

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE052820\  
 Data File : FE032094.D  
 Signal(s) : FID1B.CH  
 Acq On : 28 May 2020 18:50  
 Sample : L2791-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\FE050720.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         | 2.134       | 2.105        | 2.167      | BH       | 244            | -960         | -0.01%         | -0.000%       |
| 2         | 2.182       | 2.167        | 2.201      | PH       | -44            | -3943        | -0.03%         | -0.002%       |
| 3         | 2.215       | 2.201        | 2.308      | PH       | -157           | -36384       | -0.29%         | -0.015%       |
| 4         | 2.345       | 2.308        | 2.367      | PH       | 2650           | 7291         | 0.06%          | 0.003%        |
| 5         | 2.379       | 2.367        | 2.501      | PH       | 509            | -79622       | -0.63%         | -0.032%       |
| 6         | 2.516       | 2.501        | 2.532      | PH       | -1380          | -26910       | -0.21%         | -0.011%       |
| 7         | 2.542       | 2.532        | 2.579      | PH       | -1287          | -41226       | -0.33%         | -0.017%       |
| 8         | 2.588       | 2.579        | 2.597      | PH       | -1553          | -16886       | -0.13%         | -0.007%       |
| 9         | 2.611       | 2.597        | 2.630      | PH       | -1531          | -31104       | -0.25%         | -0.013%       |
| 10        | 2.652       | 2.630        | 2.674      | PH       | -1382          | -40702       | -0.32%         | -0.017%       |
| 11        | 2.692       | 2.674        | 2.714      | PH       | -1505          | -38433       | -0.30%         | -0.016%       |
| 12        | 2.763       | 2.714        | 2.775      | PH       | -1598          | -60374       | -0.48%         | -0.025%       |
| 13        | 2.791       | 2.775        | 2.822      | PH       | -1699          | -49138       | -0.39%         | -0.020%       |
| 14        | 2.851       | 2.822        | 2.862      | PH       | -1688          | -43129       | -0.34%         | -0.018%       |
| 15        | 2.892       | 2.862        | 2.914      | PH       | -1465          | -51778       | -0.41%         | -0.021%       |
| 16        | 2.927       | 2.914        | 2.971      | PH       | -1731          | -62409       | -0.49%         | -0.025%       |
| 17        | 2.983       | 2.971        | 2.991      | PH       | -1831          | -23551       | -0.19%         | -0.010%       |
| 18        | 2.999       | 2.991        | 3.038      | PH       | -1818          | -54033       | -0.43%         | -0.022%       |
| 19        | 3.062       | 3.038        | 3.074      | PH       | -1714          | -39525       | -0.31%         | -0.016%       |
