

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE040220\  
 Data File : FE031641.D  
 Signal(s) : FID1B.CH  
 Acq On : 02 Apr 2020 15:13  
 Sample : L2101-02 5X  
 Misc :  
 ALS Vial : 8 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         | 3.116       | 3.005        | 3.222      | BH       | 84             | -14754       | -0.16%         | -0.005%       |
| 2         | 3.237       | 3.222        | 3.264      | PH       | -188           | -5823        | -0.06%         | -0.002%       |
| 3         | 3.276       | 3.264        | 3.298      | PH       | -228           | -5380        | -0.06%         | -0.002%       |
| 4         | 3.307       | 3.298        | 3.326      | PH       | -255           | -5198        | -0.06%         | -0.002%       |
| 5         | 3.334       | 3.326        | 3.354      | PH       | -290           | -5941        | -0.06%         | -0.002%       |
| 6         | 3.372       | 3.354        | 3.393      | PH       | -290           | -7672        | -0.08%         | -0.003%       |
| 7         | 3.401       | 3.393        | 3.418      | PH       | -303           | -5151        | -0.05%         | -0.002%       |
| 8         | 3.430       | 3.418        | 3.465      | PH       | -326           | -10477       | -0.11%         | -0.004%       |
| 9         | 3.488       | 3.465        | 3.500      | PH       | -339           | -8148        | -0.09%         | -0.003%       |
| 10        | 3.528       | 3.500        | 3.540      | PH       | -328           | -9001        | -0.10%         | -0.003%       |
| 11        | 3.545       | 3.540        | 3.553      | PH       | -375           | -3174        | -0.03%         | -0.001%       |
| 12        | 3.594       | 3.553        | 3.667      | PH       | -281           | -26987       | -0.29%         | -0.010%       |
| 13        | 3.681       | 3.667        | 3.695      | PH       | -381           | -6652        | -0.07%         | -0.002%       |
| 14        | 3.701       | 3.695        | 3.722      | PH       | -345           | -6986        | -0.07%         | -0.002%       |
| 15        | 3.729       | 3.722        | 3.735      | PH       | -475           | -3798        | -0.04%         | -0.001%       |
| 16        | 3.743       | 3.735        | 3.747      | PH       | -393           | -3234        | -0.03%         | -0.001%       |
| 17        | 3.761       | 3.747        | 3.782      | PH       | -364           | -8516        | -0.09%         | -0.003%       |
| 18        | 3.797       | 3.782        | 3.834      | PH       | -362           | -13453       | -0.14%         | -0.005%       |
| 19        | 3.855       | 3.834        | 3.875      | PH       | -414           | -10825       | -0.12%         | -0.004%       |
| 20        | 3.892       | 3.875        | 3.906      | PH       | -433           | -8981        | -0.10%         | -0.003%       |
| 21        | 3.950       | 3.906        | 3.968      | PH       | -291           | -13684       | -0.15%         | -0.005%       |
| 22        | 4.044       | 3.968        | 4.082      | PH       | -194           | -20941       | -0.22%         | -0.007%       |
| 23        | 4.099       | 4.082        | 4.123      | PH       | -262           | -7923        | -0.08%         | -0.003%       |
| 24        | 4.157       | 4.123        | 4.215      | PH       | -128           | -16012       | -0.17%         | -0.006%       |
| 25        | 4.256       | 4.215        | 4.292      | PH       | -190           | -13089       | -0.14%         | -0.005%       |
