

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE032420\  
 Data File : FE031571.D  
 Signal(s) : FID1B.CH  
 Acq On : 24 Mar 2020 20:11  
 Sample : L2011-01 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\FE031020.M  
 Title :

Signal : FID1B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.158       | 2.125        | 2.318      | BH       | 706            | -64554       | -0.36%         | -0.009%       |
| 2         | 2.329       | 2.318        | 2.358      | PH       | -1070          | -30127       | -0.17%         | -0.004%       |
| 3         | 2.372       | 2.358        | 2.394      | PH       | -1143          | -29223       | -0.16%         | -0.004%       |
| 4         | 2.409       | 2.394        | 2.447      | PH       | -977           | -47874       | -0.27%         | -0.007%       |
| 5         | 2.459       | 2.447        | 2.478      | PH       | -1685          | -34704       | -0.19%         | -0.005%       |
| 6         | 2.511       | 2.478        | 2.571      | PH       | -1540          | -97926       | -0.55%         | -0.013%       |
| 7         | 2.590       | 2.571        | 2.648      | PH       | -1144          | -82037       | -0.46%         | -0.011%       |
| 8         | 2.678       | 2.648        | 2.725      | PH       | -592           | -69064       | -0.39%         | -0.009%       |
| 9         | 2.734       | 2.725        | 2.752      | PH       | -1793          | -30910       | -0.17%         | -0.004%       |
| 10        | 2.764       | 2.752        | 2.812      | PH       | -1968          | -75943       | -0.42%         | -0.010%       |
| 11        | 2.858       | 2.812        | 2.870      | PH       | -1912          | -75238       | -0.42%         | -0.010%       |
| 12        | 2.887       | 2.870        | 2.921      | PH       | -1512          | -60428       | -0.34%         | -0.008%       |
| 13        | 2.937       | 2.921        | 2.988      | PH       | -2215          | -95540       | -0.53%         | -0.013%       |
| 14        | 3.005       | 2.988        | 3.052      | PH       | -2514          | -99676       | -0.56%         | -0.014%       |
| 15        | 3.058       | 3.052        | 3.078      | PH       | -2656          | -43398       | -0.24%         | -0.006%       |
| 16        | 3.084       | 3.078        | 3.102      | PH       | -2752          | -38863       | -0.22%         | -0.005%       |
| 17        | 3.123       | 3.102        | 3.198      | PH       | -1936          | -150309      | -0.84%         | -0.021%       |
| 18        | 3.217       | 3.198        | 3.249      | PH       | -2599          | -85180       | -0.48%         | -0.012%       |
| 19        | 3.259       | 3.249        | 3.275      | PH       | -2880          | -45365       | -0.25%         | -0.006%       |
| 20        | 3.317       | 3.275        | 3.332      | PH       | -2805          | -98779       | -0.55%         | -0.014%       |
| 21        | 3.344       | 3.332        | 3.357      | PH       | -2908          | -43848       | -0.24%         | -0.006%       |
| 22        | 3.375       | 3.357        | 3.388      | PH       | -2763          | -52778       | -0.29%         | -0.007%       |
| 23        | 3.404       | 3.388        | 3.423      | PH       | -2454          | -58554       | -0.33%         | -0.008%       |
| 24        | 3.438       | 3.423        | 3.463      | PH       | -2936          | -71438       | -0.40%         | -0.010%       |
| 25        | 3.487       | 3.463        | 3.510      | PH       | -2666          | -80148       | -0.45%         | -0.011%       |
| 26        | 3.548       | 3.510        | 3.576      | PH       | -2493          | -108946      | -0.61%         | -0.015%       |
| 27        | 3.601       | 3.576        | 3.618      | PH       | -2490          | -67972       | -0.38%         | -0.009%       |