| 20        | 3.094       | 3.074        | 3.146      | PH       | -1461          | -76159       | -0.60%         | -0.031%       |
| 21        | 3.161       | 3.146        | 3.195      | PH       | -1753          | -56358       | -0.45%         | -0.023%       |
| 22        | 3.203       | 3.195        | 3.215      | PH       | -1917          | -23916       | -0.19%         | -0.010%       |
| 23        | 3.234       | 3.215        | 3.279      | PH       | -1793          | -75787       | -0.60%         | -0.031%       |
| 24        | 3.298       | 3.279        | 3.313      | PH       | -2028          | -42352       | -0.34%         | -0.017%       |
| 25        | 3.336       | 3.313        | 3.384      | PH       | -1645          | -84100       | -0.67%         | -0.034%       |
| 26        | 3.410       | 3.384        | 3.446      | PH       | -1776          | -72731       | -0.58%         | -0.030%       |
| 27        | 3.464       | 3.446        | 3.493      | PH       | -1957          | -56901       | -0.45%         | -0.023%       |
| 28        | 3.543       | 3.493        | 3.559      | PH       | -1652          | -75471       | -0.60%         | -0.031%       |
| 29        | 3.569       | 3.559        | 3.580      | PH       | -1827          | -23704       | -0.19%         | -0.010%       |
| 30        | 3.593       | 3.580        | 3.648      | PH       | -1692          | -79853       | -0.63%         | -0.033%       |
| 31        | 3.670       | 3.648        | 3.698      | PH       | -1904          | -59503       | -0.47%         | -0.024%       |
| 32        | 3.756       | 3.698        | 3.802      | PH       | -1752          | -119972      | -0.95%         | -0.049%       |
| 33        | 3.818       | 3.802        | 3.862      | PH       | -1938          | -71918       | -0.57%         | -0.029%       |
| 34        | 3.888       | 3.862        | 3.916      | PH       | -1528          | -60180       | -0.48%         | -0.025%       |
| 35        | 3.942       | 3.916        | 3.987      | PH       | -1793          | -80374       | -0.64%         | -0.033%       |
| 36        | 4.001       | 3.987        | 4.012      | PH       | -1893          | -29134       | -0.23%         | -0.012%       |

| rteres |       |       |       |    |       |         |        |         |
|--------|-------|-------|-------|----|-------|---------|--------|---------|
| 37     | 4.024 | 4.012 | 4.034 | PH | -1933 | -25048  | -0.20% | -0.010% |
| 38     | 4.101 | 4.034 | 4.182 | PH | -424  | -126370 | -1.00% | -0.052% |
| 39     | 4.219 | 4.182 | 4.234 | PH | -1468 | -50856  | -0.40% | -0.021% |
| 40     | 4.245 | 4.234 | 4.269 | PH | -1584 | -35497  | -0.28% | -0.014% |
|        |       |       |       |    |       |         |        |         |
| 41     | 4.296 | 4.269 | 4.362 | PH | 546   | -37730  | -0.30% | -0.015% |