| 26        | 4.313       | 4.292        | 4.336      | PH       | 330            | -71          | -0.00%         | -0.000%       |
| 27        | 4.350       | 4.336        | 4.363      | PH       | -16            | -1645        | -0.02%         | -0.001%       |
| 28        | 4.387       | 4.363        | 4.418      | PH       | 80             | -1355        | -0.01%         | -0.000%       |
| 29        | 4.435       | 4.418        | 4.485      | PH       | -83            | -8215        | -0.09%         | -0.003%       |
| 30        | 4.487       | 4.485        | 4.506      | PH       | -214           | -4236        | -0.05%         | -0.002%       |
| 31        | 4.524       | 4.506        | 4.565      | PH       | -198           | -12671       | -0.14%         | -0.005%       |
| 32        | 4.571       | 4.565        | 4.582      | PH       | -411           | -4215        | -0.04%         | -0.002%       |
| 33        | 4.603       | 4.582        | 4.610      | PH       | -359           | -7116        | -0.08%         | -0.003%       |
| 34        | 4.615       | 4.610        | 4.665      | PH       | -398           | -16116       | -0.17%         | -0.006%       |
| 35        | 4.698       | 4.665        | 4.707      | PH       | -413           | -12108       | -0.13%         | -0.004%       |
| 36        | 4.728       | 4.707        | 4.769      | PH       | -339           | -16084       | -0.17%         | -0.006%       |

|    |       |       |       |    | rteres |        |        |         |
|----|-------|-------|-------|----|--------|--------|--------|---------|
| 37 | 4.778 | 4.769 | 4.811 | PH | -400   | -11791 | -0.13% | -0.004% |
| 38 | 4.828 | 4.811 | 4.888 | PH | -366   | -23839 | -0.25% | -0.008% |
| 39 | 4.908 | 4.888 | 4.922 | PH | -405   | -9462  | -0.10% | -0.003% |
| 40 | 4.933 | 4.922 | 4.975 | PH | -387   | -13733 | -0.15% | -0.005% |
| 41 | 4.989 | 4.975 | 4.998 | PH | -373   | -5537  | -0.06% | -0.002% |
| 42 | 5.036 | 4.998 | 5.051 | PH | -136   | -8637  | -0.09% | -0.003% |
| 43 | 5.064 | 5.051 | 5.106 | PH | -183   | -7711  | -0.08% | -0.003% |
| 44 | 5.134 | 5.106 | 5.161 | PH | -302   | -10574 | -0.11% | -0.004% |
| 45 | 5.186 | 5.161 | 5.210 | PH | -78    | -6185  | -0.07% | -0.002% |
| 46 | 5.217 | 5.210 | 5.238 | PH | -219   | -5247  | -0.06% | -0.002% |
| 47 | 5.247 | 5.238 | 5.256 | PH | -295   | -4078  | -0.04% | -0.001% |
| 48 | 5.293 | 5.256 | 5.345 | PH | -188   | -17482 | -0.19% | -0.006% |
| 49 | 5.353 | 5.345 | 5.392 | PH | -336   | -10879 | -0.12% | -0.004% |
| 50 | 5.412 | 5.392 | 5.442 | PH | -388   | -12650 | -0.13% | -0.005% |
| 51 | 5.464 | 5.442 | 5.477 | PH | -320   | -7610  | -0.08% | -0.003% |
| 52 | 5.509 | 5.477 | 5.600 | PH | -276   | -26410 | -0.28% | -0.009% |
| 53 | 5.624 | 5.600 | 5.666 | PH | -320   | -15469 | -0.17% | -0.006% |
| 54 | 5.777 | 5.666 | 5.806 | PH | -80    | -21932 | -0.23% | -0.008% |
| 55 | 5.877 | 5.806 | 5.910 | PH | 854    | 303    | 0.00%  | 0.000%  |
| 56 | 5.923 | 5.910 | 5.960 | PH | -151   | -6454  | -0.07% | -0.002% |
| 57 | 5.982 | 5.960 | 6.005 | PH | -216   | -6459  | -0.07% | -0.002% |
| 58 | 6.055 | 6.005 | 6.135 | PH | 12     | -11844 | -0.13% | -0.004% |
| 59 | 6.154 | 6.135 | 6.215 | PH | -37    | -8417  | -0.09% | -0.003% |
| 60 | 6.232 | 6.215 | 6.263 | PH | -153   | -7497  | -0.08% | -0.003% |
| 61 | 6.300 | 6.263 | 6.324 | PH | -115   | -8981  | -0.10% | -0.003% |
| 62 | 6.338 | 6.324 | 6.367 | PH | -193   | -7172  | -0.08% | -0.003% |