| 28        | 3.637       | 3.618        | 3.659      | PH       | -1828          | -60561       | -0.34%         | -0.008%       |
| 29        | 3.686       | 3.659        | 3.734      | PH       | -2441          | -126276      | -0.71%         | -0.017%       |
| 30        | 3.770       | 3.734        | 3.783      | PH       | -2159          | -76073       | -0.43%         | -0.010%       |
| 31        | 3.795       | 3.783        | 3.818      | PH       | -2387          | -54222       | -0.30%         | -0.007%       |
| 32        | 3.828       | 3.818        | 3.839      | PH       | -2584          | -33987       | -0.19%         | -0.005%       |
| 33        | 3.861       | 3.839        | 3.882      | PH       | -2386          | -67849       | -0.38%         | -0.009%       |
| 34        | 3.898       | 3.882        | 3.907      | PH       | -2636          | -41463       | -0.23%         | -0.006%       |
| 35        | 3.936       | 3.907        | 3.952      | PH       | -1553          | -57521       | -0.32%         | -0.008%       |
| 36        | 3.963       | 3.952        | 3.972      | PH       | -2136          | -25619       | -0.14%         | -0.004%       |

|    |       |       |       |    | rteres |         |        |         |
|----|-------|-------|-------|----|--------|---------|--------|---------|
| 37 | 3.982 | 3.972 | 3.990 | PH | -1991  | -22735  | -0.13% | -0.003% |
| 38 | 3.995 | 3.990 | 4.031 | PH | -2094  | -57187  | -0.32% | -0.008% |
| 39 | 4.069 | 4.031 | 4.092 | PH | -2090  | -86350  | -0.48% | -0.012% |
| 40 | 4.112 | 4.092 | 4.141 | PH | -2221  | -71062  | -0.40% | -0.010% |
| 41 | 4.163 | 4.141 | 4.188 | PH | -1064  | -54604  | -0.31% | -0.008% |
| 42 | 4.225 | 4.188 | 4.248 | PH | -2103  | -80813  | -0.45% | -0.011% |
| 43 | 4.264 | 4.248 | 4.288 | PH | -2185  | -56777  | -0.32% | -0.008% |
| 44 | 4.316 | 4.288 | 4.334 | PH | -1869  | -61208  | -0.34% | -0.008% |
| 45 | 4.351 | 4.334 | 4.361 | PH | -2007  | -33215  | -0.19% | -0.005% |
| 46 | 4.381 | 4.361 | 4.398 | PH | -935   | -31171  | -0.17% | -0.004% |
| 47 | 4.410 | 4.398 | 4.428 | PH | -1099  | -26551  | -0.15% | -0.004% |
| 48 | 4.439 | 4.428 | 4.493 | PH | -1641  | -82328  | -0.46% | -0.011% |
| 49 | 4.509 | 4.493 | 4.517 | PH | -2249  | -34710  | -0.19% | -0.005% |
| 50 | 4.534 | 4.517 | 4.601 | PH | -1798  | -107437 | -0.60% | -0.015% |
| 51 | 4.617 | 4.601 | 4.664 | PH | -2029  | -90923  | -0.51% | -0.012% |
| 52 | 4.684 | 4.664 | 4.695 | PH | -2393  | -47746  | -0.27% | -0.007% |
| 53 | 4.706 | 4.695 | 4.717 | PH | -2515  | -33781  | -0.19% | -0.005% |
| 54 | 4.732 | 4.717 | 4.746 | PH | -2226  | -42288  | -0.24% | -0.006% |
| 55 | 4.767 | 4.746 | 4.781 | PH | -2330  | -51507  | -0.29% | -0.007% |
| 56 | 4.793 | 4.781 | 4.811 | PH | -2290  | -44847  | -0.25% | -0.006% |
| 57 | 4.837 | 4.811 | 4.851 | PH | -1872  | -54967  | -0.31% | -0.008% |
| 58 | 4.873 | 4.851 | 4.927 | PH | -2101  | -103877 | -0.58% | -0.014% |
| 59 | 4.956 | 4.927 | 4.994 | PH | -2022  | -91728  | -0.51% | -0.013% |
| 60 | 5.026 | 4.994 | 5.055 | PH | -1876  | -75555  | -0.42% | -0.010% |
| 61 | 5.070 | 5.055 | 5.115 | PH | -1742  | -76275  | -0.43% | -0.010% |
| 62 | 5.136 | 5.115 | 5.172 | PH | -2227  | -82374  | -0.46% | -0.011% |
| 63 | 5.191 | 5.172 | 5.248 | PH | -303   | -77274  | -0.43% | -0.011% |
| 64 | 5.255 | 5.248 | 5.280 | PH | -2259  | -46332  | -0.26% | -0.006% |
| 65 | 5.302 | 5.280 | 5.322 | PH | -1921  | -56579  | -0.32% | -0.008% |
| 66 | 5.360 | 5.322 | 5.392 | PH | -1686  | -90256  | -0.50% | -0.012% |
| 67 | 5.435 | 5.392 | 5.444 | PH | -2295  | -74761  | -0.42% | -0.010% |
| 68 | 5.467 | 5.444 | 5.478 | PH | -1414  | -37364  | -0.21% | -0.005% |
| 69 | 5.490 | 5.478 | 5.507 | PH | -1412  | -27344  | -0.15% | -0.004% |