| 42     | 4.397 | 4.362 | 4.422 | PH | -822  | -35966  | -0.29% | -0.015% |
| 43     | 4.449 | 4.422 | 4.474 | PH | -680  | -33567  | -0.27% | -0.014% |
| 44     | 4.483 | 4.474 | 4.530 | PH | -1265 | -45770  | -0.36% | -0.019% |
| 45     | 4.547 | 4.530 | 4.595 | PH | -1159 | -51720  | -0.41% | -0.021% |
|        |       |       |       |    |       |         |        |         |
| 46     | 4.614 | 4.595 | 4.659 | PH | -1226 | -52113  | -0.41% | -0.021% |
| 47     | 4.668 | 4.659 | 4.685 | PH | -1351 | -21997  | -0.17% | -0.009% |
| 48     | 4.708 | 4.685 | 4.743 | PH | -739  | -39298  | -0.31% | -0.016% |
| 49     | 4.757 | 4.743 | 4.785 | PH | -1336 | -35829  | -0.28% | -0.015% |
| 50     | 4.796 | 4.785 | 4.833 | PH | -1319 | -40085  | -0.32% | -0.016% |
|        |       |       |       |    |       |         |        |         |
| 51     | 4.888 | 4.833 | 4.908 | PH | -760  | -53276  | -0.42% | -0.022% |
| 52     | 4.914 | 4.908 | 4.943 | PH | -1042 | -23544  | -0.19% | -0.010% |
| 53     | 4.964 | 4.943 | 4.978 | PH | -1184 | -26586  | -0.21% | -0.011% |
| 54     | 4.998 | 4.978 | 5.035 | PH | -1132 | -42032  | -0.33% | -0.017% |
| 55     | 5.087 | 5.035 | 5.119 | PH | -961  | -60280  | -0.48% | -0.025% |
|        |       |       |       |    |       |         |        |         |
| 56     | 5.151 | 5.119 | 5.161 | PH | -1224 | -33429  | -0.27% | -0.014% |
| 57     | 5.185 | 5.161 | 5.206 | PH | -916  | -28866  | -0.23% | -0.012% |
| 58     | 5.220 | 5.206 | 5.272 | PH | -1064 | -46823  | -0.37% | -0.019% |
| 59     | 5.325 | 5.272 | 5.368 | PH | -334  | -52538  | -0.42% | -0.021% |
| 60     | 5.404 | 5.368 | 5.442 | PH | -684  | -39631  | -0.31% | -0.016% |
|        |       |       |       |    |       |         |        |         |
| 61     | 5.448 | 5.442 | 5.466 | PH | -964  | -14891  | -0.12% | -0.006% |
| 62     | 5.526 | 5.466 | 5.545 | PH | -455  | -38249  | -0.30% | -0.016% |
| 63     | 5.561 | 5.545 | 5.582 | PH | -682  | -17565  | -0.14% | -0.007% |
| 64     | 5.614 | 5.582 | 5.645 | PH | -497  | -29891  | -0.24% | -0.012% |
| 65     | 5.692 | 5.645 | 5.738 | PH | -646  | -46222  | -0.37% | -0.019% |
|        |       |       |       |    |       |         |        |         |
| 66     | 5.760 | 5.738 | 5.785 | PH | -625  | -22050  | -0.17% | -0.009% |
| 67     | 5.840 | 5.785 | 5.915 | PH | 3102  | 2820    | 0.02%  | 0.001%  |
| 68     | 5.931 | 5.915 | 6.000 | PH | -67   | -15466  | -0.12% | -0.006% |
| 69     | 6.028 | 6.000 | 6.048 | PH | 617   | 1719    | 0.01%  | 0.001%  |
| 70     | 6.065 | 6.048 | 6.095 | PH | 350   | 3253    | 0.03%  | 0.001%  |
|        |       |       |       |    |       |         |        |         |
| 71     | 6.115 | 6.095 | 6.154 | PH | 608   | 4620    | 0.04%  | 0.002%  |
| 72     | 6.188 | 6.154 | 6.222 | PH | 459   | 881     | 0.01%  | 0.000%  |
