 0964 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 2,900 | 3,000 | Y | Y | | | 0.38 | 2,805 | 384.2 |
| 0066 | 610.08 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON S | 2,775 | 3,178 | Y | Y | | | 0.45 | 2,805 | 384.2 |
| 0202 | 610.06 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen DON | 2,822 | 3,200 | Y | Y | | | 0.54 | 2,805 | 384.2 |
| 2129 | 610.07 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON | 2,924 | 3,106 | Y | Y | | | 0.55 | 2,805 | 384.2 |
| 0035 | 610.08 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON S | 3,190 | 3,040 | Y | Y | | | 0.81 | 2,805 | 384.2 |
| 0913 | 610.23 | Deoxynivalenol (ppb) | LC-MS/MS | 2,970 | 3,310 | Y | Y | | | 0.87 | 2,805 | 384.2 |
| 0529 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 3,200 | 3,300 | Y | Y | | | 1.16 | 2,805 | 384.2 |
| 2113 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 3,100 | 3,700 | Y | Y | | | 1.55 | 2,805 | 384.2 |
| 0910 | 610.20 | Deoxynivalenol (ppb) | LC | 3,340 | 3,510 | Y | Y | | | 1.61 | 2,805 | 384.2 |

| Lab # | Code | Analyte | Method | Result 1 | Result 2 | Detect ? | | LOD | Probability of Detection | Z Score | Assigned Value | Horwitz |
|-------|--------|-----------------------|---------------------------------|----------|----------|----------|----|------|--------------------------|---------|----------------|---------|
| | | | | | | D1 | D2 | | | | | |
| 2098 | 610.01 | Deoxynivalenol (ppb) | Neogen Veratox for DON | 3,200 | 3,800 | Y | Y | | | 1.81 | 2,805 | 384.2 |
| 2066 | 610.07 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON | 3,490 | 3,530 | Y | Y | | | 1.83 | 2,805 | 384.2 |
| 0009 | 610.07 | Deoxynivalenol (ppb) | r-Biopharm Ridascreen FAST DON | 3,395 | 3,700 | Y | Y | | | 1.93 | 2,805 | 384.2 |
| 0554 | 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | [1.3] | [0.8] | Y | Y | | | -6.46 | 1,248 | 193.1 |
| 0870 | 620.02 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin 5/10 | [1.18] | [1.16] | Y | Y | | | -6.46 | 1,248 | 193.1 |
| 0202 | 620.09 | Total Fumonisin (ppb) | r-Biopharm Ridascreen FAST FUM | 680.3 | 700 | Y | Y | | | -2.89 | 1,248 | 193.1 |
| 0009 | 620.09 | Total Fumonisin (ppb) | r-Biopharm Ridascreen FAST FUM | 700 | 900 | Y | Y | | | -2.32 | 1,248 | 193.1 |
| 2164 | 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | 900 | 800 | Y | Y | | | -2.06 | 1,248 | 193.1 |
| 0226 | 620.21 | Total Fumonisin (ppb) | LC-FI OPA der. | 800 | 900 | Y | Y | | | -2.06 | 1,248 | 193.1 |
| 0045 | 620.04 | Total Fumonisin (ppb) | Charm ROSA Fast 5 FUMQ | 1,100 | 1,100 | Y | Y | | | -0.77 | 1,248 | 193.1 |
| 0098 | 620.11 | Total Fumonisin (ppb) | Vicam Fumonitest | 1,300 | 900 | Y | Y | | | -0.77 | 1,248 | 193.1 |
| 0619 | 620.23 | Total Fumonisin (ppb) | LC-MS/MS | 1,152 | 1,061 | Y | Y | | | -0.73 | 1,248 | 193.1 |