| 70 | 5.521 | 5.507 | 5.566 | PH | -1513  | -66187  | -0.37% | -0.009% |
| 71 | 5.574 | 5.566 | 5.613 | PH | -2068  | -63194  | -0.35% | -0.009% |
| 72 | 5.636 | 5.613 | 5.661 | PH | -1825  | -60548  | -0.34% | -0.008% |
| 73 | 5.684 | 5.661 | 5.710 | PH | -1684  | -59967  | -0.34% | -0.008% |
| 74 | 5.738 | 5.710 | 5.799 | PH | 3719   | 2469    | 0.01%  | 0.000%  |
| 75 | 5.818 | 5.799 | 5.842 | PH | -1021  | -31561  | -0.18% | -0.004% |
| 76 | 5.877 | 5.842 | 5.897 | PH | -785   | -36854  | -0.21% | -0.005% |
| 77 | 5.905 | 5.897 | 5.930 | PH | -1189  | -29374  | -0.16% | -0.004% |
| 78 | 5.963 | 5.930 | 5.985 | PH | -1560  | -55167  | -0.31% | -0.008% |
| 79 | 5.993 | 5.985 | 6.006 | PH | -1780  | -23248  | -0.13% | -0.003% |
| 80 | 6.058 | 6.006 | 6.092 | PH | -1271  | -76424  | -0.43% | -0.010% |
| 81 | 6.098 | 6.092 | 6.143 | PH | -1456  | -49801  | -0.28% | -0.007% |
| 82 | 6.166 | 6.143 | 6.215 | PH | -351   | -54480  | -0.30% | -0.007% |
| 83 | 6.240 | 6.215 | 6.267 | PH | -1179  | -47578  | -0.27% | -0.007% |
| 84 | 6.282 | 6.267 | 6.290 | PH | -1489  | -22198  | -0.12% | -0.003% |
| 85 | 6.310 | 6.290 | 6.328 | PH | -250   | -19738  | -0.11% | -0.003% |
| 86 | 6.341 | 6.328 | 6.392 | PH | -681   | -50490  | -0.28% | -0.007% |
| 87 | 6.438 | 6.392 | 6.460 | PH | -1325  | -60178  | -0.34% | -0.008% |
| 88 | 6.478 | 6.460 | 6.492 | PH | -1089  | -25254  | -0.14% | -0.003% |
| 89 | 6.508 | 6.492 | 6.527 | PH | -1149  | -27321  | -0.15% | -0.004% |

|     |       |       |       |    | rteres |        |        |         |
|-----|-------|-------|-------|----|--------|--------|--------|---------|
| 90  | 6.557 | 6.527 | 6.585 | PH | -716   | -37820 | -0.21% | -0.005% |
| 91  | 6.604 | 6.585 | 6.625 | PH | -872   | -26894 | -0.15% | -0.004% |
| 92  | 6.642 | 6.625 | 6.655 | PH | -818   | -18646 | -0.10% | -0.003% |
| 93  | 6.716 | 6.655 | 6.743 | PH | -206   | -32479 | -0.18% | -0.004% |
| 94  | 6.796 | 6.743 | 6.839 | PH | 1785   | 26181  | 0.15%  | 0.004%  |
| 95  | 6.864 | 6.839 | 6.895 | PH | 1315   | 11733  | 0.07%  | 0.002%  |
| 96  | 6.919 | 6.895 | 6.944 | PH | 2709   | 29174  | 0.16%  | 0.004%  |
| 97  | 6.958 | 6.944 | 7.011 | HH | 652    | 6358   | 0.04%  | 0.001%  |
| 98  | 7.037 | 7.011 | 7.050 | PH | 116    | -2287  | -0.01% | -0.000% |
| 99  | 7.085 | 7.050 | 7.148 | PH | 2193   | 21626  | 0.12%  | 0.003%  |
| 100 | 7.157 | 7.148 | 7.180 | PH | -174   | -5237  | -0.03% | -0.001% |
| 101 | 7.211 | 7.180 | 7.232 | PH | 110    | -5549  | -0.03% | -0.001% |
| 102 | 7.253 | 7.232 | 7.281 | PH | 962    | 7455   | 0.04%  | 0.001%  |
| 103 | 7.297 | 7.281 | 7.315 | PH | 93     | -2037  | -0.01% | -0.000% |
| 104 | 7.357 | 7.315 | 7.379 | PH | 804    | 6213   | 0.03%  | 0.001%  |
| 105 | 7.412 | 7.379 | 7.428 | PH | 150    | -3139  | -0.02% | -0.000% |
| 106 | 7.443 | 7.428 | 7.462 | PH | 479    | 2072   | 0.01%  | 0.000%  |
| 107 | 7.503 | 7.462 | 7.522 | PH | 1604   | 25589  | 0.14%  | 0.004%  |
| 108 | 7.544 | 7.522 | 7.577 | HH | 1404   | 32684  | 0.18%  | 0.004%  |
| 109 | 7.611 | 7.577 | 7.622 | HH | 774    | 16386  | 0.09%  | 0.002%  |
| 110 | 7.645 | 7.622 | 7.653 | HH | 1348   | 19827  | 0.11%  | 0.003%  |
| 111 | 7.675 | 7.653 | 7.693 | HH | 2852   | 47256  | 0.26%  | 0.006%  |
| 112 | 7.705 | 7.693 | 7.721 | HH | 2086   | 25305  | 0.14%  | 0.003%  |
| 113 | 7.738 | 7.721 | 7.749 | HH | 1554   | 21689  | 0.12%  | 0.003%  |
| 114 | 7.776 | 7.749 | 7.798 | HH | 4434   | 84479  | 0.47%  | 0.012%  |
| 115 | 7.814 | 7.798 | 7.842 | HH | 2732   | 55276  | 0.31%  | 0.008%  |
| 116 | 7.877 | 7.842 | 7.893 | HH | 5678   | 111238 | 0.62%  | 0.015%  |
| 117 | 7.924 | 7.893 | 7.989 | HH | 35382  | 643169 | 3.59%  | 0.088%  |
| 118 | 8.017 | 7.989 | 8.035 | HH | 20533  | 283874 | 1.59%  | 0.039%  |