| 73     | 6.227 | 6.222 | 6.238 | PH | -182  | -1942   | -0.02% | -0.001% |
| 74     | 6.257 | 6.238 | 6.267 | PH | -57   | -2249   | -0.02% | -0.001% |
| 75     | 6.282 | 6.267 | 6.319 | PH | 120   | -100    | -0.00% | -0.000% |
|        |       |       |       |    |       |         |        |         |
| 76     | 6.336 | 6.319 | 6.365 | PH | 94    | -2324   | -0.02% | -0.001% |
| 77     | 6.387 | 6.365 | 6.424 | PH | 683   | 4373    | 0.03%  | 0.002%  |
| 78     | 6.434 | 6.424 | 6.451 | PH | 9     | -786    | -0.01% | -0.000% |
| 79     | 6.470 | 6.451 | 6.501 | PH | 145   | -851    | -0.01% | -0.000% |
| 80     | 6.522 | 6.501 | 6.539 | PH | 82    | -1349   | -0.01% | -0.001% |
|        |       |       |       |    |       |         |        |         |
| 81     | 6.547 | 6.539 | 6.577 | PH | -83   | -4181   | -0.03% | -0.002% |
| 82     | 6.589 | 6.577 | 6.607 | PH | -162  | -4364   | -0.03% | -0.002% |
| 83     | 6.669 | 6.607 | 6.698 | PH | 589   | 8421    | 0.07%  | 0.003%  |
| 84     | 6.732 | 6.698 | 6.752 | HH | 464   | 12703   | 0.10%  | 0.005%  |
| 85     | 6.761 | 6.752 | 6.788 | HH | 494   | 7719    | 0.06%  | 0.003%  |
|        |       |       |       |    |       |         |        |         |
| 86     | 6.815 | 6.788 | 6.865 | HH | 1169  | 28408   | 0.23%  | 0.012%  |
| 87     | 6.878 | 6.865 | 6.891 | HH | 580   | 8348    | 0.07%  | 0.003%  |
| 88     | 6.924 | 6.891 | 6.944 | HH | 1291  | 28223   | 0.22%  | 0.012%  |
| 89     | 6.966 | 6.944 | 7.007 | HH | 1439  | 43877   | 0.35%  | 0.018%  |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 90  | 7.049  | 7.007  | 7.068  | HH | 1460   | 45628   | 0.36%  | 0.019% |
| 91  | 7.095  | 7.068  | 7.134  | HH | 1887   | 60745   | 0.48%  | 0.025% |
| 92  | 7.147  | 7.134  | 7.184  | HH | 1219   | 30529   | 0.24%  | 0.012% |
| 93  | 7.211  | 7.184  | 7.237  | HH | 1068   | 29939   | 0.24%  | 0.012% |
| 94  | 7.251  | 7.237  | 7.267  | HH | 1057   | 16533   | 0.13%  | 0.007% |
| 95  | 7.314  | 7.267  | 7.361  | HH | 5109   | 120564  | 0.96%  | 0.049% |
| 96  | 7.382  | 7.361  | 7.425  | HH | 1727   | 60715   | 0.48%  | 0.025% |
| 97  | 7.486  | 7.425  | 7.549  | HH | 6049   | 205197  | 1.63%  | 0.084% |
| 98  | 7.576  | 7.549  | 7.599  | HH | 3035   | 76538   | 0.61%  | 0.031% |
| 99  | 7.622  | 7.599  | 7.642  | HH | 2884   | 64404   | 0.51%  | 0.026% |
| 100 | 7.682  | 7.642  | 7.711  | HH | 3791   | 122812  | 0.97%  | 0.050% |
| 101 | 7.731  | 7.711  | 7.760  | HH | 3533   | 92643   | 0.73%  | 0.038% |
| 102 | 7.783  | 7.760  | 7.804  | HH | 3301   | 82552   | 0.65%  | 0.034% |
| 103 | 7.885  | 7.804  | 7.961  | HH | 19194  | 620578  | 4.92%  | 0.253% |
| 104 | 7.991  | 7.961  | 8.112  | HH | 84927  | 2474099 | 19.62% | 1.010% |
| 105 | 8.121  | 8.112  | 8.218  | HH | 10794  | 533442  | 4.23%  | 0.218% |
| 106 | 8.263  | 8.218  | 8.295  | HH | 7104   | 297287  | 2.36%  | 0.121% |