| 2113 | 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | 1,100 | 1,300 | Y | Y | | | -0.25 | 1,248 | 193.1 |
| 0407 | 620.09 | Total Fumonisin (ppb) | r-Biopharm Ridascreen FAST FUM | 1,233 | 1,245 | Y | Y | | | -0.05 | 1,248 | 193.1 |
| 2023 | 620.23 | Total Fumonisin (ppb) | LC-MS/MS | [55] | [] | Y | N | | | | 1,248 | 193.1 |
| 0042 | 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | 1,500 | 1,000 | Y | Y | | | 0.01 | 1,248 | 193.1 |
| 0033 | 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | 1,300 | 1,200 | Y | Y | | | 0.01 | 1,248 | 193.1 |
| 0964 | 620.23 | Total Fumonisin (ppb) | LC-MS/MS | 1,299 | 1,233 | Y | Y | | | 0.09 | 1,248 | 193.1 |
| 2066 | 620.08 | Total Fumonisin (ppb) | r-Biopharm Ridascreen Fumonisin | 1,260 | 1,360 | Y | Y | | | 0.32 | 1,248 | 193.1 |
| 0010 | 620.23 | Total Fumonisin (ppb) | LC-MS/MS | 1,400 | 1,300 | Y | Y | | | 0.53 | 1,248 | 193.1 |
| 2098 | 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | 1,340 | 1,500 | Y | Y | | | 0.89 | 1,248 | 193.1 |
| 0027 | 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | 1,620 | 1,230 | Y | Y | | | 0.92 | 1,248 | 193.1 |
| 0035 | 620.09 | Total Fumonisin (ppb) | r-Biopharm Ridascreen FAST FUM | 1,430 | 1,490 | Y | Y | | | 1.10 | 1,248 | 193.1 |
| 2129 | 620.09 | Total Fumonisin (ppb) | r-Biopharm Ridascreen FAST FUM | 1,444 | 1,525 | Y | Y | | | 1.23 | 1,248 | 193.1 |
| 0208 | 620.20 | Total Fumonisin (ppb) | LC | 1,600 | 1,600 | Y | Y | | | 1.82 | 1,248 | 193.1 |
| 0529 | 620.02 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin 5/10 | 1,600 | 1,700 | Y | Y | | | 2.08 | 1,248 | 193.1 |
| 0066 | 620.09 | Total Fumonisin (ppb) | r-Biopharm Ridascreen FAST FUM | 1,975 | 1,753 | Y | Y | | | 3.19 | 1,248 | 193.1 |
| 0227 | 620.01 | Total Fumonisin (ppb) | Neogen Veratox Fumonisin | | | N | N | 1000 | 90.05% | NoZ | 1,248 | 193.1 |
| 0870 | 621.23 | FB1 (ppb) | LC-MS/MS | [1.26] | [1.11] | Y | Y | | | -6.07 | 828.9 | 136.4 |
| 0913 | 621.23 | FB1 (ppb) | LC-MS/MS | 79 | 73 | Y | Y | | | -5.52 | 828.9 | 136.4 |
| 0226 | 621.21 | FB1 (ppb) | LC-FI OPA der. | 500 | 600 | Y | Y | | | -2.04 | 828.9 | 136.4 |
| 2053 | 621.22 | FB1 (ppb) | LC-MS | 635 | 629 | Y | Y | | | -1.44 | 828.9 | 136.4 |
| 2033 | 621.23 | FB1 (ppb) | LC-MS/MS | 813 | 792 | Y | Y | | | -0.19 | 828.9 | 136.4 |
| 0964 | 621.23 | FB1 (ppb) | LC-MS/MS | 974 | 915.3 | Y | Y | | | 0.85 | 828.9 | 136.4 |
| 0619 | 621.23 | FB1 (ppb) | LC-MS/MS | 983 | 917 | Y | Y | | | 0.89 | 828.9 | 136.4 |
| 0218 | 621.23 | FB1 (ppb) | LC-MS/MS | 995 | 1,000 | Y | Y | | | 1.24 | 828.9 | 136.4 |
| 0098 | 621.20 | FB1 (ppb) | LC | 1,100 | 900 | Y | Y | | | 1.25 | 828.9 | 136.4 |
| 2140 | 621.23 | FB1 (ppb) | LC-MS/MS | 1,317 | 1,059 | Y | Y | | | 2.63 | 828.9 | 136.4 |
| 0870 | 622.23 | FB2 (ppb) | LC-MS/MS | [0.2] | [0.18] | Y | Y | | | -4.90 | 200.6 | 40.871 |