| 63 | 6.379 | 6.367 | 6.425 | PH | -263   | -10777 | -0.11% | -0.004% |
| 64 | 6.433 | 6.425 | 6.472 | PH | -284   | -7905  | -0.08% | -0.003% |
| 65 | 6.480 | 6.472 | 6.508 | PH | -237   | -6170  | -0.07% | -0.002% |
| 66 | 6.518 | 6.508 | 6.526 | PH | -291   | -3317  | -0.04% | -0.001% |
| 67 | 6.567 | 6.526 | 6.618 | PH | -184   | -13286 | -0.14% | -0.005% |
| 68 | 6.632 | 6.618 | 6.640 | PH | -131   | -2533  | -0.03% | -0.001% |
| 69 | 6.676 | 6.640 | 6.692 | PH | -114   | -4660  | -0.05% | -0.002% |
| 70 | 6.755 | 6.692 | 6.788 | PH | 557    | 637    | 0.01%  | 0.000%  |
| 71 | 6.814 | 6.788 | 6.832 | HH | 504    | 9685   | 0.10%  | 0.003%  |
| 72 | 6.848 | 6.832 | 6.902 | HH | 540    | 12056  | 0.13%  | 0.004%  |
| 73 | 6.981 | 6.902 | 7.003 | HH | 542    | 19820  | 0.21%  | 0.007%  |
| 74 | 7.024 | 7.003 | 7.058 | HH | 510    | 12237  | 0.13%  | 0.004%  |
| 75 | 7.079 | 7.058 | 7.175 | HH | 639    | 13935  | 0.15%  | 0.005%  |
| 76 | 7.190 | 7.175 | 7.203 | PH | 60     | 19     | 0.00%  | 0.000%  |
| 77 | 7.214 | 7.203 | 7.231 | PH | 33     | 283    | 0.00%  | 0.000%  |
| 78 | 7.246 | 7.231 | 7.284 | PH | 132    | 818    | 0.01%  | 0.000%  |
| 79 | 7.299 | 7.284 | 7.312 | HH | 131    | 912    | 0.01%  | 0.000%  |
| 80 | 7.347 | 7.312 | 7.392 | HH | 224    | 4784   | 0.05%  | 0.002%  |
| 81 | 7.404 | 7.392 | 7.428 | HH | 65     | 1955   | 0.02%  | 0.001%  |
| 82 | 7.442 | 7.428 | 7.458 | HH | 181    | 2423   | 0.03%  | 0.001%  |
| 83 | 7.496 | 7.458 | 7.508 | HH | 394    | 7646   | 0.08%  | 0.003%  |
| 84 | 7.534 | 7.508 | 7.579 | HH | 404    | 12450  | 0.13%  | 0.004%  |
| 85 | 7.592 | 7.579 | 7.622 | HH | 261    | 5090   | 0.05%  | 0.002%  |
| 86 | 7.637 | 7.622 | 7.670 | HH | 266    | 5682   | 0.06%  | 0.002%  |
| 87 | 7.699 | 7.670 | 7.712 | HH | 271    | 5744   | 0.06%  | 0.002%  |
| 88 | 7.723 | 7.712 | 7.731 | HH | 299    | 2856   | 0.03%  | 0.001%  |
| 89 | 7.768 | 7.731 | 7.785 | HH | 532    | 12071  | 0.13%  | 0.004%  |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 90  | 7.852  | 7.785  | 7.888  | HH | 1008   | 40139  | 0.43% | 0.014% |
| 91  | 7.914  | 7.888  | 7.929  | HH | 2237   | 37511  | 0.40% | 0.013% |
| 92  | 7.942  | 7.929  | 7.982  | HH | 2032   | 37239  | 0.40% | 0.013% |
| 93  | 8.011  | 7.982  | 8.039  | HH | 22588  | 315829 | 3.37% | 0.113% |
| 94  | 8.056  | 8.039  | 8.252  | HH | 8798   | 294697 | 3.14% | 0.105% |
| 95  | 8.296  | 8.252  | 8.324  | HH | 748    | 24549  | 0.26% | 0.009% |
| 96  | 8.350  | 8.324  | 8.412  | HH | 1383   | 55280  | 0.59% | 0.020% |
| 97  | 8.436  | 8.412  | 8.458  | HH | 1385   | 33408  | 0.36% | 0.012% |
| 98  | 8.475  | 8.458  | 8.515  | HH | 1508   | 35599  | 0.38% | 0.013% |
| 99  | 8.530  | 8.515  | 8.555  | HH | 758    | 16532  | 0.18% | 0.006% |
| 100 | 8.566  | 8.555  | 8.574  | HH | 724    | 7616   | 0.08% | 0.003% |
| 101 | 8.588  | 8.574  | 8.608  | HH | 823    | 15305  | 0.16% | 0.005% |
| 102 | 8.633  | 8.608  | 8.642  | HH | 830    | 15694  | 0.17% | 0.006% |
| 103 | 8.677  | 8.642  | 8.737  | HH | 1974   | 75851  | 0.81% | 0.027% |
| 104 | 8.763  | 8.737  | 8.824  | HH | 2677   | 73972  | 0.79% | 0.026% |
| 105 | 8.844  | 8.824  | 8.876  | HH | 983    | 26895  | 0.29% | 0.010% |
| 106 | 8.908  | 8.876  | 8.941  | HH | 942    | 33044  | 0.35% | 0.012% |
| 107 | 8.951  | 8.941  | 8.977  | HH | 860    | 17471  | 0.19% | 0.006% |
| 108 | 9.034  | 8.977  | 9.077  | HH | 1077   | 54799  | 0.58% | 0.020% |
| 109 | 9.150  | 9.077  | 9.245  | HH | 2263   | 151326 | 1.61% | 0.054% |
| 110 | 9.288  | 9.245  | 9.302  | HH | 1482   | 47408  | 0.51% | 0.017% |