| 107 | 8.362  | 8.295  | 8.384  | HH | 10817  | 400812  | 3.18%  | 0.164% |
| 108 | 8.401  | 8.384  | 8.422  | HH | 8297   | 176141  | 1.40%  | 0.072% |
| 109 | 8.438  | 8.422  | 8.472  | HH | 8017   | 224355  | 1.78%  | 0.092% |
| 110 | 8.494  | 8.472  | 8.544  | HH | 8551   | 320347  | 2.54%  | 0.131% |
| 111 | 8.571  | 8.544  | 8.585  | HH | 7053   | 168332  | 1.33%  | 0.069% |
| 112 | 8.641  | 8.585  | 8.662  | HH | 8159   | 343600  | 2.72%  | 0.140% |
| 113 | 8.673  | 8.662  | 8.696  | HH | 7491   | 154075  | 1.22%  | 0.063% |
| 114 | 8.733  | 8.696  | 8.789  | HH | 9492   | 454868  | 3.61%  | 0.186% |
| 115 | 8.813  | 8.789  | 8.835  | HH | 8989   | 226391  | 1.80%  | 0.092% |
| 116 | 8.866  | 8.835  | 8.878  | HH | 8303   | 209476  | 1.66%  | 0.085% |
| 117 | 8.914  | 8.878  | 8.938  | HH | 9038   | 308766  | 2.45%  | 0.126% |
| 118 | 8.955  | 8.938  | 8.973  | HH | 9135   | 186253  | 1.48%  | 0.076% |
| 119 | 9.013  | 8.973  | 9.032  | HH | 10085  | 333594  | 2.65%  | 0.136% |
| 120 | 9.108  | 9.032  | 9.135  | HH | 12501  | 664882  | 5.27%  | 0.271% |
| 121 | 9.171  | 9.135  | 9.212  | HH | 13581  | 582579  | 4.62%  | 0.238% |
| 122 | 9.229  | 9.212  | 9.251  | HH | 13100  | 289963  | 2.30%  | 0.118% |
| 123 | 9.267  | 9.251  | 9.278  | HH | 12655  | 201044  | 1.59%  | 0.082% |
| 124 | 9.329  | 9.278  | 9.377  | HH | 14733  | 783160  | 6.21%  | 0.320% |
| 125 | 9.412  | 9.377  | 9.430  | HH | 14010  | 422945  | 3.35%  | 0.173% |
| 126 | 9.449  | 9.430  | 9.468  | HH | 13805  | 308926  | 2.45%  | 0.126% |
| 127 | 9.513  | 9.468  | 9.535  | HH | 19070  | 649746  | 5.15%  | 0.265% |
| 128 | 9.550  | 9.535  | 9.579  | HH | 16183  | 397145  | 3.15%  | 0.162% |
| 129 | 9.610  | 9.579  | 9.622  | HH | 15954  | 385614  | 3.06%  | 0.157% |
| 130 | 9.632  | 9.622  | 9.639  | HH | 15917  | 162011  | 1.28%  | 0.066% |
| 131 | 9.660  | 9.639  | 9.685  | HH | 18286  | 470149  | 3.73%  | 0.192% |
| 132 | 9.707  | 9.685  | 9.778  | HH | 20708  | 1006373 | 7.98%  | 0.411% |
| 133 | 9.833  | 9.778  | 9.847  | HH | 20478  | 750384  | 5.95%  | 0.306% |
| 134 | 9.877  | 9.847  | 9.922  | HH | 22365  | 904689  | 7.17%  | 0.369% |
| 135 | 9.969  | 9.922  | 10.018 | HH | 29887  | 1248859 | 9.90%  | 0.510% |
| 136 | 10.029 | 10.018 | 10.055 | HH | 20338  | 446074  | 3.54%  | 0.182% |
| 137 | 10.090 | 10.055 | 10.115 | HH | 21518  | 740812  | 5.87%  | 0.302% |
| 138 | 10.158 | 10.115 | 10.172 | HH | 34466  | 900340  | 7.14%  | 0.367% |
| 139 | 10.192 | 10.172 | 10.216 | HH | 35883  | 798111  | 6.33%  | 0.326% |
| 140 | 10.236 | 10.216 | 10.287 | HH | 27299  | 1064348 | 8.44%  | 0.434% |
| 141 | 10.307 | 10.287 | 10.321 | HH | 24334  | 474744  | 3.76%  | 0.194% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 10.342 | 10.321 | 10.363 | HH | 26811  | 638265  | 5.06%  | 0.260% |