| 0913 | 622.23 | FB2 (ppb) | LC-MS/MS | 13 | 15 | Y | Y | | | -4.57 | 200.6 | 40.871 |
| 2053 | 622.22 | FB2 (ppb) | LC-MS | 141 | 127 | Y | Y | | | -1.63 | 200.6 | 40.871 |
| 0218 | 622.23 | FB2 (ppb) | LC-MS/MS | 154 | 153 | Y | Y | | | -1.15 | 200.6 | 40.871 |
| 0619 | 622.23 | FB2 (ppb) | LC-MS/MS | 169 | 144 | Y | Y | | | -1.08 | 200.6 | 40.871 |
| 0098 | 622.20 | FB2 (ppb) | LC | 200 | | Y | N | 200 | 50.62% | -0.02 | 200.6 | 40.871 |
| 2033 | 622.23 | FB2 (ppb) | LC-MS/MS | 226 | 251 | Y | Y | | | 0.93 | 200.6 | 40.871 |

| Lab # | Code | Analyte | Method | Result 1 | Result 2 | Detect ? | | LOD | Probability of Detection | Z Score | Assigned Value | Horwitz |
|-------|--------|--------------------|------------------------------------|----------|----------|----------|----|------|--------------------------|---------|----------------|---------|
| | | | | | | D1 | D2 | | | | | |
| 2140 | 622.23 | FB2 (ppb) | LC-MS/MS | 305 | 227 | Y | Y | | | 1.60 | 200.6 | 40.871 |
| 0226 | 622.21 | FB2 (ppb) | LC-FI OPA der. | 300 | 300 | Y | Y | | | 2.43 | 200.6 | 40.871 |
| 0964 | 622.23 | FB2 (ppb) | LC-MS/MS | 325 | 317 | Y | Y | | | 2.95 | 200.6 | 40.871 |
| 0870 | 623.23 | FB3 (ppb) | LC-MS/MS | [0.15] | [0.14] | Y | Y | | | -4.54 | 72.667 | 15.987 |
| 0913 | 623.23 | FB3 (ppb) | LC-MS/MS | 12 | 12 | Y | Y | | | -3.79 | 72.667 | 15.987 |
| 2053 | 623.22 | FB3 (ppb) | LC-MS | 91 | 86 | Y | Y | | | 0.99 | 72.667 | 15.987 |
| 2033 | 623.23 | FB3 (ppb) | LC-MS/MS | 102 | 133 | Y | Y | | | 2.80 | 72.667 | 15.987 |
| 0226 | 623.21 | FB3 (ppb) | LC-FI OPA der. | | | N | N | 400 | 0.00% | NoZ | 72.667 | 15.987 |
| 0529 | 630.01 | Ochratoxin A (ppb) | Neogen Veratox Ochratoxin | 3.3 | 3.2 | Y | Y | | | -3.66 | 16.719 | 3.678 |
| 0003 | 630.01 | Ochratoxin A (ppb) | Neogen Veratox Ochratoxin | 7.2 | 4.8 | Y | Y | | | -2.91 | 16.719 | 3.678 |
| 2164 | 630.01 | Ochratoxin A (ppb) | Neogen Veratox Ochratoxin | 6.2 | 5.9 | Y | Y | | | -2.90 | 16.719 | 3.678 |
| 0227 | 630.01 | Ochratoxin A (ppb) | Neogen Veratox Ochratoxin | 4 | 10 | Y | Y | | | -2.64 | 16.719 | 3.678 |
| 0918 | 630.23 | Ochratoxin A (ppb) | LC-MS/MS | 10 | 9.4 | Y | Y | | | -1.91 | 16.719 | 3.678 |
| 0910 | 630.21 | Ochratoxin A (ppb) | LC-PCD FI | 11.8 | 10.8 | Y | Y | | | -1.47 | 16.719 | 3.678 |
| 0913 | 630.23 | Ochratoxin A (ppb) | LC-MS/MS | 15.97 | 11.18 | Y | Y | | | -0.85 | 16.719 | 3.678 |
| 0619 | 630.23 | Ochratoxin A (ppb) | LC-MS/MS | 12.3 | 15 | Y | Y | | | -0.83 | 16.719 | 3.678 |
| 0870 | 630.23 | Ochratoxin A (ppb) | LC-MS/MS | 15.59 | 12.16 | Y | Y | | | -0.77 | 16.719 | 3.678 |
| 0218 | 630.23 | Ochratoxin A (ppb) | LC-MS/MS | 15 | 14 | Y | Y | | | -0.60 | 16.719 | 3.678 |
| 0870 | 630.98 | Ochratoxin A (ppb) | Other Rapid Test Kit | 16.9 | 14.8 | Y | Y | | | -0.24 | 16.719 | 3.678 |
