

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE012020\  
 Data File : FE031145.D  
 Signal(s) : FID1B.CH  
 Acq On : 20 Jan 2020 19:10  
 Sample : L1166-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\FE010420.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         | 2.312       | 2.285        | 2.377      | BH       | 4036           | 31643        | 0.22%          | 0.013%        |
| 2         | 2.387       | 2.377        | 2.485      | PH       | -670           | -86331       | -0.60%         | -0.034%       |
| 3         | 2.496       | 2.485        | 2.535      | PH       | 43             | -39103       | -0.27%         | -0.015%       |
| 4         | 2.555       | 2.535        | 2.581      | PH       | 1913           | -25096       | -0.17%         | -0.010%       |
| 5         | 2.592       | 2.581        | 2.647      | PH       | -1567          | -83096       | -0.58%         | -0.033%       |
| 6         | 2.667       | 2.647        | 2.688      | PH       | -2551          | -63200       | -0.44%         | -0.025%       |
| 7         | 2.705       | 2.688        | 2.738      | PH       | -2407          | -76633       | -0.53%         | -0.030%       |
| 8         | 2.752       | 2.738        | 2.809      | PH       | -1608          | -107055      | -0.75%         | -0.042%       |
| 9         | 2.821       | 2.809        | 2.842      | PH       | -2897          | -64187       | -0.45%         | -0.025%       |
| 10        | 2.863       | 2.842        | 2.911      | PH       | -2439          | -134294      | -0.94%         | -0.053%       |
| 11        | 2.925       | 2.911        | 2.941      | PH       | -3112          | -62542       | -0.44%         | -0.025%       |
| 12        | 2.953       | 2.941        | 2.970      | PH       | -3594          | -63803       | -0.44%         | -0.025%       |
| 13        | 2.987       | 2.970        | 3.002      | PH       | -2893          | -64063       | -0.45%         | -0.025%       |
| 14        | 3.015       | 3.002        | 3.055      | PH       | -3215          | -113203      | -0.79%         | -0.045%       |
| 15        | 3.065       | 3.055        | 3.088      | PH       | -3494          | -73730       | -0.51%         | -0.029%       |
| 16        | 3.109       | 3.088        | 3.155      | PH       | -2852          | -151040      | -1.05%         | -0.060%       |
| 17        | 3.195       | 3.155        | 3.302      | PH       | 150714         | 1151714      | 8.02%          | 0.455%        |
| 18        | 3.314       | 3.302        | 3.343      | PH       | -3379          | -96262       | -0.67%         | -0.038%       |
| 19        | 3.358       | 3.343        | 3.377      | PH       | -3885          | -83016       | -0.58%         | -0.033%       |
| 20        | 3.394       | 3.377        | 3.417      | PH       | -3581          | -94712       | -0.66%         | -0.037%       |
| 21        | 3.428       | 3.417        | 3.453      | PH       | -4058          | -90175       | -0.63%         | -0.036%       |
| 22        | 3.474       | 3.453        | 3.490      | PH       | -4054          | -92990       | -0.65%         | -0.037%       |
| 23        | 3.508       | 3.490        | 3.537      | PH       | -4070          | -121619      | -0.85%         | -0.048%       |
| 24        | 3.596       | 3.537        | 3.657      | PH       | -3455          | -293604      | -2.05%         | -0.116%       |
| 25        | 3.681       | 3.657        | 3.707      | PH       | -3470          | -118585      | -0.83%         | -0.047%       |
| 26        | 3.735       | 3.707        | 3.744      | PH       | -4207          | -94503       | -0.66%         | -0.037%       |
