Table 3 Intra-and Inter-assay Accuracy and Precision

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Run  Date | Curve  Number | LLOQ (100 ng/mL) | LQC (250 ng/mL) | MQC  (600 ng/mL) | HQC (1750 ng/mL) | ULOQ  (2500 ng/mL) |
| 2016/01/19 | 1 | 101 | 236 | 586 | 1680 | 2550 |
| 94.8 | 223 | 530 | 1670 | 2330 |
| 96.8 | 225 | 538 | 1710 | 2350 |
| Intra run Mean | 97.5 | 228 | 551 | 1690 | 2410 |
| Intra run SD | 3.16 | 7.00 | 30.3 | 20.8 | 122 |
| Intra run %CV | 3.2 | 3.1 | 5.5 | 1.2 | 5.1 |
| Intra run %Bias | -2.5 | -8.8 | -8.2 | -3.4 | -3.6 |
| n | 3 | 3 | 3 | 3 | 3 |
| 2016/01/19 | 2 | 80.6 | 200 | 527 | 1740 | 2420 |
| 67.0 | 184 | 494 | 1660 | 2620 |
| 92.6 | 216 | 533 | 1820 | 2710 |
| Intra run Mean | 80.1 | 200 | 518 | 1740 | 2580 |
| Intra run SD | 12.8 | 16.0 | 21.0 | 80.0 | 148 |
| Intra run %CV | 16.0 | 8.0 | 4.1 | 4.6 | 5.7 |
| Intra run %Bias | -19.9 | -20.0 | -13.7 | -0.6 | 3.2 |
| n | 3 | 3 | 3 | 3 | 3 |
| 2016/01/20 | 4 | 116 | 248 | 571 | 1860 | 2640 |
| 110 | 265 | 591 | 1870 | 2660 |
| 109 | 258 | 589 | 1750 | 3040 |
| Intra run Mean | 112 | 257 | 584 | 1830 | 2780 |
| Intra run SD | 3.79 | 8.54 | 11.0 | 66.6 | 225 |
| Intra run %CV | 3.4 | 3.3 | 1.9 | 3.6 | 8.1 |
| Intra run %Bias | 12.0 | 2.8 | -2.7 | 4.6 | 11.2 |
| n | 3 | 3 | 3 | 3 | 3 |
| 2016/01/20 | 5 | 108 | 238 | 579 | 1960 | 2510 |
| 125 | 271 | 649 | 2100 | 2780 |
| 124 | 263 | 617 | 1850 | 2740 |
| Intra run Mean | 119 | 257 | 615 | 1970 | 2680 |
| Intra run SD | 9.54 | 17.2 | 35.0 | 125 | 146 |
| Intra run %CV | 8.0 | 6.7 | 5.7 | 6.3 | 5.4 |
| Intra run %Bias | 19.0 | 2.8 | 2.5 | 12.6 | 7.2 |
| n | 3 | 3 | 3 | 3 | 3 |
| 2016/01/20 | 6 | 104 | 220 | 571 | 1790 | 2300 |
| 106 | 227 | 520 | 1770 | 2400 |
| 105 | 222 | 564 | 1810 | 2520 |
| Intra run Mean | 105 | 223 | 552 | 1790 | 2410 |
| Intra run SD | 1.00 | 3.61 | 27.6 | 20.0 | 110 |
| Intra run %CV | 1.0 | 1.6 | 5.0 | 1.1 | 4.6 |
| Intra run %Bias | 5.0 | -10.8 | -8.0 | 2.3 | -3.6 |
| n | 3 | 3 | 3 | 3 | 3 |
| 2016/01/20 | 7 | 96.2 | 234 | 597 | 1840 | 2750 |
| 102 | 254 | 624 | 1870 | 2580 |
| 109 | 236 | 593 | 1860 | 3080 |
| Intra run Mean | 102 | 241 | 605 | 1860 | 2800 |
| Intra run SD | 6.41 | 11.0 | 16.9 | 15.3 | 254 |
| Intra run %CV | 6.3 | 4.6 | 2.8 | 0.8 | 9.1 |
| Intra run %Bias | 2.0 | -3.6 | 0.8 | 6.3 | 12.0 |
| n | 3 | 3 | 3 | 3 | 3 |
| Mean Concentration Found (ng/mL) | | 103 | 234 | 571 | 1810 | 2610 |
| Inter-run SD | | 14.0 | 22.9 | 40.5 | 109 | 221 |
| Inter-run %CV | | 13.6 | 9.8 | 7.1 | 6.0 | 8.5 |
| Inter-run %Bias | | 3.0 | -6.4 | -4.8 | 3.4 | 4.4 |
| N | | 18 | 18 | 18 | 18 | 18 |