| 111 | 9.305  | 9.302  | 9.352  | HH | 1449   | 37455  | 0.40% | 0.013% |
| 112 | 9.369  | 9.352  | 9.393  | HH | 1335   | 29391  | 0.31% | 0.010% |
| 113 | 9.410  | 9.393  | 9.435  | HH | 1328   | 30976  | 0.33% | 0.011% |
| 114 | 9.461  | 9.435  | 9.514  | HH | 1965   | 77446  | 0.83% | 0.028% |
| 115 | 9.539  | 9.514  | 9.591  | HH | 3313   | 88141  | 0.94% | 0.031% |
| 116 | 9.650  | 9.591  | 9.669  | HH | 1769   | 73151  | 0.78% | 0.026% |
| 117 | 9.697  | 9.669  | 9.737  | HH | 2304   | 76780  | 0.82% | 0.027% |
| 118 | 9.747  | 9.737  | 9.787  | HH | 1606   | 42114  | 0.45% | 0.015% |
| 119 | 9.800  | 9.787  | 9.821  | HH | 1343   | 26606  | 0.28% | 0.009% |
| 120 | 9.882  | 9.821  | 9.894  | HH | 1823   | 66578  | 0.71% | 0.024% |
| 121 | 9.923  | 9.894  | 9.946  | HH | 2136   | 59437  | 0.63% | 0.021% |
| 122 | 9.973  | 9.946  | 9.986  | HH | 1946   | 43675  | 0.47% | 0.016% |
| 123 | 10.006 | 9.986  | 10.048 | HH | 2129   | 73685  | 0.79% | 0.026% |
| 124 | 10.068 | 10.048 | 10.084 | HH | 1992   | 39929  | 0.43% | 0.014% |
| 125 | 10.097 | 10.084 | 10.111 | HH | 1941   | 29824  | 0.32% | 0.011% |
| 126 | 10.199 | 10.111 | 10.223 | HH | 3386   | 165575 | 1.77% | 0.059% |
| 127 | 10.274 | 10.223 | 10.318 | HH | 5162   | 201500 | 2.15% | 0.072% |
| 128 | 10.343 | 10.318 | 10.437 | HH | 3269   | 194697 | 2.08% | 0.069% |
| 129 | 10.490 | 10.437 | 10.515 | HH | 3100   | 125564 | 1.34% | 0.045% |
| 130 | 10.542 | 10.515 | 10.597 | HH | 8667   | 256389 | 2.74% | 0.091% |
| 131 | 10.621 | 10.597 | 10.809 | HH | 10590  | 638705 | 6.82% | 0.228% |
| 132 | 10.851 | 10.809 | 10.871 | HH | 3571   | 120472 | 1.29% | 0.043% |
| 133 | 10.908 | 10.871 | 10.939 | HH | 5010   | 176541 | 1.88% | 0.063% |
| 134 | 10.976 | 10.939 | 11.005 | HH | 5679   | 183573 | 1.96% | 0.065% |
| 135 | 11.063 | 11.005 | 11.107 | HH | 4884   | 253887 | 2.71% | 0.090% |
| 136 | 11.132 | 11.107 | 11.149 | HH | 4414   | 102101 | 1.09% | 0.036% |
| 137 | 11.170 | 11.149 | 11.190 | HH | 4391   | 102928 | 1.10% | 0.037% |
| 138 | 11.218 | 11.190 | 11.239 | HH | 4344   | 121336 | 1.29% | 0.043% |
| 139 | 11.276 | 11.239 | 11.297 | HH | 4627   | 150952 | 1.61% | 0.054% |
| 140 | 11.380 | 11.297 | 11.425 | HH | 6124   | 407277 | 4.35% | 0.145% |
| 141 | 11.451 | 11.425 | 11.505 | HH | 8335   | 319667 | 3.41% | 0.114% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 11.521 | 11.505 | 11.558 | HH | 6521   | 192334  | 2.05%  | 0.069% |
| 143 | 11.581 | 11.558 | 11.608 | HH | 6057   | 172122  | 1.84%  | 0.061% |
| 144 | 11.645 | 11.608 | 11.692 | HH | 7460   | 312005  | 3.33%  | 0.111% |
| 145 | 11.738 | 11.692 | 11.762 | HH | 7598   | 279025  | 2.98%  | 0.099% |
|     |        |        |        |    |        |         |        |        |
| 146 | 11.783 | 11.762 | 11.802 | HH | 7067   | 165500  | 1.77%  | 0.059% |
| 147 | 11.831 | 11.802 | 11.862 | HH | 7287   | 253361  | 2.70%  | 0.090% |
| 148 | 11.910 | 11.862 | 11.970 | HH | 29847  | 794652  | 8.48%  | 0.283% |
| 149 | 11.981 | 11.970 | 11.994 | HH | 7967   | 116707  | 1.25%  | 0.042% |
| 150 | 12.014 | 11.994 | 12.068 | HH | 8587   | 361855  | 3.86%  | 0.129% |
|     |        |        |        |    |        |         |        |        |
| 151 | 12.087 | 12.068 | 12.107 | HH | 8044   | 183374  | 1.96%  | 0.065% |
| 152 | 12.132 | 12.107 | 12.161 | HH | 8211   | 262020  | 2.80%  | 0.093% |
| 153 | 12.231 | 12.161 | 12.256 | HH | 11703  | 540152  | 5.76%  | 0.192% |
| 154 | 12.287 | 12.256 | 12.322 | HH | 11728  | 405487  | 4.33%  | 0.144% |