| 27        | 3.781       | 3.744        | 3.791      | PH       | -3243          | -106653      | -0.74%         | -0.042%       |
| 28        | 3.803       | 3.791        | 3.836      | PH       | -3141          | -95278       | -0.66%         | -0.038%       |
| 29        | 3.854       | 3.836        | 3.876      | PH       | -3716          | -94421       | -0.66%         | -0.037%       |
| 30        | 3.888       | 3.876        | 3.951      | PH       | -4401          | -216865      | -1.51%         | -0.086%       |
| 31        | 3.982       | 3.951        | 4.042      | PH       | 5349           | -84334       | -0.59%         | -0.033%       |
| 32        | 4.055       | 4.042        | 4.109      | PH       | -3629          | -171794      | -1.20%         | -0.068%       |
| 33        | 4.136       | 4.109        | 4.184      | PH       | -3821          | -199889      | -1.39%         | -0.079%       |
| 34        | 4.221       | 4.184        | 4.281      | PH       | -4206          | -272595      | -1.90%         | -0.108%       |
| 35        | 4.299       | 4.281        | 4.340      | PH       | -4738          | -171128      | -1.19%         | -0.068%       |
| 36        | 4.365       | 4.340        | 4.398      | PH       | -3474          | -155563      | -1.08%         | -0.061%       |

|    |       |       |       |    | rteres |         |        |         |
|----|-------|-------|-------|----|--------|---------|--------|---------|
| 37 | 4.412 | 4.398 | 4.428 | PH | -4376  | -80169  | -0.56% | -0.032% |
| 38 | 4.439 | 4.428 | 4.451 | PH | -4526  | -65009  | -0.45% | -0.026% |
| 39 | 4.464 | 4.451 | 4.478 | PH | -4447  | -71899  | -0.50% | -0.028% |
| 40 | 4.481 | 4.478 | 4.491 | PH | -4462  | -36175  | -0.25% | -0.014% |
|    |       |       |       |    |        |         |        |         |
| 41 | 4.511 | 4.491 | 4.635 | PH | 31092  | -13752  | -0.10% | -0.005% |
| 42 | 4.644 | 4.635 | 4.675 | PH | -4659  | -114703 | -0.80% | -0.045% |
| 43 | 4.708 | 4.675 | 4.728 | PH | -4384  | -150389 | -1.05% | -0.059% |
| 44 | 4.737 | 4.728 | 4.761 | PH | -4629  | -93299  | -0.65% | -0.037% |
| 45 | 4.784 | 4.761 | 4.803 | PH | -4545  | -123836 | -0.86% | -0.049% |
|    |       |       |       |    |        |         |        |         |
| 46 | 4.817 | 4.803 | 4.842 | PH | -4690  | -113815 | -0.79% | -0.045% |
| 47 | 4.851 | 4.842 | 4.875 | PH | -5004  | -97937  | -0.68% | -0.039% |
| 48 | 4.891 | 4.875 | 4.909 | PH | -4815  | -102355 | -0.71% | -0.040% |
| 49 | 4.955 | 4.909 | 4.987 | PH | -2997  | -200521 | -1.40% | -0.079% |
| 50 | 5.003 | 4.987 | 5.029 | PH | -4136  | -110145 | -0.77% | -0.044% |
|    |       |       |       |    |        |         |        |         |
| 51 | 5.079 | 5.029 | 5.111 | PH | -2857  | -183942 | -1.28% | -0.073% |
| 52 | 5.152 | 5.111 | 5.173 | PH | -2683  | -125687 | -0.88% | -0.050% |
| 53 | 5.215 | 5.173 | 5.238 | PH | -2649  | -134121 | -0.93% | -0.053% |
| 54 | 5.253 | 5.238 | 5.279 | PH | -3589  | -96035  | -0.67% | -0.038% |
| 55 | 5.290 | 5.279 | 5.304 | PH | -4066  | -62273  | -0.43% | -0.025% |
|    |       |       |       |    |        |         |        |         |
| 56 | 5.313 | 5.304 | 5.331 | PH | -4254  | -71504  | -0.50% | -0.028% |
| 57 | 5.347 | 5.331 | 5.368 | PH | -4246  | -101499 | -0.71% | -0.040% |
| 58 | 5.395 | 5.368 | 5.418 | PH | -3121  | -118755 | -0.83% | -0.047% |
| 59 | 5.448 | 5.418 | 5.488 | PH | -3256  | -160755 | -1.12% | -0.064% |
| 60 | 5.528 | 5.488 | 5.548 | PH | -1332  | -99282  | -0.69% | -0.039% |
|    |       |       |       |    |        |         |        |         |
| 61 | 5.571 | 5.548 | 5.619 | PH | -2524  | -141991 | -0.99% | -0.056% |