| 119 | 8.056 | 8.035 | 8.174 | HH | 39150  | 875655 | 4.89%  | 0.120%  |
| 120 | 8.190 | 8.174 | 8.256 | HH | 3484   | 130533 | 0.73%  | 0.018%  |
| 121 | 8.348 | 8.256 | 8.376 | HH | 27242  | 495277 | 2.77%  | 0.068%  |
| 122 | 8.389 | 8.376 | 8.419 | HH | 7555   | 153321 | 0.86%  | 0.021%  |
| 123 | 8.454 | 8.419 | 8.470 | HH | 5889   | 146432 | 0.82%  | 0.020%  |
| 124 | 8.487 | 8.470 | 8.525 | HH | 6339   | 147116 | 0.82%  | 0.020%  |
| 125 | 8.552 | 8.525 | 8.568 | HH | 4383   | 98682  | 0.55%  | 0.014%  |
| 126 | 8.591 | 8.568 | 8.611 | HH | 6727   | 132391 | 0.74%  | 0.018%  |
| 127 | 8.633 | 8.611 | 8.664 | HH | 9046   | 211197 | 1.18%  | 0.029%  |
| 128 | 8.685 | 8.664 | 8.727 | HH | 7799   | 230648 | 1.29%  | 0.032%  |
| 129 | 8.772 | 8.727 | 8.791 | HH | 9318   | 254146 | 1.42%  | 0.035%  |
| 130 | 8.804 | 8.791 | 8.837 | HH | 7157   | 158372 | 0.88%  | 0.022%  |
| 131 | 8.848 | 8.837 | 8.877 | HH | 4792   | 105066 | 0.59%  | 0.014%  |
| 132 | 8.915 | 8.877 | 8.937 | HH | 7416   | 183650 | 1.03%  | 0.025%  |
| 133 | 8.962 | 8.937 | 8.984 | HH | 6213   | 153580 | 0.86%  | 0.021%  |
| 134 | 9.005 | 8.984 | 9.022 | HH | 6739   | 129181 | 0.72%  | 0.018%  |
| 135 | 9.054 | 9.022 | 9.079 | HH | 7720   | 218373 | 1.22%  | 0.030%  |
| 136 | 9.098 | 9.079 | 9.112 | HH | 6805   | 121797 | 0.68%  | 0.017%  |
| 137 | 9.139 | 9.112 | 9.181 | HH | 23176  | 525680 | 2.94%  | 0.072%  |
| 138 | 9.212 | 9.181 | 9.242 | HH | 10753  | 308845 | 1.73%  | 0.042%  |
| 139 | 9.282 | 9.242 | 9.327 | HH | 12545  | 460348 | 2.57%  | 0.063%  |
| 140 | 9.340 | 9.327 | 9.363 | HH | 8607   | 172782 | 0.97%  | 0.024%  |
| 141 | 9.389 | 9.363 | 9.433 | HH | 8813   | 337776 | 1.89%  | 0.046%  |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.463  | 9.433  | 9.523  | HH | 12232  | 499486  | 2.79%  | 0.069% |
| 143    | 9.552  | 9.523  | 9.591  | HH | 13952  | 450272  | 2.52%  | 0.062% |
| 144    | 9.606  | 9.591  | 9.612  | HH | 9218   | 117046  | 0.65%  | 0.016% |
| 145    | 9.625  | 9.612  | 9.638  | HH | 9636   | 144623  | 0.81%  | 0.020% |
| 146    | 9.648  | 9.638  | 9.672  | HH | 9670   | 182866  | 1.02%  | 0.025% |
| 147    | 9.700  | 9.672  | 9.748  | HH | 14642  | 495203  | 2.77%  | 0.068% |
| 148    | 9.769  | 9.748  | 9.784  | HH | 8637   | 181324  | 1.01%  | 0.025% |
| 149    | 9.805  | 9.784  | 9.822  | HH | 9462   | 201373  | 1.13%  | 0.028% |
| 150    | 9.828  | 9.822  | 9.842  | HH | 8914   | 106165  | 0.59%  | 0.015% |
| 151    | 9.886  | 9.842  | 9.907  | HH | 10644  | 385273  | 2.15%  | 0.053% |
| 152    | 9.934  | 9.907  | 9.963  | HH | 13073  | 393898  | 2.20%  | 0.054% |
| 153    | 9.986  | 9.963  | 9.995  | HH | 13760  | 243670  | 1.36%  | 0.033% |
| 154    | 10.017 | 9.995  | 10.042 | HH | 16654  | 423984  | 2.37%  | 0.058% |
| 155    | 10.064 | 10.042 | 10.098 | HH | 14807  | 444258  | 2.48%  | 0.061% |
| 156    | 10.132 | 10.098 | 10.163 | HH | 17485  | 550034  | 3.07%  | 0.076% |
| 157    | 10.195 | 10.163 | 10.234 | HH | 17382  | 666604  | 3.72%  | 0.092% |
| 158    | 10.255 | 10.234 | 10.267 | HH | 16036  | 311778  | 1.74%  | 0.043% |
| 159    | 10.289 | 10.267 | 10.317 | HH | 20383  | 532361  | 2.97%  | 0.073% |
| 160    | 10.355 | 10.317 | 10.383 | HH | 24333  | 784332  | 4.38%  | 0.108% |
| 161    | 10.392 | 10.383 | 10.399 | HH | 15698  | 149137  | 0.83%  | 0.020% |
| 162    | 10.405 | 10.399 | 10.424 | HH | 15689  | 236027  | 1.32%  | 0.032% |
| 163    | 10.437 | 10.424 | 10.451 | HH | 15429  | 235599  | 1.32%  | 0.032% |
| 164    | 10.532 | 10.451 | 10.581 | HH | 126766 | 2646670 | 14.79% | 0.364% |
| 165    | 10.612 | 10.581 | 10.738 | HH | 70459  | 2495591 | 13.94% | 0.343% |
| 166    | 10.755 | 10.738 | 10.774 | HH | 17647  | 373543  | 2.09%  | 0.051% |
| 167    | 10.785 | 10.774 | 10.797 | HH | 17329  | 235058  | 1.31%  | 0.032% |