| 155 | 12.348 | 12.322 | 12.445 | HH | 39590  | 1219944 | 13.02% | 0.435% |
|     |        |        |        |    |        |         |        |        |
| 156 | 12.457 | 12.445 | 12.478 | HH | 10143  | 198122  | 2.11%  | 0.071% |
| 157 | 12.508 | 12.478 | 12.519 | HH | 11271  | 263858  | 2.82%  | 0.094% |
| 158 | 12.542 | 12.519 | 12.553 | HH | 11440  | 229933  | 2.45%  | 0.082% |
| 159 | 12.563 | 12.553 | 12.595 | HH | 11384  | 276351  | 2.95%  | 0.098% |
| 160 | 12.642 | 12.595 | 12.692 | HH | 42429  | 1137293 | 12.14% | 0.405% |
|     |        |        |        |    |        |         |        |        |
| 161 | 12.703 | 12.692 | 12.728 | HH | 14016  | 291512  | 3.11%  | 0.104% |
| 162 | 12.754 | 12.728 | 12.785 | HH | 13504  | 432998  | 4.62%  | 0.154% |
| 163 | 12.806 | 12.785 | 12.821 | HH | 13105  | 274099  | 2.92%  | 0.098% |
| 164 | 12.837 | 12.821 | 12.865 | HH | 13184  | 334176  | 3.57%  | 0.119% |
| 165 | 12.898 | 12.865 | 12.958 | HH | 15956  | 786699  | 8.39%  | 0.280% |
|     |        |        |        |    |        |         |        |        |
| 166 | 12.978 | 12.958 | 13.011 | HH | 14329  | 434857  | 4.64%  | 0.155% |
| 167 | 13.053 | 13.011 | 13.080 | HH | 15517  | 591063  | 6.31%  | 0.211% |
| 168 | 13.138 | 13.080 | 13.189 | HH | 20606  | 1092431 | 11.66% | 0.389% |
| 169 | 13.220 | 13.189 | 13.233 | HH | 17594  | 437029  | 4.66%  | 0.156% |
| 170 | 13.255 | 13.233 | 13.287 | HH | 18449  | 564726  | 6.03%  | 0.201% |
|     |        |        |        |    |        |         |        |        |
| 171 | 13.305 | 13.287 | 13.327 | HH | 16750  | 388230  | 4.14%  | 0.138% |
| 172 | 13.359 | 13.327 | 13.374 | HH | 17691  | 468360  | 5.00%  | 0.167% |
| 173 | 13.398 | 13.374 | 13.457 | HH | 18710  | 894489  | 9.54%  | 0.319% |
| 174 | 13.484 | 13.457 | 13.505 | HH | 20947  | 551107  | 5.88%  | 0.196% |
| 175 | 13.514 | 13.505 | 13.543 | HH | 19861  | 423324  | 4.52%  | 0.151% |
|     |        |        |        |    |        |         |        |        |
| 176 | 13.563 | 13.543 | 13.577 | HH | 18063  | 362413  | 3.87%  | 0.129% |
| 177 | 13.590 | 13.577 | 13.638 | HH | 17882  | 638487  | 6.81%  | 0.227% |
| 178 | 13.682 | 13.638 | 13.699 | HH | 18055  | 637936  | 6.81%  | 0.227% |
| 179 | 13.721 | 13.699 | 13.755 | HH | 18412  | 600145  | 6.40%  | 0.214% |
| 180 | 13.781 | 13.755 | 13.798 | HH | 18020  | 464819  | 4.96%  | 0.166% |
|     |        |        |        |    |        |         |        |        |
| 181 | 13.842 | 13.798 | 13.867 | HH | 19012  | 775504  | 8.27%  | 0.276% |
| 182 | 13.887 | 13.867 | 13.904 | HH | 20231  | 431617  | 4.61%  | 0.154% |
| 183 | 13.914 | 13.904 | 13.930 | HH | 19952  | 315316  | 3.36%  | 0.112% |
| 184 | 13.970 | 13.930 | 14.005 | HH | 21695  | 929567  | 9.92%  | 0.331% |
| 185 | 14.042 | 14.005 | 14.061 | HH | 24786  | 746791  | 7.97%  | 0.266% |
|     |        |        |        |    |        |         |        |        |
| 186 | 14.080 | 14.061 | 14.091 | HH | 23706  | 424253  | 4.53%  | 0.151% |
| 187 | 14.114 | 14.091 | 14.139 | HH | 27787  | 723026  | 7.71%  | 0.258% |
| 188 | 14.160 | 14.139 | 14.195 | HH | 25801  | 840669  | 8.97%  | 0.300% |
| 189 | 14.219 | 14.195 | 14.246 | HH | 26681  | 758207  | 8.09%  | 0.270% |
| 190 | 14.257 | 14.246 | 14.271 | HH | 23829  | 359123  | 3.83%  | 0.128% |
|     |        |        |        |    |        |         |        |        |
| 191 | 14.288 | 14.271 | 14.328 | HH | 24821  | 806715  | 8.61%  | 0.287% |
| 192 | 14.382 | 14.328 | 14.448 | HH | 102500 | 2845835 | 30.37% | 1.014% |