| 62 | 5.640 | 5.619 | 5.652 | PH | -4030  | -81869  | -0.57% | -0.032% |
| 63 | 5.672 | 5.652 | 5.715 | PH | -3365  | -144866 | -1.01% | -0.057% |
| 64 | 5.736 | 5.715 | 5.755 | PH | -3396  | -92755  | -0.65% | -0.037% |
| 65 | 5.767 | 5.755 | 5.787 | PH | -3696  | -78777  | -0.55% | -0.031% |
|    |       |       |       |    |        |         |        |         |
| 66 | 5.806 | 5.787 | 5.828 | PH | -4153  | -106683 | -0.74% | -0.042% |
| 67 | 5.845 | 5.828 | 5.872 | PH | -3689  | -111421 | -0.78% | -0.044% |
| 68 | 5.942 | 5.872 | 5.999 | PH | -2081  | -287147 | -2.00% | -0.113% |
| 69 | 6.023 | 5.999 | 6.061 | PH | -3716  | -145013 | -1.01% | -0.057% |
| 70 | 6.086 | 6.061 | 6.137 | PH | 4196   | -87374  | -0.61% | -0.035% |
|    |       |       |       |    |        |         |        |         |
| 71 | 6.153 | 6.137 | 6.164 | PH | -3588  | -60577  | -0.42% | -0.024% |
| 72 | 6.173 | 6.164 | 6.205 | PH | -3517  | -96504  | -0.67% | -0.038% |
| 73 | 6.240 | 6.205 | 6.257 | PH | -3413  | -120526 | -0.84% | -0.048% |
| 74 | 6.268 | 6.257 | 6.291 | PH | -3638  | -78394  | -0.55% | -0.031% |
| 75 | 6.313 | 6.291 | 6.341 | PH | -3330  | -109387 | -0.76% | -0.043% |
|    |       |       |       |    |        |         |        |         |
| 76 | 6.363 | 6.341 | 6.457 | PH | -2408  | -245390 | -1.71% | -0.097% |
| 77 | 6.487 | 6.457 | 6.502 | PH | -3845  | -108101 | -0.75% | -0.043% |
| 78 | 6.520 | 6.502 | 6.558 | PH | -3851  | -134823 | -0.94% | -0.053% |
| 79 | 6.577 | 6.558 | 6.607 | PH | -3556  | -109837 | -0.77% | -0.043% |
| 80 | 6.648 | 6.607 | 6.684 | PH | -2878  | -169609 | -1.18% | -0.067% |
|    |       |       |       |    |        |         |        |         |
| 81 | 6.702 | 6.684 | 6.729 | PH | -3772  | -105358 | -0.73% | -0.042% |
| 82 | 6.743 | 6.729 | 6.754 | PH | -4053  | -60404  | -0.42% | -0.024% |
| 83 | 6.773 | 6.754 | 6.795 | PH | -3409  | -95462  | -0.66% | -0.038% |
| 84 | 6.816 | 6.795 | 6.835 | PH | -3719  | -95769  | -0.67% | -0.038% |
| 85 | 6.879 | 6.835 | 6.891 | PH | -3450  | -122686 | -0.85% | -0.048% |
|    |       |       |       |    |        |         |        |         |
| 86 | 6.928 | 6.891 | 6.962 | PH | -3035  | -139895 | -0.97% | -0.055% |
| 87 | 7.000 | 6.962 | 7.012 | PH | -1878  | -84375  | -0.59% | -0.033% |
| 88 | 7.028 | 7.012 | 7.058 | PH | -870   | -59887  | -0.42% | -0.024% |
| 89 | 7.073 | 7.058 | 7.099 | PH | -2915  | -80663  | -0.56% | -0.032% |

| rteres |        |        |        |    |       |         |        |         |
|--------|--------|--------|--------|----|-------|---------|--------|---------|
| 90     | 7.133  | 7.099  | 7.177  | PH | -2564 | -155981 | -1.09% | -0.062% |
| 91     | 7.198  | 7.177  | 7.216  | PH | -3471 | -83352  | -0.58% | -0.033% |
| 92     | 7.256  | 7.216  | 7.263  | PH | -3403 | -100611 | -0.70% | -0.040% |
| 93     | 7.293  | 7.263  | 7.308  | PH | -2685 | -81659  | -0.57% | -0.032% |
| 94     | 7.326  | 7.308  | 7.402  | PH | -132  | -118845 | -0.83% | -0.047% |
| 95     | 7.426  | 7.402  | 7.495  | PH | -2684 | -175485 | -1.22% | -0.069% |
| 96     | 7.514  | 7.495  | 7.541  | PH | -3144 | -92307  | -0.64% | -0.036% |
| 97     | 7.581  | 7.541  | 7.633  | PH | -863  | -147580 | -1.03% | -0.058% |
| 98     | 7.645  | 7.633  | 7.677  | PH | -3340 | -93274  | -0.65% | -0.037% |
| 99     | 7.708  | 7.677  | 7.721  | PH | -2800 | -85115  | -0.59% | -0.034% |
| 100    | 7.747  | 7.721  | 7.790  | PH | -342  | -102519 | -0.71% | -0.041% |
| 101    | 7.801  | 7.790  | 7.811  | PH | -3389 | -44281  | -0.31% | -0.018% |
| 102    | 7.820  | 7.811  | 7.835  | PH | -3417 | -50727  | -0.35% | -0.020% |