| 143    | 10.374 | 10.363 | 10.418 | HH | 24781  | 794737  | 6.30%  | 0.324% |
| 144    | 10.448 | 10.418 | 10.467 | HH | 23654  | 670275  | 5.31%  | 0.274% |
| 145    | 10.488 | 10.467 | 10.513 | HH | 24473  | 658244  | 5.22%  | 0.269% |
| 146    | 10.545 | 10.513 | 10.574 | HH | 27741  | 915890  | 7.26%  | 0.374% |
| 147    | 10.588 | 10.574 | 10.614 | HH | 24894  | 577318  | 4.58%  | 0.236% |
| 148    | 10.641 | 10.614 | 10.688 | HH | 39860  | 1291365 | 10.24% | 0.527% |
| 149    | 10.702 | 10.688 | 10.724 | HH | 25921  | 536833  | 4.26%  | 0.219% |
| 150    | 10.740 | 10.724 | 10.754 | HH | 25972  | 454278  | 3.60%  | 0.185% |
| 151    | 10.780 | 10.754 | 10.806 | HH | 41050  | 996533  | 7.90%  | 0.407% |
| 152    | 10.835 | 10.806 | 10.875 | HH | 32511  | 1215811 | 9.64%  | 0.496% |
| 153    | 10.910 | 10.875 | 10.977 | HH | 34959  | 1816254 | 14.40% | 0.741% |
| 154    | 11.002 | 10.977 | 11.036 | HH | 39317  | 1099939 | 8.72%  | 0.449% |
| 155    | 11.046 | 11.036 | 11.055 | HH | 28045  | 320799  | 2.54%  | 0.131% |
| 156    | 11.079 | 11.055 | 11.096 | HH | 31073  | 716418  | 5.68%  | 0.292% |
| 157    | 11.142 | 11.096 | 11.163 | HH | 35435  | 1279414 | 10.14% | 0.522% |
| 158    | 11.187 | 11.163 | 11.215 | HH | 34479  | 974457  | 7.73%  | 0.398% |
| 159    | 11.240 | 11.215 | 11.263 | HH | 33329  | 860355  | 6.82%  | 0.351% |
| 160    | 11.292 | 11.263 | 11.311 | HH | 33038  | 858468  | 6.81%  | 0.350% |
| 161    | 11.335 | 11.311 | 11.364 | HH | 40068  | 1113139 | 8.83%  | 0.454% |
| 162    | 11.398 | 11.364 | 11.450 | HH | 44432  | 1873198 | 14.85% | 0.765% |
| 163    | 11.483 | 11.450 | 11.527 | HH | 44529  | 1652067 | 13.10% | 0.674% |
| 164    | 11.556 | 11.527 | 11.575 | HH | 43298  | 1055469 | 8.37%  | 0.431% |
| 165    | 11.614 | 11.575 | 11.639 | HH | 45620  | 1501898 | 11.91% | 0.613% |
| 166    | 11.650 | 11.639 | 11.664 | HH | 36237  | 526633  | 4.18%  | 0.215% |
| 167    | 11.684 | 11.664 | 11.701 | HH | 39971  | 841586  | 6.67%  | 0.343% |
| 168    | 11.729 | 11.701 | 11.763 | HH | 45991  | 1516442 | 12.02% | 0.619% |
| 169    | 11.782 | 11.763 | 11.805 | HH | 37252  | 872201  | 6.92%  | 0.356% |
| 170    | 11.826 | 11.805 | 11.865 | HH | 38482  | 1292514 | 10.25% | 0.528% |
| 171    | 11.898 | 11.865 | 11.973 | HH | 102587 | 3383906 | 26.83% | 1.381% |
| 172    | 11.992 | 11.973 | 12.057 | HH | 39611  | 1762386 | 13.97% | 0.719% |
| 173    | 12.074 | 12.057 | 12.115 | HH | 32052  | 1061015 | 8.41%  | 0.433% |
| 174    | 12.125 | 12.115 | 12.154 | HH | 30847  | 719808  | 5.71%  | 0.294% |
| 175    | 12.176 | 12.154 | 12.198 | HH | 31923  | 810994  | 6.43%  | 0.331% |
| 176    | 12.255 | 12.198 | 12.265 | HH | 31719  | 1241006 | 9.84%  | 0.506% |
| 177    | 12.277 | 12.265 | 12.297 | HH | 31531  | 603561  | 4.79%  | 0.246% |