| 193 | 14.461 | 14.448 | 14.482 | HH | 24855  | 484850  | 5.17%  | 0.173% |
| 194 | 14.540 | 14.482 | 14.561 | HH | 51415  | 1735608 | 18.52% | 0.618% |

| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 195    | 14.576 | 14.561 | 14.667 | HH | 46297 | 2106879 | 22.48% | 0.751% |
| 196    | 14.693 | 14.667 | 14.724 | HH | 27960 | 928920  | 9.91%  | 0.331% |
| 197    | 14.736 | 14.724 | 14.774 | HH | 27047 | 783968  | 8.37%  | 0.279% |
| 198    | 14.792 | 14.774 | 14.815 | HH | 27032 | 652605  | 6.96%  | 0.233% |
| 199    | 14.846 | 14.815 | 14.857 | HH | 26479 | 662276  | 7.07%  | 0.236% |
| 200    | 14.895 | 14.857 | 14.939 | HH | 29449 | 1360798 | 14.52% | 0.485% |
| 201    | 14.973 | 14.939 | 15.049 | HH | 53644 | 2282275 | 24.35% | 0.813% |
| 202    | 15.069 | 15.049 | 15.085 | HH | 30044 | 621751  | 6.63%  | 0.222% |
| 203    | 15.109 | 15.085 | 15.135 | HH | 33930 | 944823  | 10.08% | 0.337% |
| 204    | 15.156 | 15.135 | 15.192 | HH | 36331 | 1066345 | 11.38% | 0.380% |
| 205    | 15.223 | 15.192 | 15.246 | HH | 32456 | 997293  | 10.64% | 0.355% |
| 206    | 15.260 | 15.246 | 15.289 | HH | 31113 | 792338  | 8.45%  | 0.282% |
| 207    | 15.309 | 15.289 | 15.340 | HH | 31086 | 949974  | 10.14% | 0.338% |
| 208    | 15.373 | 15.340 | 15.382 | HH | 32491 | 795709  | 8.49%  | 0.283% |
| 209    | 15.414 | 15.382 | 15.443 | HH | 34488 | 1204799 | 12.86% | 0.429% |
| 210    | 15.471 | 15.443 | 15.512 | HH | 33047 | 1322191 | 14.11% | 0.471% |
| 211    | 15.560 | 15.512 | 15.578 | HH | 33426 | 1260215 | 13.45% | 0.449% |
| 212    | 15.604 | 15.578 | 15.645 | HH | 39140 | 1398482 | 14.92% | 0.498% |
| 213    | 15.669 | 15.645 | 15.694 | HH | 34230 | 962689  | 10.27% | 0.343% |
| 214    | 15.734 | 15.694 | 15.748 | HH | 33996 | 1077947 | 11.50% | 0.384% |
| 215    | 15.785 | 15.748 | 15.815 | HH | 36722 | 1406758 | 15.01% | 0.501% |
| 216    | 15.828 | 15.815 | 15.837 | HH | 34458 | 446886  | 4.77%  | 0.159% |
| 217    | 15.890 | 15.837 | 15.897 | HH | 37565 | 1295077 | 13.82% | 0.461% |
| 218    | 15.921 | 15.897 | 15.958 | HH | 39469 | 1381122 | 14.74% | 0.492% |
| 219    | 15.989 | 15.958 | 16.035 | HH | 41849 | 1829199 | 19.52% | 0.652% |
| 220    | 16.053 | 16.035 | 16.065 | HH | 40661 | 717666  | 7.66%  | 0.256% |
| 221    | 16.096 | 16.065 | 16.203 | HH | 73376 | 4077057 | 43.50% | 1.453% |
| 222    | 16.234 | 16.203 | 16.259 | HH | 44749 | 1420507 | 15.16% | 0.506% |
| 223    | 16.274 | 16.259 | 16.302 | HH | 42652 | 1094338 | 11.68% | 0.390% |
| 224    | 16.358 | 16.302 | 16.396 | HH | 59438 | 2587238 | 27.61% | 0.922% |
| 225    | 16.420 | 16.396 | 16.459 | HH | 58191 | 1907435 | 20.35% | 0.680% |
| 226    | 16.489 | 16.459 | 16.532 | HH | 57609 | 2249467 | 24.00% | 0.801% |
| 227    | 16.553 | 16.532 | 16.579 | HH | 64403 | 1576805 | 16.82% | 0.562% |
| 228    | 16.596 | 16.579 | 16.612 | HH | 49814 | 955904  | 10.20% | 0.341% |
| 229    | 16.629 | 16.612 | 16.655 | HH | 49968 | 1238790 | 13.22% | 0.441% |
| 230    | 16.660 | 16.655 | 16.685 | HH | 48401 | 842527  | 8.99%  | 0.300% |
| 231    | 16.760 | 16.685 | 16.777 | HH | 52012 | 2757778 | 29.43% | 0.983% |
| 232    | 16.789 | 16.777 | 16.822 | HH | 51014 | 1338146 | 14.28% | 0.477% |
| 233    | 16.865 | 16.822 | 16.879 | HH | 53002 | 1742726 | 18.60% | 0.621% |
| 234    | 16.892 | 16.879 | 16.915 | HH | 53461 | 1140890 | 12.17% | 0.406% |
| 235    | 16.931 | 16.915 | 16.976 | HH | 54152 | 1926505 | 20.56% | 0.686% |
| 236    | 17.005 | 16.976 | 17.036 | HH | 65789 | 2024209 | 21.60% | 0.721% |