| 103    | 7.902  | 7.835  | 7.960  | PH | -2316 | -227282 | -1.58% | -0.090% |
| 104    | 7.995  | 7.960  | 8.030  | PH | -2671 | -120601 | -0.84% | -0.048% |
| 105    | 8.063  | 8.030  | 8.115  | PH | 4515  | -36973  | -0.26% | -0.015% |
| 106    | 8.136  | 8.115  | 8.152  | PH | 141   | -18516  | -0.13% | -0.007% |
| 107    | 8.167  | 8.152  | 8.205  | PH | 367   | -44702  | -0.31% | -0.018% |
| 108    | 8.229  | 8.205  | 8.345  | PH | 36811 | 399844  | 2.79%  | 0.158%  |
| 109    | 8.355  | 8.345  | 8.368  | PH | -1694 | -24803  | -0.17% | -0.010% |
| 110    | 8.390  | 8.368  | 8.429  | PH | -1329 | -64471  | -0.45% | -0.025% |
| 111    | 8.446  | 8.429  | 8.476  | PH | -2018 | -61021  | -0.43% | -0.024% |
| 112    | 8.491  | 8.476  | 8.508  | PH | -2223 | -45713  | -0.32% | -0.018% |
| 113    | 8.528  | 8.508  | 8.555  | PH | -1408 | -59127  | -0.41% | -0.023% |
| 114    | 8.598  | 8.555  | 8.635  | PH | 466   | -51837  | -0.36% | -0.020% |
| 115    | 8.654  | 8.635  | 8.686  | PH | -724  | -39128  | -0.27% | -0.015% |
| 116    | 8.700  | 8.686  | 8.741  | PH | -1451 | -67067  | -0.47% | -0.027% |
| 117    | 8.775  | 8.741  | 8.801  | PH | -1472 | -73449  | -0.51% | -0.029% |
| 118    | 8.815  | 8.801  | 8.836  | PH | -1774 | -39753  | -0.28% | -0.016% |
| 119    | 8.856  | 8.836  | 8.872  | PH | -1397 | -37068  | -0.26% | -0.015% |
| 120    | 8.912  | 8.872  | 8.964  | PH | 2276  | -50997  | -0.36% | -0.020% |
| 121    | 8.990  | 8.964  | 9.092  | PH | 417   | -87803  | -0.61% | -0.035% |
| 122    | 9.138  | 9.092  | 9.149  | PH | -1676 | -65033  | -0.45% | -0.026% |
| 123    | 9.169  | 9.149  | 9.211  | PH | -1153 | -57997  | -0.40% | -0.023% |
| 124    | 9.221  | 9.211  | 9.238  | PH | -1645 | -29996  | -0.21% | -0.012% |
| 125    | 9.290  | 9.238  | 9.308  | PH | 1640  | -26787  | -0.19% | -0.011% |
| 126    | 9.329  | 9.308  | 9.352  | PH | 4177  | 43812   | 0.31%  | 0.017%  |
| 127    | 9.373  | 9.352  | 9.417  | HH | 4412  | 59266   | 0.41%  | 0.023%  |
| 128    | 9.439  | 9.417  | 9.468  | PH | 3933  | 61343   | 0.43%  | 0.024%  |
| 129    | 9.479  | 9.468  | 9.523  | HH | 981   | 3791    | 0.03%  | 0.001%  |
| 130    | 9.545  | 9.523  | 9.575  | PH | -404  | -28659  | -0.20% | -0.011% |
| 131    | 9.603  | 9.575  | 9.628  | PH | 2253  | -1676   | -0.01% | -0.001% |
| 132    | 9.644  | 9.628  | 9.671  | PH | -1142 | -32127  | -0.22% | -0.013% |
| 133    | 9.710  | 9.671  | 9.717  | PH | 3127  | 13874   | 0.10%  | 0.005%  |
| 134    | 9.738  | 9.717  | 9.855  | HH | 11524 | 342869  | 2.39%  | 0.136%  |
| 135    | 9.877  | 9.855  | 9.907  | HH | 630   | 5775    | 0.04%  | 0.002%  |
| 136    | 9.923  | 9.907  | 9.971  | PH | -99   | -22424  | -0.16% | -0.009% |
| 137    | 9.988  | 9.971  | 10.030 | PH | -940  | -37242  | -0.26% | -0.015% |
| 138    | 10.045 | 10.030 | 10.065 | PH | -1093 | -24100  | -0.17% | -0.010% |
| 139    | 10.106 | 10.065 | 10.135 | PH | 83    | -26085  | -0.18% | -0.010% |
| 140    | 10.159 | 10.135 | 10.179 | PH | 527   | -825    | -0.01% | -0.000% |
| 141    | 10.217 | 10.179 | 10.235 | PH | -190  | -11199  | -0.08% | -0.004% |

|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 142 | 10.245 | 10.235 | 10.267 | PH | -86    | -8755   | -0.06% | -0.003% |
| 143 | 10.288 | 10.267 | 10.314 | PH | 23     | -11399  | -0.08% | -0.005% |
| 144 | 10.324 | 10.314 | 10.343 | PH | -567   | -11657  | -0.08% | -0.005% |
| 145 | 10.415 | 10.343 | 10.453 | PH | 1894   | 15948   | 0.11%  | 0.006%  |
| 146 | 10.463 | 10.453 | 10.471 | PH | -155   | -2312   | -0.02% | -0.001% |
| 147 | 10.510 | 10.471 | 10.546 | PH | 3173   | 38462   | 0.27%  | 0.015%  |
| 148 | 10.578 | 10.546 | 10.597 | PH | 692    | 6065    | 0.04%  | 0.002%  |