| 168    | 10.808 | 10.797 | 10.820 | HH | 17087  | 228331  | 1.28%  | 0.031% |
| 169    | 10.862 | 10.820 | 10.873 | HH | 20654  | 614538  | 3.43%  | 0.084% |
| 170    | 10.878 | 10.873 | 10.890 | HH | 20249  | 206012  | 1.15%  | 0.028% |
| 171    | 10.904 | 10.890 | 10.916 | HH | 21161  | 311059  | 1.74%  | 0.043% |
| 172    | 10.934 | 10.916 | 10.953 | HH | 21253  | 457141  | 2.55%  | 0.063% |
| 173    | 10.989 | 10.953 | 11.011 | HH | 24450  | 734427  | 4.10%  | 0.101% |
| 174    | 11.069 | 11.011 | 11.110 | HH | 29883  | 1373831 | 7.68%  | 0.189% |
| 175    | 11.134 | 11.110 | 11.157 | HH | 22707  | 596433  | 3.33%  | 0.082% |
| 176    | 11.192 | 11.157 | 11.220 | HH | 24960  | 860519  | 4.81%  | 0.118% |
| 177    | 11.234 | 11.220 | 11.248 | HH | 22603  | 365277  | 2.04%  | 0.050% |
| 178    | 11.271 | 11.248 | 11.305 | HH | 22686  | 742867  | 4.15%  | 0.102% |
| 179    | 11.337 | 11.305 | 11.353 | HH | 41293  | 881661  | 4.93%  | 0.121% |
| 180    | 11.370 | 11.353 | 11.412 | HH | 43754  | 1098305 | 6.14%  | 0.151% |
| 181    | 11.447 | 11.412 | 11.471 | HH | 72716  | 1529788 | 8.55%  | 0.210% |
| 182    | 11.485 | 11.471 | 11.499 | HH | 37925  | 580746  | 3.24%  | 0.080% |
| 183    | 11.516 | 11.499 | 11.563 | HH | 42524  | 1206746 | 6.74%  | 0.166% |
| 184    | 11.586 | 11.563 | 11.609 | HH | 26028  | 678009  | 3.79%  | 0.093% |
| 185    | 11.656 | 11.609 | 11.695 | HH | 54585  | 1688614 | 9.43%  | 0.232% |
| 186    | 11.747 | 11.695 | 11.790 | HH | 37768  | 1696589 | 9.48%  | 0.233% |
| 187    | 11.813 | 11.790 | 11.857 | HH | 39906  | 1326489 | 7.41%  | 0.182% |
| 188    | 11.876 | 11.857 | 11.888 | HH | 31445  | 575768  | 3.22%  | 0.079% |
| 189    | 11.926 | 11.888 | 11.982 | HH | 86740  | 2455944 | 13.72% | 0.337% |
| 190    | 12.006 | 11.982 | 12.025 | HH | 32267  | 811826  | 4.54%  | 0.112% |
| 191    | 12.044 | 12.025 | 12.072 | HH | 33579  | 900824  | 5.03%  | 0.124% |
| 192    | 12.085 | 12.072 | 12.109 | HH | 33957  | 719415  | 4.02%  | 0.099% |
| 193    | 12.129 | 12.109 | 12.187 | HH | 36111  | 1500889 | 8.39%  | 0.206% |
| 194    | 12.237 | 12.187 | 12.259 | HH | 51829  | 1737798 | 9.71%  | 0.239% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.299 | 12.259 | 12.325 | HH | 45798  | 1578201 | 8.82%  | 0.217% |
| 196 | 12.353 | 12.325 | 12.424 | HH | 312573 | 5677664 | 31.72% | 0.780% |
| 197 | 12.446 | 12.424 | 12.470 | HH | 41072  | 1011922 | 5.65%  | 0.139% |
| 198 | 12.498 | 12.470 | 12.526 | HH | 45705  | 1342136 | 7.50%  | 0.184% |
| 199 | 12.543 | 12.526 | 12.563 | HH | 44188  | 907870  | 5.07%  | 0.125% |
| 200 | 12.578 | 12.563 | 12.587 | HH | 37702  | 529967  | 2.96%  | 0.073% |
| 201 | 12.603 | 12.587 | 12.620 | HH | 39772  | 761810  | 4.26%  | 0.105% |
| 202 | 12.649 | 12.620 | 12.693 | HH | 270658 | 4709958 | 26.32% | 0.647% |
| 203 | 12.710 | 12.693 | 12.727 | HH | 55988  | 1009391 | 5.64%  | 0.139% |
| 204 | 12.743 | 12.727 | 12.795 | HH | 57562  | 1878938 | 10.50% | 0.258% |
| 205 | 12.830 | 12.795 | 12.857 | HH | 44157  | 1513170 | 8.45%  | 0.208% |
| 206 | 12.876 | 12.857 | 12.887 | HH | 40141  | 705614  | 3.94%  | 0.097% |
| 207 | 12.931 | 12.887 | 12.966 | HH | 59959  | 2231800 | 12.47% | 0.307% |
| 208 | 12.987 | 12.966 | 13.007 | HH | 47141  | 1097623 | 6.13%  | 0.151% |
| 209 | 13.053 | 13.007 | 13.088 | HH | 47038  | 2138873 | 11.95% | 0.294% |
| 210 | 13.117 | 13.088 | 13.132 | HH | 56423  | 1320776 | 7.38%  | 0.181% |
| 211 | 13.151 | 13.132 | 13.198 | HH | 66602  | 2023797 | 11.31% | 0.278% |
| 212 | 13.245 | 13.198 | 13.294 | HH | 85407  | 3272844 | 18.29% | 0.450% |
| 213 | 13.307 | 13.294 | 13.324 | HH | 47436  | 824738  | 4.61%  | 0.113% |
| 214 | 13.351 | 13.324 | 13.373 | HH | 79461  | 1776520 | 9.93%  | 0.244% |
| 215 | 13.392 | 13.373 | 13.455 | HH | 65422  | 2672748 | 14.93% | 0.367% |