| 237    | 17.095 | 17.036 | 17.124 | HH | 54389 | 2750678 | 29.35% | 0.980% |
| 238    | 17.153 | 17.124 | 17.182 | HH | 52077 | 1763946 | 18.82% | 0.628% |
| 239    | 17.188 | 17.182 | 17.205 | HH | 52407 | 719431  | 7.68%  | 0.256% |
| 240    | 17.215 | 17.205 | 17.241 | HH | 51171 | 1073414 | 11.45% | 0.382% |
| 241    | 17.263 | 17.241 | 17.294 | HH | 52769 | 1649579 | 17.60% | 0.588% |
| 242    | 17.308 | 17.294 | 17.341 | HH | 53931 | 1490512 | 15.90% | 0.531% |
| 243    | 17.351 | 17.341 | 17.372 | HH | 52972 | 977052  | 10.43% | 0.348% |
| 244    | 17.406 | 17.372 | 17.417 | HH | 58923 | 1501874 | 16.03% | 0.535% |
| 245    | 17.440 | 17.417 | 17.475 | HH | 71965 | 2141208 | 22.85% | 0.763% |
| 246    | 17.488 | 17.475 | 17.507 | HH | 53714 | 1033263 | 11.03% | 0.368% |

| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 247    | 17.557 | 17.507 | 17.567 | HH | 58746 | 1999939 | 21.34% | 0.713% |
| 248    | 17.575 | 17.567 | 17.634 | HH | 58034 | 2268047 | 24.20% | 0.808% |
| 249    | 17.651 | 17.634 | 17.681 | HH | 56751 | 1534270 | 16.37% | 0.547% |
| 250    | 17.745 | 17.681 | 17.768 | HH | 59503 | 2942822 | 31.40% | 1.048% |
|        |        |        |        |    |       |         |        |        |
| 251    | 17.806 | 17.768 | 17.838 | HH | 64991 | 2523995 | 26.93% | 0.899% |
| 252    | 17.866 | 17.838 | 17.901 | HH | 87831 | 2674648 | 28.54% | 0.953% |
| 253    | 17.916 | 17.901 | 17.950 | HH | 64869 | 1813599 | 19.35% | 0.646% |
| 254    | 17.964 | 17.950 | 17.987 | HH | 57251 | 1229290 | 13.12% | 0.438% |
| 255    | 18.062 | 17.987 | 18.101 | HH | 59424 | 3876322 | 41.36% | 1.381% |
|        |        |        |        |    |       |         |        |        |
| 256    | 18.126 | 18.101 | 18.201 | HH | 70414 | 3606348 | 38.48% | 1.285% |
| 257    | 18.273 | 18.201 | 18.325 | HH | 74490 | 4543613 | 48.48% | 1.619% |
| 258    | 18.342 | 18.325 | 18.353 | HH | 58781 | 968951  | 10.34% | 0.345% |
| 259    | 18.375 | 18.353 | 18.409 | HH | 59689 | 1982703 | 21.16% | 0.706% |
| 260    | 18.435 | 18.409 | 18.465 | HH | 59881 | 1971085 | 21.03% | 0.702% |
|        |        |        |        |    |       |         |        |        |
| 261    | 18.494 | 18.465 | 18.508 | HH | 57327 | 1453374 | 15.51% | 0.518% |
| 262    | 18.525 | 18.508 | 18.546 | HH | 59115 | 1339782 | 14.30% | 0.477% |
| 263    | 18.565 | 18.546 | 18.578 | HH | 58964 | 1125210 | 12.01% | 0.401% |
| 264    | 18.634 | 18.578 | 18.645 | HH | 66069 | 2485601 | 26.52% | 0.886% |
| 265    | 18.668 | 18.645 | 18.712 | HH | 73499 | 2640707 | 28.18% | 0.941% |
|        |        |        |        |    |       |         |        |        |
| 266    | 18.742 | 18.712 | 18.784 | HH | 73290 | 2835267 | 30.25% | 1.010% |
| 267    | 18.792 | 18.784 | 18.799 | HH | 62114 | 555569  | 5.93%  | 0.198% |
| 268    | 18.809 | 18.799 | 18.842 | HH | 62149 | 1582251 | 16.88% | 0.564% |
| 269    | 18.856 | 18.842 | 18.879 | HH | 63200 | 1385639 | 14.78% | 0.494% |
| 270    | 18.887 | 18.879 | 18.932 | HH | 62660 | 1966035 | 20.98% | 0.700% |
|        |        |        |        |    |       |         |        |        |
| 271    | 18.951 | 18.932 | 18.964 | HH | 63407 | 1224338 | 13.06% | 0.436% |
| 272    | 18.975 | 18.964 | 19.013 | HH | 62536 | 1821508 | 19.44% | 0.649% |
| 273    | 19.056 | 19.013 | 19.080 | HH | 73494 | 2690909 | 28.71% | 0.959% |
| 274    | 19.102 | 19.080 | 19.122 | HH | 67955 | 1657610 | 17.69% | 0.591% |
| 275    | 19.163 | 19.122 | 19.187 | HH | 68571 | 2637082 | 28.14% | 0.940% |