| 149 | 10.608 | 10.597 | 10.618 | PH | 98     | 284     | 0.00%  | 0.000%  |
| 150 | 10.634 | 10.618 | 10.675 | PH | 400    | 2365    | 0.02%  | 0.001%  |
| 151 | 10.697 | 10.675 | 10.718 | PH | 2426   | 19953   | 0.14%  | 0.008%  |
| 152 | 10.729 | 10.718 | 10.751 | PH | 158    | 68      | 0.00%  | 0.000%  |
| 153 | 10.792 | 10.751 | 10.812 | PH | 1920   | 37507   | 0.26%  | 0.015%  |
| 154 | 10.847 | 10.812 | 10.865 | HH | 685    | 14247   | 0.10%  | 0.006%  |
| 155 | 10.886 | 10.865 | 10.905 | HH | 850    | 12801   | 0.09%  | 0.005%  |
| 156 | 10.920 | 10.905 | 10.955 | HH | 643    | 9556    | 0.07%  | 0.004%  |
| 157 | 10.961 | 10.955 | 10.992 | HH | 141    | -4611   | -0.03% | -0.002% |
| 158 | 11.021 | 10.992 | 11.051 | PH | 56     | -7807   | -0.05% | -0.003% |
| 159 | 11.072 | 11.051 | 11.100 | PH | 59     | -4790   | -0.03% | -0.002% |
| 160 | 11.151 | 11.100 | 11.178 | PH | 532    | 1010    | 0.01%  | 0.000%  |
| 161 | 11.212 | 11.178 | 11.243 | PH | 2678   | 30798   | 0.21%  | 0.012%  |
| 162 | 11.271 | 11.243 | 11.328 | HH | 8170   | 117061  | 0.82%  | 0.046%  |
| 163 | 11.371 | 11.328 | 11.391 | HH | 2993   | 38018   | 0.26%  | 0.015%  |
| 164 | 11.431 | 11.391 | 11.457 | HH | 20316  | 255723  | 1.78%  | 0.101%  |
| 165 | 11.480 | 11.457 | 11.544 | HH | 20207  | 284512  | 1.98%  | 0.112%  |
| 166 | 11.568 | 11.544 | 11.587 | HH | 1035   | 18816   | 0.13%  | 0.007%  |
| 167 | 11.604 | 11.587 | 11.626 | HH | 876    | 16952   | 0.12%  | 0.007%  |
| 168 | 11.646 | 11.626 | 11.661 | HH | 1002   | 17146   | 0.12%  | 0.007%  |
| 169 | 11.695 | 11.661 | 11.715 | HH | 2755   | 47436   | 0.33%  | 0.019%  |
| 170 | 11.729 | 11.715 | 11.797 | HH | 1050   | 27336   | 0.19%  | 0.011%  |
| 171 | 11.823 | 11.797 | 11.836 | HH | 509    | 6988    | 0.05%  | 0.003%  |
| 172 | 11.884 | 11.836 | 11.918 | HH | 2346   | 51070   | 0.36%  | 0.020%  |
| 173 | 11.937 | 11.918 | 11.950 | HH | 1024   | 15293   | 0.11%  | 0.006%  |
| 174 | 11.976 | 11.950 | 12.091 | HH | 10165  | 188605  | 1.31%  | 0.075%  |
| 175 | 12.154 | 12.091 | 12.212 | HH | 192512 | 2915482 | 20.31% | 1.152%  |
| 176 | 12.228 | 12.212 | 12.285 | HH | 3140   | 106045  | 0.74%  | 0.042%  |
| 177 | 12.294 | 12.285 | 12.317 | HH | 1775   | 30253   | 0.21%  | 0.012%  |
| 178 | 12.334 | 12.317 | 12.356 | HH | 1498   | 31878   | 0.22%  | 0.013%  |
| 179 | 12.365 | 12.356 | 12.425 | HH | 1342   | 46303   | 0.32%  | 0.018%  |
| 180 | 12.470 | 12.425 | 12.497 | HH | 1542   | 53756   | 0.37%  | 0.021%  |
| 181 | 12.524 | 12.497 | 12.565 | HH | 4119   | 85842   | 0.60%  | 0.034%  |
| 182 | 12.592 | 12.565 | 12.648 | HH | 2196   | 69480   | 0.48%  | 0.027%  |
| 183 | 12.669 | 12.648 | 12.701 | HH | 1947   | 44143   | 0.31%  | 0.017%  |
| 184 | 12.711 | 12.701 | 12.722 | HH | 1110   | 12408   | 0.09%  | 0.005%  |
| 185 | 12.783 | 12.722 | 12.831 | HH | 9655   | 206650  | 1.44%  | 0.082%  |
| 186 | 12.886 | 12.831 | 12.910 | HH | 2315   | 81994   | 0.57%  | 0.032%  |
| 187 | 12.936 | 12.910 | 12.989 | HH | 4209   | 116677  | 0.81%  | 0.046%  |
| 188 | 13.020 | 12.989 | 13.062 | HH | 1997   | 71729   | 0.50%  | 0.028%  |
| 189 | 13.083 | 13.062 | 13.110 | HH | 1756   | 45019   | 0.31%  | 0.018%  |
| 190 | 13.156 | 13.110 | 13.187 | HH | 13970  | 301580  | 2.10%  | 0.119%  |
| 191 | 13.209 | 13.187 | 13.227 | HH | 8947   | 155326  | 1.08%  | 0.061%  |
| 192 | 13.239 | 13.227 | 13.308 | HH | 5907   | 167777  | 1.17%  | 0.066%  |
| 193 | 13.378 | 13.308 | 13.407 | HH | 86652  | 1295337 | 9.02%  | 0.512%  |
| 194 | 13.420 | 13.407 | 13.471 | HH | 8846   | 190221  | 1.32%  | 0.075%  |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 13.481 | 13.471 | 13.505 | HH | 2914   | 55947   | 0.39%  | 0.022% |