| 2023 | 630.23 | Ochratoxin A (ppb) | LC-MS/MS | [7.5] | [] | Y | N | | | | 16.719 | 3.678 |
| 2033 | 630.23 | Ochratoxin A (ppb) | LC-MS/MS | 17 | 17 | Y | Y | | | 0.08 | 16.719 | 3.678 |
| 0964 | 630.23 | Ochratoxin A (ppb) | LC-MS/MS | 18.7 | 17.2 | Y | Y | | | 0.33 | 16.719 | 3.678 |
| 2140 | 630.23 | Ochratoxin A (ppb) | LC-MS/MS | 16 | 20 | Y | Y | | | 0.35 | 16.719 | 3.678 |
| 0066 | 630.05 | Ochratoxin A (ppb) | r-Biopharm Ridascreen FAST Och A | 20 | 17.6 | Y | Y | | | 0.57 | 16.719 | 3.678 |
| 0407 | 630.05 | Ochratoxin A (ppb) | r-Biopharm Ridascreen FAST Och A | 19.57 | 19.71 | Y | Y | | | 0.79 | 16.719 | 3.678 |
| 2066 | 630.04 | Ochratoxin A (ppb) | r-Biopharm Ridascreen Ochratoxin A | 23.05 | 21.69 | Y | Y | | | 1.54 | 16.719 | 3.678 |
| 2066 | 630.20 | Ochratoxin A (ppb) | LC | 22.8 | 23.2 | Y | Y | | | 1.71 | 16.719 | 3.678 |
| 0964 | 630.01 | Ochratoxin A (ppb) | Neogen Veratox Ochratoxin | 26.9 | 25.7 | Y | Y | | | 2.60 | 16.719 | 3.678 |
| 0098 | 630.20 | Ochratoxin A (ppb) | LC | 28.6 | 30.5 | Y | Y | | | 3.49 | 16.719 | 3.678 |
| 2129 | 630.05 | Ochratoxin A (ppb) | r-Biopharm Ridascreen FAST Och A | 35.3 | 36.3 | Y | Y | | | 5.19 | 16.719 | 3.678 |
| 2098 | 630.01 | Ochratoxin A (ppb) | Neogen Veratox Ochratoxin | 67.2 | 70.8 | Y | Y | | | 14.21 | 16.719 | 3.678 |
| 0226 | 630.06 | Ochratoxin A (ppb) | Vicam OchraTest | | | N | N | 46 | 0.00% | NoZ | 16.719 | 3.678 |
| 0910 | 640.21 | T-2 (ppb) | LC-PCD FI | 110.3 | 109.9 | Y | Y | | | -2.75 | 241.7 | 47.871 |
| 0202 | 640.05 | T-2 (ppb) | r-Biopharm Ridascreen FAST T-2 | 134.3 | 152.7 | Y | Y | | | -2.05 | 241.7 | 47.871 |
| 0918 | 640.23 | T-2 (ppb) | LC-MS/MS | 156 | 164 | Y | Y | | | -1.71 | 241.7 | 47.871 |
| 2140 | 640.23 | T-2 (ppb) | LC-MS/MS | 217 | 240 | Y | Y | | | -0.28 | 241.7 | 47.871 |
| 0619 | 640.23 | T-2 (ppb) | LC-MS/MS | 252 | 216 | Y | Y | | | -0.16 | 241.7 | 47.871 |
| 0913 | 640.23 | T-2 (ppb) | LC-MS/MS | 220.8 | 271 | Y | Y | | | 0.09 | 241.7 | 47.871 |
| 0870 | 640.23 | T-2 (ppb) | LC-MS/MS | 237.3 | 258.4 | Y | Y | | | 0.13 | 241.7 | 47.871 |
| 0218 | 640.23 | T-2 (ppb) | LC-MS/MS | 257 | 259 | Y | Y | | | 0.34 | 241.7 | 47.871 |
| 2033 | 640.23 | T-2 (ppb) | LC-MS/MS | 286 | 244 | Y | Y | | | 0.49 | 241.7 | 47.871 |
| 0407 | 640.05 | T-2 (ppb) | r-Biopharm Ridascreen FAST T-2 | 275 | 278.6 | Y | Y | | | 0.73 | 241.7 | 47.871 |
| 2129 | 640.05 | T-2 (ppb) | r-Biopharm Ridascreen FAST T-2 | 354.4 | 358.4 | Y | Y | | | 2.40 | 241.7 | 47.871 |
| 0066 | 640.03 | T-2 (ppb) | Romer AgraQuant T-2 | 433.6 | 396.7 | Y | Y | | | 3.62 | 241.7 | 47.871 |
| 0964 | 640.23 | T-2 (ppb) | LC-MS/MS | | | N | N | 78.2 | 99.97% | NoZ | 241.7 | 47.871 |

| Lab # | Code | Analyte | Method | Result 1 | Result 2 | Detect ? | | LOD | Probability of Detection | Z Score | Assigned Value | Horwitz |