|        |        |        |        |    |       |         |        |        |
| 276    | 19.218 | 19.187 | 19.254 | HH | 67707 | 2656105 | 28.34% | 0.946% |
| 277    | 19.295 | 19.254 | 19.331 | HH | 73443 | 3285628 | 35.06% | 1.171% |
| 278    | 19.379 | 19.331 | 19.406 | HH | 81403 | 3489578 | 37.23% | 1.243% |
| 279    | 19.429 | 19.406 | 19.465 | HH | 84845 | 2882867 | 30.76% | 1.027% |
| 280    | 19.477 | 19.465 | 19.505 | HH | 81960 | 1934367 | 20.64% | 0.689% |
|        |        |        |        |    |       |         |        |        |
| 281    | 19.517 | 19.505 | 19.575 | HH | 80320 | 3309885 | 35.32% | 1.179% |
| 282    | 19.593 | 19.575 | 19.602 | HH | 78337 | 1250844 | 13.35% | 0.446% |
| 283    | 19.608 | 19.602 | 19.638 | HH | 78546 | 1660251 | 17.72% | 0.591% |
| 284    | 19.687 | 19.638 | 19.745 | HH | 84407 | 5185576 | 55.33% | 1.847% |
| 285    | 19.794 | 19.745 | 19.875 | HH | 86037 | 6404892 | 68.34% | 2.282% |
|        |        |        |        |    |       |         |        |        |
| 286    | 19.886 | 19.875 | 19.895 | HH | 80905 | 934081  | 9.97%  | 0.333% |
| 287    | 19.944 | 19.895 | 19.968 | HH | 88473 | 3723923 | 39.73% | 1.327% |
| 288    | 20.031 | 19.968 | 20.043 | HH | 86273 | 3775700 | 40.29% | 1.345% |
| 289    | 20.051 | 20.043 | 20.078 | HH | 85461 | 1828969 | 19.52% | 0.652% |
| 290    | 20.090 | 20.078 | 20.108 | HH | 85023 | 1520131 | 16.22% | 0.542% |
|        |        |        |        |    |       |         |        |        |
| 291    | 20.148 | 20.108 | 20.191 | HH | 89613 | 4307333 | 45.96% | 1.535% |
| 292    | 20.308 | 20.191 | 20.332 | HH | 92699 | 7588999 | 80.98% | 2.704% |
| 293    | 20.349 | 20.332 | 20.391 | HH | 92518 | 3265051 | 34.84% | 1.163% |
| 294    | 20.405 | 20.391 | 20.430 | HH | 92566 | 2141184 | 22.85% | 0.763% |
| 295    | 20.435 | 20.430 | 20.471 | HH | 91333 | 2251819 | 24.03% | 0.802% |
|        |        |        |        |    |       |         |        |        |
| 296    | 20.497 | 20.471 | 20.578 | HH | 95160 | 5873891 | 62.68% | 2.093% |
| 297    | 20.587 | 20.578 | 20.685 | HH | 90594 | 5726547 | 61.10% | 2.040% |
| 298    | 20.721 | 20.685 | 20.752 | HH | 91042 | 3629276 | 38.72% | 1.293% |
| 299    | 20.779 | 20.752 | 20.815 | HH | 91059 | 3430985 | 36.61% | 1.222% |

|     |        |        |        |    |                         |           |         |        |
|-----|--------|--------|--------|----|-------------------------|-----------|---------|--------|
|     |        |        |        |    | rteres                  |           |         |        |
| 300 | 20.829 | 20.815 | 20.857 | HH | 89877                   | 2256372   | 24.08%  | 0.804% |
| 301 | 20.875 | 20.857 | 20.938 | HH | 90528                   | 4261503   | 45.47%  | 1.518% |
| 302 | 20.954 | 20.938 | 20.964 | HH | 86655                   | 1372725   | 14.65%  | 0.489% |
| 303 | 20.975 | 20.964 | 20.995 | HH | 86835                   | 1595578   | 17.03%  | 0.568% |
| 304 | 21.018 | 20.995 | 21.032 | HH | 87110                   | 1908527   | 20.36%  | 0.680% |
| 305 | 21.082 | 21.032 | 21.212 | HH | 88875                   | 9371935   | 100.00% | 3.339% |
| 306 | 21.216 | 21.212 | 21.276 | HH | 83972                   | 3214832   | 34.30%  | 1.145% |
| 307 | 21.300 | 21.276 | 21.371 | HH | 84385                   | 4663644   | 49.76%  | 1.662% |
|     |        |        |        |    | Sum of corrected areas: | 280687448 |         |        |

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