| 216 | 13.516 | 13.455 | 13.539 | HH | 69984  | 2985515 | 16.68% | 0.410% |
| 217 | 13.559 | 13.539 | 13.592 | HH | 59406  | 1666888 | 9.31%  | 0.229% |
| 218 | 13.606 | 13.592 | 13.660 | HH | 49854  | 1982617 | 11.08% | 0.272% |
| 219 | 13.691 | 13.660 | 13.708 | HH | 49812  | 1393324 | 7.78%  | 0.191% |
| 220 | 13.726 | 13.708 | 13.737 | HH | 49754  | 841337  | 4.70%  | 0.116% |
| 221 | 13.769 | 13.737 | 13.810 | HH | 50034  | 2160092 | 12.07% | 0.297% |
| 222 | 13.841 | 13.810 | 13.869 | HH | 51941  | 1796887 | 10.04% | 0.247% |
| 223 | 13.959 | 13.869 | 14.028 | HH | 63128  | 5377274 | 30.04% | 0.739% |
| 224 | 14.057 | 14.028 | 14.075 | HH | 68268  | 1733892 | 9.69%  | 0.238% |
| 225 | 14.087 | 14.075 | 14.107 | HH | 62760  | 1178240 | 6.58%  | 0.162% |
| 226 | 14.122 | 14.107 | 14.141 | HH | 62086  | 1207478 | 6.75%  | 0.166% |
| 227 | 14.163 | 14.141 | 14.194 | HH | 72124  | 2067114 | 11.55% | 0.284% |
| 228 | 14.219 | 14.194 | 14.262 | HH | 84078  | 2740121 | 15.31% | 0.376% |
| 229 | 14.286 | 14.262 | 14.305 | HH | 67896  | 1653720 | 9.24%  | 0.227% |
| 230 | 14.331 | 14.305 | 14.358 | HH | 63640  | 1955173 | 10.92% | 0.269% |
| 231 | 14.396 | 14.358 | 14.451 | HH | 123143 | 4257139 | 23.79% | 0.585% |
| 232 | 14.460 | 14.451 | 14.475 | HH | 59733  | 844019  | 4.72%  | 0.116% |
| 233 | 14.501 | 14.475 | 14.511 | HH | 70794  | 1395685 | 7.80%  | 0.192% |
| 234 | 14.535 | 14.511 | 14.555 | HH | 176324 | 3157433 | 17.64% | 0.434% |
| 235 | 14.576 | 14.555 | 14.660 | HH | 176225 | 6001384 | 33.53% | 0.824% |
| 236 | 14.696 | 14.660 | 14.714 | HH | 80651  | 2339186 | 13.07% | 0.321% |
| 237 | 14.732 | 14.714 | 14.803 | HH | 76471  | 3618571 | 20.22% | 0.497% |
| 238 | 14.884 | 14.803 | 14.957 | HH | 75539  | 6310744 | 35.26% | 0.867% |
| 239 | 14.993 | 14.957 | 15.065 | HH | 90489  | 4830610 | 26.99% | 0.664% |
| 240 | 15.134 | 15.065 | 15.160 | HH | 160439 | 5707709 | 31.89% | 0.784% |
| 241 | 15.170 | 15.160 | 15.187 | HH | 79132  | 1243917 | 6.95%  | 0.171% |
| 242 | 15.213 | 15.187 | 15.238 | HH | 102011 | 2646068 | 14.78% | 0.363% |
| 243 | 15.250 | 15.238 | 15.285 | HH | 82009  | 2169844 | 12.12% | 0.298% |
| 244 | 15.313 | 15.285 | 15.333 | HH | 80475  | 2235041 | 12.49% | 0.307% |
| 245 | 15.371 | 15.333 | 15.415 | HH | 90767  | 4158176 | 23.23% | 0.571% |
| 246 | 15.449 | 15.415 | 15.472 | HH | 80197  | 2656253 | 14.84% | 0.365% |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 247    | 15.482 | 15.472 | 15.528 | HH | 76344  | 2574826  | 14.39% | 0.354% |
| 248    | 15.539 | 15.528 | 15.557 | HH | 80609  | 1359119  | 7.59%  | 0.187% |
| 249    | 15.569 | 15.557 | 15.589 | HH | 80924  | 1544250  | 8.63%  | 0.212% |
| 250    | 15.624 | 15.589 | 15.672 | HH | 156255 | 5017794  | 28.04% | 0.689% |
| 251    | 15.684 | 15.672 | 15.708 | HH | 83158  | 1763473  | 9.85%  | 0.242% |
| 252    | 15.722 | 15.708 | 15.739 | HH | 79515  | 1458802  | 8.15%  | 0.200% |
| 253    | 15.801 | 15.739 | 15.832 | HH | 88400  | 4535417  | 25.34% | 0.623% |
| 254    | 15.895 | 15.832 | 15.945 | HH | 92023  | 5913710  | 33.04% | 0.812% |
| 255    | 16.014 | 15.945 | 16.054 | HH | 98823  | 5985311  | 33.44% | 0.822% |
| 256    | 16.102 | 16.054 | 16.202 | HH | 242274 | 11247023 | 62.84% | 1.545% |
| 257    | 16.235 | 16.202 | 16.325 | HH | 122164 | 7557009  | 42.22% | 1.038% |
| 258    | 16.377 | 16.325 | 16.397 | HH | 120343 | 4574200  | 25.56% | 0.628% |
| 259    | 16.425 | 16.397 | 16.459 | HH | 173491 | 4845916  | 27.07% | 0.666% |
| 260    | 16.485 | 16.459 | 16.525 | HH | 190079 | 5464107  | 30.53% | 0.751% |
| 261    | 16.535 | 16.525 | 16.547 | HH | 115730 | 1512754  | 8.45%  | 0.208% |
| 262    | 16.572 | 16.547 | 16.647 | HH | 159814 | 7500277  | 41.91% | 1.030% |
| 263    | 16.664 | 16.647 | 16.688 | HH | 111059 | 2698353  | 15.08% | 0.371% |