| 196 | 13.526 | 13.505 | 13.564 | HH | 3850   | 108846  | 0.76%  | 0.043% |
| 197 | 13.577 | 13.564 | 13.614 | HH | 2682   | 77015   | 0.54%  | 0.030% |
| 198 | 13.677 | 13.614 | 13.698 | HH | 6220   | 182558  | 1.27%  | 0.072% |
| 199 | 13.724 | 13.698 | 13.807 | HH | 16759  | 372713  | 2.60%  | 0.147% |
| 200 | 13.835 | 13.807 | 13.896 | HH | 4126   | 160099  | 1.12%  | 0.063% |
| 201 | 13.952 | 13.896 | 13.981 | HH | 3069   | 145128  | 1.01%  | 0.057% |
| 202 | 13.990 | 13.981 | 14.026 | HH | 2919   | 77961   | 0.54%  | 0.031% |
| 203 | 14.053 | 14.026 | 14.061 | HH | 3029   | 60389   | 0.42%  | 0.024% |
| 204 | 14.085 | 14.061 | 14.101 | HH | 4333   | 88411   | 0.62%  | 0.035% |
| 205 | 14.129 | 14.101 | 14.171 | HH | 12131  | 286163  | 1.99%  | 0.113% |
| 206 | 14.195 | 14.171 | 14.255 | HH | 4327   | 189775  | 1.32%  | 0.075% |
| 207 | 14.289 | 14.255 | 14.330 | HH | 16127  | 369678  | 2.57%  | 0.146% |
| 208 | 14.350 | 14.330 | 14.371 | HH | 6387   | 139329  | 0.97%  | 0.055% |
| 209 | 14.387 | 14.371 | 14.421 | HH | 5471   | 143469  | 1.00%  | 0.057% |
| 210 | 14.439 | 14.421 | 14.470 | HH | 4807   | 128980  | 0.90%  | 0.051% |
| 211 | 14.513 | 14.470 | 14.545 | HH | 7718   | 239457  | 1.67%  | 0.095% |
| 212 | 14.631 | 14.545 | 14.669 | HH | 507314 | 7335687 | 51.10% | 2.899% |
| 213 | 14.686 | 14.669 | 14.750 | HH | 8926   | 310646  | 2.16%  | 0.123% |
| 214 | 14.831 | 14.750 | 14.861 | HH | 27253  | 688993  | 4.80%  | 0.272% |
| 215 | 14.876 | 14.861 | 14.952 | HH | 6509   | 300357  | 2.09%  | 0.119% |
| 216 | 14.969 | 14.952 | 14.985 | HH | 5157   | 100900  | 0.70%  | 0.040% |
| 217 | 15.031 | 14.985 | 15.050 | HH | 5905   | 211352  | 1.47%  | 0.084% |
| 218 | 15.081 | 15.050 | 15.106 | HH | 6473   | 202424  | 1.41%  | 0.080% |
| 219 | 15.168 | 15.106 | 15.183 | HH | 7558   | 303038  | 2.11%  | 0.120% |
| 220 | 15.218 | 15.183 | 15.307 | HH | 180902 | 3484189 | 24.27% | 1.377% |
| 221 | 15.352 | 15.307 | 15.390 | HH | 41311  | 869851  | 6.06%  | 0.344% |
| 222 | 15.419 | 15.390 | 15.471 | HH | 16026  | 484137  | 3.37%  | 0.191% |
| 223 | 15.479 | 15.471 | 15.497 | HH | 7797   | 122726  | 0.85%  | 0.049% |
| 224 | 15.527 | 15.497 | 15.550 | HH | 8509   | 258974  | 1.80%  | 0.102% |
| 225 | 15.583 | 15.550 | 15.615 | HH | 9301   | 343452  | 2.39%  | 0.136% |
| 226 | 15.673 | 15.615 | 15.700 | HH | 10757  | 478988  | 3.34%  | 0.189% |
| 227 | 15.738 | 15.700 | 15.793 | HH | 14017  | 606447  | 4.22%  | 0.240% |
| 228 | 15.853 | 15.793 | 15.908 | HH | 72004  | 1507006 | 10.50% | 0.596% |
| 229 | 15.914 | 15.908 | 15.937 | HH | 9910   | 165879  | 1.16%  | 0.066% |
| 230 | 15.960 | 15.937 | 15.974 | HH | 9962   | 217541  | 1.52%  | 0.086% |
| 231 | 15.986 | 15.974 | 15.991 | HH | 10007  | 100962  | 0.70%  | 0.040% |
| 232 | 16.024 | 15.991 | 16.040 | HH | 10679  | 307075  | 2.14%  | 0.121% |
| 233 | 16.079 | 16.040 | 16.118 | HH | 11657  | 522958  | 3.64%  | 0.207% |
| 234 | 16.145 | 16.118 | 16.188 | HH | 16204  | 570880  | 3.98%  | 0.226% |
| 235 | 16.238 | 16.188 | 16.277 | HH | 26919  | 917727  | 6.39%  | 0.363% |
| 236 | 16.338 | 16.277 | 16.388 | HH | 102159 | 2117751 | 14.75% | 0.837% |
| 237 | 16.418 | 16.388 | 16.455 | HH | 16171  | 567177  | 3.95%  | 0.224% |
| 238 | 16.475 | 16.455 | 16.485 | HH | 14063  | 247649  | 1.72%  | 0.098% |
| 239 | 16.498 | 16.485 | 16.515 | HH | 13895  | 248922  | 1.73%  | 0.098% |
| 240 | 16.558 | 16.515 | 16.593 | HH | 14833  | 662651  | 4.62%  | 0.262% |
| 241 | 16.637 | 16.593 | 16.661 | HH | 18006  | 655504  | 4.57%  | 0.259% |
| 242 | 16.686 | 16.661 | 16.705 | HH | 17712  | 443576  | 3.09%  | 0.175% |
| 243 | 16.723 | 16.705 | 16.747 | HH | 17144  | 413401  | 2.88%  | 0.163% |