|-------|--------|-------------------|-----------------------------------|----------|----------|----------|----|------|--------------------------|---------|----------------|---------|
| | | | | | | D1 | D2 | | | | | |
| 0910 | 641.21 | HT-2 (ppb) | LC post-col photochem der. FI | 35 | 37 | Y | Y | | | -2.75 | 90.897 | 19.997 |
| 0913 | 641.23 | HT-2 (ppb) | LC-MS/MS | 74.71 | 93.29 | Y | Y | | | -0.34 | 90.897 | 19.997 |
| 0870 | 641.23 | HT-2 (ppb) | LC-MS/MS | 89.41 | 87.79 | Y | Y | | | -0.11 | 90.897 | 19.997 |
| 0218 | 641.23 | HT-2 (ppb) | LC-MS/MS | 93 | 97 | Y | Y | | | 0.21 | 90.897 | 19.997 |
| 0619 | 641.23 | HT-2 (ppb) | LC-MS/MS | 110 | 106 | Y | Y | | | 0.86 | 90.897 | 19.997 |
| 2140 | 641.23 | HT-2 (ppb) | LC-MS/MS | 133 | 132 | Y | Y | | | 2.08 | 90.897 | 19.997 |
| 0964 | 641.23 | HT-2 (ppb) | LC-MS/MS | | | N | N | 78.2 | 73.73% | NoZ | 90.897 | 19.997 |
| 0590 | 642.98 | T-2 + HT-2 (ppb) | Other Rapid Test Kit | 264 | 232 | Y | Y | | | -3.79 | 690.8 | 116.8 |
| 0529 | 642.21 | T-2 + HT-2 (ppb) | Neogen Veratox T-2 + HT-2 | 481.7 | 488.3 | Y | Y | | | -1.76 | 690.8 | 116.8 |
| 2098 | 642.21 | T-2 + HT-2 (ppb) | Neogen Veratox T-2 + HT-2 | 729.6 | 740.8 | Y | Y | | | 0.38 | 690.8 | 116.8 |
| 0870 | 642.21 | T-2 + HT-2 (ppb) | Neogen Veratox T-2 + HT-2 | 812.5 | 806 | Y | Y | | | 1.01 | 690.8 | 116.8 |
| 0227 | 642.21 | T-2 + HT-2 (ppb) | Neogen Veratox T-2 + HT-2 | 790 | 895 | Y | Y | | | 1.30 | 690.8 | 116.8 |
| 0045 | 642.98 | T-2 + HT-2 (ppb) | Other Rapid Test Kit | 950 | 1,100 | Y | Y | | | 2.86 | 690.8 | 116.8 |
| 0413 | 650.20 | Zearalenone (ppb) | LC | 200 | 230 | Y | Y | | | -3.55 | 564.1 | 98.36 |
| 0202 | 650.06 | Zearalenone (ppb) | r-Biopharm Ridascreen FAST ZON | 227.4 | 266.3 | Y | Y | | | -3.23 | 564.1 | 98.36 |
| 0918 | 650.24 | Zearalenone (ppb) | LC-MS/MS | 280 | 270 | Y | Y | | | -2.94 | 564.1 | 98.36 |
| 0226 | 650.22 | Zearalenone (ppb) | LC-FI, AOCS | 250 | 400 | Y | Y | | | -2.43 | 564.1 | 98.36 |
| 0590 | 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | 298 | 435 | Y | Y | | | -2.01 | 564.1 | 98.36 |
| 0870 | 650.24 | Zearalenone (ppb) | LC-MS/MS | 368.3 | 376.7 | Y | Y | | | -1.95 | 564.1 | 98.36 |
| 0529 | 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | 546 | 457.5 | Y | Y | | | -0.63 | 564.1 | 98.36 |
| 0066 | 650.07 | Zearalenone (ppb) | r-Biopharm Ridascreen FAST ZON SC | 576.1 | 450.3 | Y | Y | | | -0.52 | 564.1 | 98.36 |
| 2129 | 650.06 | Zearalenone (ppb) | r-Biopharm Ridascreen FAST ZON | 519 | 523.4 | Y | Y | | | -0.44 | 564.1 | 98.36 |
| 0964 | 650.23 | Zearalenone (ppb) | LC-MS | 536 | 537 | Y | Y | | | -0.28 | 564.1 | 98.36 |
| 0870 | 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | 558.2 | 551.6 | Y | Y | | | -0.09 | 564.1 | 98.36 |