| 264    | 16.737 | 16.688 | 16.757 | HH | 120991 | 4770833  | 26.66% | 0.655% |
| 265    | 16.784 | 16.757 | 16.812 | HH | 124862 | 3869752  | 21.62% | 0.532% |
| 266    | 16.869 | 16.812 | 16.912 | HH | 135262 | 7426942  | 41.50% | 1.020% |
| 267    | 16.951 | 16.912 | 16.978 | HH | 139303 | 4950546  | 27.66% | 0.680% |
| 268    | 16.985 | 16.978 | 16.994 | HH | 124340 | 1149304  | 6.42%  | 0.158% |
| 269    | 17.022 | 16.994 | 17.053 | HH | 169020 | 5028412  | 28.09% | 0.691% |
| 270    | 17.076 | 17.053 | 17.086 | HH | 123964 | 2394829  | 13.38% | 0.329% |
| 271    | 17.104 | 17.086 | 17.125 | HH | 129866 | 2977897  | 16.64% | 0.409% |
| 272    | 17.184 | 17.125 | 17.221 | HH | 127966 | 7170315  | 40.06% | 0.985% |
| 273    | 17.232 | 17.221 | 17.242 | HH | 119796 | 1489324  | 8.32%  | 0.205% |
| 274    | 17.278 | 17.242 | 17.310 | HH | 127893 | 4980748  | 27.83% | 0.684% |
| 275    | 17.335 | 17.310 | 17.353 | HH | 128703 | 3187692  | 17.81% | 0.438% |
| 276    | 17.362 | 17.353 | 17.387 | HH | 126066 | 2535824  | 14.17% | 0.348% |
| 277    | 17.459 | 17.387 | 17.495 | HH | 176073 | 9106546  | 50.88% | 1.251% |
| 278    | 17.510 | 17.495 | 17.523 | HH | 128266 | 2112682  | 11.80% | 0.290% |
| 279    | 17.575 | 17.523 | 17.645 | HH | 163769 | 10412393 | 58.18% | 1.430% |
| 280    | 17.674 | 17.645 | 17.706 | HH | 140432 | 4934572  | 27.57% | 0.678% |
| 281    | 17.728 | 17.706 | 17.740 | HH | 135408 | 2715436  | 15.17% | 0.373% |
| 282    | 17.776 | 17.740 | 17.812 | HH | 160862 | 6408769  | 35.81% | 0.880% |
| 283    | 17.821 | 17.812 | 17.847 | HH | 143734 | 2991063  | 16.71% | 0.411% |
| 284    | 17.879 | 17.847 | 17.915 | HH | 225213 | 7160801  | 40.01% | 0.984% |
| 285    | 17.941 | 17.915 | 17.969 | HH | 173615 | 5103119  | 28.51% | 0.701% |
| 286    | 17.978 | 17.969 | 17.988 | HH | 143763 | 1676144  | 9.36%  | 0.230% |
| 287    | 18.008 | 17.988 | 18.018 | HH | 151886 | 2588478  | 14.46% | 0.356% |
| 288    | 18.032 | 18.018 | 18.058 | HH | 150868 | 3558880  | 19.88% | 0.489% |
| 289    | 18.091 | 18.058 | 18.104 | HH | 146658 | 4038969  | 22.57% | 0.555% |
| 290    | 18.127 | 18.104 | 18.188 | HH | 178093 | 7822649  | 43.71% | 1.075% |
| 291    | 18.209 | 18.188 | 18.219 | HH | 143898 | 2638313  | 14.74% | 0.362% |
| 292    | 18.289 | 18.219 | 18.332 | HH | 184507 | 10636178 | 59.43% | 1.461% |
| 293    | 18.364 | 18.332 | 18.382 | HH | 163859 | 4558669  | 25.47% | 0.626% |
| 294    | 18.413 | 18.382 | 18.430 | HH | 162889 | 4485408  | 25.06% | 0.616% |
| 295    | 18.440 | 18.430 | 18.488 | HH | 155271 | 5240535  | 29.28% | 0.720% |
| 296    | 18.502 | 18.488 | 18.511 | HH | 148275 | 2050663  | 11.46% | 0.282% |
| 297    | 18.548 | 18.511 | 18.558 | HH | 157801 | 4330562  | 24.20% | 0.595% |
| 298    | 18.582 | 18.558 | 18.608 | HH | 158559 | 4677670  | 26.13% | 0.643% |
| 299    | 18.646 | 18.608 | 18.664 | HH | 170190 | 5476782  | 30.60% | 0.752% |

|     |        |        |        |     |                         |           |         |        |
|-----|--------|--------|--------|-----|-------------------------|-----------|---------|--------|
|     |        |        |        |     |                         | rteres    |         |        |
| 300 | 18.691 | 18.664 | 18.737 | HH  | 194304                  | 7573000   | 42.31%  | 1.040% |
| 301 | 18.760 | 18.737 | 18.782 | HH  | 176439                  | 4503620   | 25.16%  | 0.619% |
| 302 | 18.796 | 18.782 | 18.863 | HH  | 167002                  | 8065960   | 45.07%  | 1.108% |
| 303 | 18.912 | 18.863 | 18.936 | HH  | 164444                  | 7066366   | 39.48%  | 0.971% |
| 304 | 18.968 | 18.936 | 18.986 | HH  | 168286                  | 4929676   | 27.54%  | 0.677% |
| 305 | 19.001 | 18.986 | 19.028 | HH  | 165157                  | 4099557   | 22.90%  | 0.563% |