| 244 | 16.806 | 16.747 | 16.838 | HH | 153219 | 2792833 | 19.45% | 1.104% |
| 245 | 16.851 | 16.838 | 16.873 | HH | 21007  | 404347  | 2.82%  | 0.160% |
| 246 | 16.882 | 16.873 | 16.905 | HH | 17981  | 340715  | 2.37%  | 0.135% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 247    | 16.932 | 16.905 | 16.945 | HH | 17999  | 424948   | 2.96%   | 0.168% |
| 248    | 16.963 | 16.945 | 16.977 | HH | 18147  | 350426   | 2.44%   | 0.139% |
| 249    | 17.044 | 16.977 | 17.055 | HH | 19356  | 871261   | 6.07%   | 0.344% |
| 250    | 17.095 | 17.055 | 17.118 | HH | 23215  | 785601   | 5.47%   | 0.311% |
|        |        |        |        |    |        |          |         |        |
| 251    | 17.143 | 17.118 | 17.159 | HH | 23021  | 529546   | 3.69%   | 0.209% |
| 252    | 17.184 | 17.159 | 17.216 | HH | 26549  | 808804   | 5.63%   | 0.320% |
| 253    | 17.258 | 17.216 | 17.308 | HH | 157531 | 3080339  | 21.46%  | 1.217% |
| 254    | 17.340 | 17.308 | 17.357 | HH | 22497  | 641756   | 4.47%   | 0.254% |
| 255    | 17.374 | 17.357 | 17.394 | HH | 22558  | 495685   | 3.45%   | 0.196% |
|        |        |        |        |    |        |          |         |        |
| 256    | 17.467 | 17.394 | 17.500 | HH | 24535  | 1494952  | 10.41%  | 0.591% |
| 257    | 17.538 | 17.500 | 17.562 | HH | 29282  | 968231   | 6.74%   | 0.383% |
| 258    | 17.586 | 17.562 | 17.608 | HH | 28306  | 727624   | 5.07%   | 0.288% |
| 259    | 17.648 | 17.608 | 17.662 | HH | 30237  | 911657   | 6.35%   | 0.360% |
| 260    | 17.696 | 17.662 | 17.731 | HH | 168356 | 3156033  | 21.98%  | 1.247% |
|        |        |        |        |    |        |          |         |        |
| 261    | 17.785 | 17.731 | 17.806 | HH | 32975  | 1374106  | 9.57%   | 0.543% |
| 262    | 17.838 | 17.806 | 17.882 | HH | 38438  | 1503115  | 10.47%  | 0.594% |
| 263    | 17.919 | 17.882 | 17.939 | HH | 33702  | 1125882  | 7.84%   | 0.445% |
| 264    | 17.967 | 17.939 | 17.986 | HH | 37090  | 977546   | 6.81%   | 0.386% |
| 265    | 18.014 | 17.986 | 18.035 | HH | 47647  | 1162262  | 8.10%   | 0.459% |
|        |        |        |        |    |        |          |         |        |
| 266    | 18.063 | 18.035 | 18.092 | HH | 91498  | 2155256  | 15.01%  | 0.852% |
| 267    | 18.119 | 18.092 | 18.157 | HH | 148625 | 3000209  | 20.90%  | 1.186% |
| 268    | 18.212 | 18.157 | 18.243 | HH | 42882  | 1985266  | 13.83%  | 0.785% |
| 269    | 18.335 | 18.243 | 18.345 | HH | 39243  | 2343738  | 16.33%  | 0.926% |
| 270    | 18.382 | 18.345 | 18.404 | HH | 44437  | 1480720  | 10.31%  | 0.585% |
|        |        |        |        |    |        |          |         |        |
| 271    | 18.428 | 18.404 | 18.455 | HH | 43397  | 1266326  | 8.82%   | 0.501% |
| 272    | 18.528 | 18.455 | 18.579 | HH | 118748 | 4361167  | 30.38%  | 1.724% |
| 273    | 18.633 | 18.579 | 18.651 | HH | 47848  | 1993787  | 13.89%  | 0.788% |
| 274    | 18.679 | 18.651 | 18.710 | HH | 47906  | 1665135  | 11.60%  | 0.658% |
| 275    | 18.786 | 18.710 | 18.804 | HH | 50786  | 2754987  | 19.19%  | 1.089% |
|        |        |        |        |    |        |          |         |        |
| 276    | 18.834 | 18.804 | 18.854 | HH | 51894  | 1520037  | 10.59%  | 0.601% |
| 277    | 18.892 | 18.854 | 18.911 | HH | 88888  | 2437174  | 16.98%  | 0.963% |
| 278    | 18.928 | 18.911 | 18.978 | HH | 86659  | 2759003  | 19.22%  | 1.090% |
| 279    | 19.001 | 18.978 | 19.020 | HH | 56113  | 1414802  | 9.85%   | 0.559% |
| 280    | 19.128 | 19.020 | 19.150 | HH | 65502  | 4614070  | 32.14%  | 1.824% |
|        |        |        |        |    |        |          |         |        |