| 2023 | 650.23 | Zearalenone (ppb) | LC-MS | [86] | [] | Y | N | | | | 564.1 | 98.36 |
| 0003 | 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | 528.7 | 599.9 | Y | Y | | | 0.00 | 564.1 | 98.36 |
| 2098 | 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | 539.2 | 606.8 | Y | Y | | | 0.09 | 564.1 | 98.36 |
| 0045 | 650.02 | Zearalenone (ppb) | Charm ROSA Zearalenone Quant - M | 743 | 411 | Y | Y | | | 0.13 | 564.1 | 98.36 |
| 2033 | 650.24 | Zearalenone (ppb) | LC-MS/MS | 620 | 540 | Y | Y | | | 0.16 | 564.1 | 98.36 |
| 0913 | 650.24 | Zearalenone (ppb) | LC-MS/MS | 617.3 | 570.5 | Y | Y | | | 0.30 | 564.1 | 98.36 |
| 0027 | 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | 551.1 | 657.5 | Y | Y | | | 0.41 | 564.1 | 98.36 |
| 0009 | 650.06 | Zearalenone (ppb) | r-Biopharm Ridascreen FAST ZON | 644 | 606.2 | Y | Y | | | 0.62 | 564.1 | 98.36 |
| 0098 | 650.20 | Zearalenone (ppb) | LC | 620 | 670 | Y | Y | | | 0.82 | 564.1 | 98.36 |
| 0619 | 650.24 | Zearalenone (ppb) | LC-MS/MS | 715 | 609 | Y | Y | | | 1.00 | 564.1 | 98.36 |
| 2164 | 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | 660.1 | 666.7 | Y | Y | | | 1.01 | 564.1 | 98.36 |
| 0218 | 650.24 | Zearalenone (ppb) | LC-MS/MS | 668 | 660 | Y | Y | | | 1.02 | 564.1 | 98.36 |
| 2113 | 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | 650 | 700 | Y | Y | | | 1.13 | 564.1 | 98.36 |
| 0035 | 650.07 | Zearalenone (ppb) | r-Biopharm Ridascreen FAST ZON SC | 721.4 | 669.2 | Y | Y | | | 1.33 | 564.1 | 98.36 |
| 0910 | 650.20 | Zearalenone (ppb) | LC | 650 | 787 | Y | Y | | | 1.57 | 564.1 | 98.36 |
| 2140 | 650.24 | Zearalenone (ppb) | LC-MS/MS | 789 | 683 | Y | Y | | | 1.75 | 564.1 | 98.36 |
| 0964 | 650.01 | Zearalenone (ppb) | Neogen Veratox Zearalenone | 764 | 735 | Y | Y | | | 1.88 | 564.1 | 98.36 |
| 0407 | 650.07 | Zearalenone (ppb) | r-Biopharm Ridascreen FAST ZON SC | 757.8 | 811 | Y | Y | | | 2.24 | 564.1 | 98.36 |

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and > 2 (OK at 95%). If < 6 results used in calculations or only 1 of 2 results detected Z is Grey and Probability of Detection is for the Non-Detect (see documentation). A Red NoZ indicates both results Not Detected with a Probability Of Detecting a single value. Where the Assigned Value is ND then the LOD follows as (LOD) in the Analyte units. An asterix

| Lab # | Code | Analyte | Method | Result 1 | Result 2 | Detect ? | | LOD | Probability of Detection | Z Score | Assigned Value | Horwitz |
|-------|------|---------|--------|----------|----------|----------|----|-----|--------------------------|---------|----------------|---------|
| | | | | | | D1 | D2 | | | | | |

on the Analyte name indicates Reference Lab Value Used as Assigned Value and Z scores are calculated against the reference Lab. Results in square brackets removed from