| 306 | 19.077 | 19.028 | 19.102 | HH  | 192245                  | 7699634   | 43.02%  | 1.058% |
| 307 | 19.123 | 19.102 | 19.148 | HH  | 176027                  | 4719911   | 26.37%  | 0.648% |
| 308 | 19.181 | 19.148 | 19.218 | HH  | 175263                  | 7254177   | 40.53%  | 0.996% |
| 309 | 19.241 | 19.218 | 19.251 | HH  | 173286                  | 3367580   | 18.82%  | 0.463% |
| 310 | 19.299 | 19.251 | 19.328 | HH  | 186426                  | 8335046   | 46.57%  | 1.145% |
| 311 | 19.363 | 19.328 | 19.374 | HH  | 188923                  | 5078997   | 28.38%  | 0.698% |
| 312 | 19.395 | 19.374 | 19.427 | HH  | 200493                  | 6062442   | 33.87%  | 0.833% |
| 313 | 19.451 | 19.427 | 19.548 | HH  | 199651                  | 13635390  | 76.18%  | 1.873% |
| 314 | 19.590 | 19.548 | 19.622 | HH  | 191652                  | 8177293   | 45.69%  | 1.123% |
| 315 | 19.688 | 19.622 | 19.738 | HH  | 206557                  | 13547006  | 75.69%  | 1.861% |
| 316 | 19.762 | 19.738 | 19.775 | HH  | 197424                  | 4387485   | 24.51%  | 0.603% |
| 317 | 19.817 | 19.775 | 19.839 | HH  | 212396                  | 7860456   | 43.92%  | 1.080% |
| 318 | 19.861 | 19.839 | 19.887 | HH  | 206502                  | 5788776   | 32.34%  | 0.795% |
| 319 | 19.998 | 19.887 | 20.025 | HH  | 212615                  | 17131824  | 95.72%  | 2.353% |
| 320 | 20.049 | 20.025 | 20.062 | HH  | 210802                  | 4610487   | 25.76%  | 0.633% |
| 321 | 20.081 | 20.062 | 20.092 | HH  | 211654                  | 3767786   | 21.05%  | 0.518% |
| 322 | 20.104 | 20.092 | 20.113 | HH  | 210921                  | 2658129   | 14.85%  | 0.365% |
| 323 | 20.170 | 20.113 | 20.206 | HH  | 228853                  | 12178533  | 68.04%  | 1.673% |
| 324 | 20.282 | 20.206 | 20.300 | HH  | 222996                  | 12343622  | 68.97%  | 1.696% |
| 325 | 20.322 | 20.300 | 20.337 | HH  | 226062                  | 4985586   | 27.86%  | 0.685% |
| 326 | 20.366 | 20.337 | 20.386 | HH  | 228701                  | 6641250   | 37.11%  | 0.912% |
| 327 | 20.395 | 20.386 | 20.428 | HH  | 225792                  | 5686760   | 31.77%  | 0.781% |
| 328 | 20.438 | 20.428 | 20.469 | HH  | 222229                  | 5394838   | 30.14%  | 0.741% |
| 329 | 20.477 | 20.469 | 20.494 | HH  | 220671                  | 3312084   | 18.51%  | 0.455% |
| 330 | 20.520 | 20.494 | 20.568 | HH  | 231815                  | 9789264   | 54.69%  | 1.345% |
| 331 | 20.578 | 20.568 | 20.602 | HH  | 216188                  | 4282140   | 23.93%  | 0.588% |
| 332 | 20.609 | 20.602 | 20.658 | HH  | 215534                  | 7274719   | 40.65%  | 0.999% |
| 333 | 20.679 | 20.658 | 20.688 | HH  | 217223                  | 3861586   | 21.58%  | 0.530% |
| 334 | 20.698 | 20.688 | 20.735 | HH  | 215347                  | 5954965   | 33.27%  | 0.818% |
| 335 | 20.754 | 20.735 | 20.764 | HH  | 211418                  | 3664193   | 20.47%  | 0.503% |
| 336 | 20.774 | 20.764 | 20.864 | HH  | 211845                  | 12432319  | 69.46%  | 1.708% |
| 337 | 20.904 | 20.864 | 20.945 | HH  | 212616                  | 9944099   | 55.56%  | 1.366% |
| 338 | 20.951 | 20.945 | 20.977 | HH  | 202353                  | 3906925   | 21.83%  | 0.537% |
| 339 | 20.989 | 20.977 | 21.011 | HH  | 200401                  | 4065553   | 22.71%  | 0.558% |
| 340 | 21.023 | 21.011 | 21.048 | HH  | 200793                  | 4423899   | 24.72%  | 0.608% |
| 341 | 21.055 | 21.048 | 21.102 | HH  | 200916                  | 6355405   | 35.51%  | 0.873% |
| 342 | 21.113 | 21.102 | 21.245 | HH  | 198190                  | 16553720  | 92.49%  | 2.274% |
| 343 | 21.331 | 21.245 | 21.402 | HHA | 200417                  | 17898122  | 100.00% | 2.459% |
|     |        |        |        |     | Sum of corrected areas: | 727986990 |         |        |

FE031020.M Thu Mar 26 11:52:17 2020