| 281    | 19.174 | 19.150 | 19.191 | HH | 61772  | 1523366  | 10.61%  | 0.602% |
| 282    | 19.220 | 19.191 | 19.237 | HH | 64176  | 1732158  | 12.07%  | 0.685% |
| 283    | 19.313 | 19.237 | 19.341 | HH | 77719  | 4234783  | 29.50%  | 1.674% |
| 284    | 19.376 | 19.341 | 19.396 | HH | 73924  | 2328451  | 16.22%  | 0.920% |
| 285    | 19.423 | 19.396 | 19.451 | HH | 74671  | 2421698  | 16.87%  | 0.957% |
|        |        |        |        |    |        |          |         |        |
| 286    | 19.484 | 19.451 | 19.513 | HH | 77538  | 2762546  | 19.24%  | 1.092% |
| 287    | 19.595 | 19.513 | 19.614 | HH | 79873  | 4686225  | 32.64%  | 1.852% |
| 288    | 19.674 | 19.614 | 19.739 | HH | 97295  | 6501100  | 45.28%  | 2.569% |
| 289    | 19.836 | 19.739 | 19.843 | HH | 89544  | 5408391  | 37.67%  | 2.138% |
| 290    | 19.896 | 19.843 | 19.907 | HH | 95043  | 3512026  | 24.46%  | 1.388% |
|        |        |        |        |    |        |          |         |        |
| 291    | 19.936 | 19.907 | 19.962 | HH | 101099 | 3250083  | 22.64%  | 1.285% |
| 292    | 20.055 | 19.962 | 20.077 | HH | 106670 | 6950013  | 48.41%  | 2.747% |
| 293    | 20.216 | 20.077 | 20.248 | HH | 131880 | 11353396 | 79.08%  | 4.487% |
| 294    | 20.410 | 20.248 | 20.450 | HH | 124556 | 14356540 | 100.00% | 5.674% |
| 295    | 20.462 | 20.450 | 20.471 | HH | 122173 | 1564747  | 10.90%  | 0.618% |
|        |        |        |        |    |        |          |         |        |
| 296    | 20.526 | 20.471 | 20.594 | HH | 123334 | 9055850  | 63.08%  | 3.579% |
| 297    | 20.625 | 20.594 | 20.655 | HH | 122180 | 4488531  | 31.26%  | 1.774% |
| 298    | 20.671 | 20.655 | 20.680 | HH | 122461 | 1822869  | 12.70%  | 0.720% |
| 299    | 20.706 | 20.680 | 20.739 | HH | 123407 | 4352465  | 30.32%  | 1.720% |

|     |        |        |        |     |                         |         |           |        |
|-----|--------|--------|--------|-----|-------------------------|---------|-----------|--------|
|     |        |        |        |     |                         | rteres  |           |        |
| 300 | 20.783 | 20.739 | 20.821 | HH  | 125210                  | 6062174 | 42.23%    | 2.396% |
| 301 | 20.857 | 20.821 | 20.893 | HH  | 123503                  | 5322881 | 37.08%    | 2.104% |
| 302 | 20.923 | 20.893 | 20.985 | HH  | 123623                  | 6780282 | 47.23%    | 2.680% |
| 303 | 21.015 | 20.985 | 21.044 | HH  | 123176                  | 4390851 | 30.58%    | 1.735% |
| 304 | 21.055 | 21.044 | 21.066 | HH  | 122903                  | 1608336 | 11.20%    | 0.636% |
| 305 | 21.112 | 21.066 | 21.167 | HH  | 123663                  | 7430525 | 51.76%    | 2.937% |
| 306 | 21.203 | 21.167 | 21.278 | HH  | 124296                  | 8220223 | 57.26%    | 3.249% |
| 307 | 21.287 | 21.278 | 21.318 | HH  | 123128                  | 2923298 | 20.36%    | 1.155% |
| 308 | 21.329 | 21.318 | 21.334 | HH  | 122429                  | 1172384 | 8.17%     | 0.463% |
| 309 | 21.355 | 21.334 | 21.371 | HH  | 123002                  | 2772105 | 19.31%    | 1.096% |
| 310 | 21.381 | 21.371 | 21.421 | HH  | 122812                  | 3676254 | 25.61%    | 1.453% |
| 311 | 21.441 | 21.421 | 21.527 | HH  | 122785                  | 7715722 | 53.74%    | 3.050% |
| 312 | 21.579 | 21.527 | 21.601 | HH  | 122782                  | 5435020 | 37.86%    | 2.148% |
| 313 | 21.615 | 21.601 | 21.648 | HH  | 122747                  | 3488624 | 24.30%    | 1.379% |
| 314 | 21.675 | 21.648 | 21.751 | HHA | 123077                  | 7659361 | 53.35%    | 3.027% |
|     |        |        |        |     | Sum of corrected areas: |         | 253010925 |        |

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