| 178    | 12.319 | 12.297 | 12.352 | HH | 31764  | 1015234 | 8.05%  | 0.414% |
| 179    | 12.366 | 12.352 | 12.388 | HH | 31740  | 673486  | 5.34%  | 0.275% |
| 180    | 12.408 | 12.388 | 12.421 | HH | 31033  | 587404  | 4.66%  | 0.240% |
| 181    | 12.446 | 12.421 | 12.527 | HH | 32469  | 1883083 | 14.93% | 0.769% |
| 182    | 12.573 | 12.527 | 12.593 | HH | 30350  | 1116686 | 8.85%  | 0.456% |
| 183    | 12.620 | 12.593 | 12.632 | HH | 28977  | 672233  | 5.33%  | 0.274% |
| 184    | 12.647 | 12.632 | 12.670 | HH | 29204  | 640220  | 5.08%  | 0.261% |
| 185    | 12.689 | 12.670 | 12.719 | HH | 29135  | 805598  | 6.39%  | 0.329% |
| 186    | 12.739 | 12.719 | 12.760 | HH | 29655  | 671850  | 5.33%  | 0.274% |
| 187    | 12.769 | 12.760 | 12.778 | HH | 26094  | 284540  | 2.26%  | 0.116% |
| 188    | 12.800 | 12.778 | 12.831 | HH | 26632  | 817932  | 6.49%  | 0.334% |
| 189    | 12.871 | 12.831 | 12.900 | HH | 26956  | 1060022 | 8.40%  | 0.433% |
| 190    | 12.925 | 12.900 | 12.942 | HH | 27353  | 648744  | 5.14%  | 0.265% |
| 191    | 12.966 | 12.942 | 13.015 | HH | 29171  | 1212090 | 9.61%  | 0.495% |
| 192    | 13.026 | 13.015 | 13.075 | HH | 26726  | 903874  | 7.17%  | 0.369% |
| 193    | 13.122 | 13.075 | 13.183 | HH | 53170  | 2088713 | 16.56% | 0.852% |
| 194    | 13.208 | 13.183 | 13.235 | HH | 26693  | 781994  | 6.20%  | 0.319% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 13.261 | 13.235 | 13.313 | HH | 24373  | 1081519 | 8.58%  | 0.441% |
| 196    | 13.334 | 13.313 | 13.365 | HH | 23512  | 683906  | 5.42%  | 0.279% |
| 197    | 13.392 | 13.365 | 13.402 | HH | 22532  | 485752  | 3.85%  | 0.198% |
| 198    | 13.407 | 13.402 | 13.424 | HH | 22554  | 299250  | 2.37%  | 0.122% |
| 199    | 13.451 | 13.424 | 13.485 | HH | 24648  | 816547  | 6.47%  | 0.333% |
| 200    | 13.503 | 13.485 | 13.539 | HH | 21280  | 670702  | 5.32%  | 0.274% |
| 201    | 13.560 | 13.539 | 13.595 | HH | 21035  | 688267  | 5.46%  | 0.281% |
| 202    | 13.641 | 13.595 | 13.658 | HH | 21319  | 772182  | 6.12%  | 0.315% |
| 203    | 13.662 | 13.658 | 13.669 | HH | 20619  | 128694  | 1.02%  | 0.053% |
| 204    | 13.676 | 13.669 | 13.721 | HH | 20690  | 628758  | 4.99%  | 0.257% |
| 205    | 13.768 | 13.721 | 13.787 | HH | 20740  | 807825  | 6.41%  | 0.330% |
| 206    | 13.814 | 13.787 | 13.844 | HH | 21210  | 707884  | 5.61%  | 0.289% |
| 207    | 13.867 | 13.844 | 13.925 | HH | 23805  | 1013729 | 8.04%  | 0.414% |
| 208    | 13.941 | 13.925 | 13.978 | HH | 20115  | 609520  | 4.83%  | 0.249% |
| 209    | 14.011 | 13.978 | 14.037 | HH | 21894  | 699429  | 5.55%  | 0.285% |
| 210    | 14.058 | 14.037 | 14.085 | HH | 19795  | 564231  | 4.47%  | 0.230% |
| 211    | 14.115 | 14.085 | 14.141 | HH | 20044  | 648490  | 5.14%  | 0.265% |
| 212    | 14.164 | 14.141 | 14.196 | HH | 19231  | 613836  | 4.87%  | 0.251% |
| 213    | 14.214 | 14.196 | 14.247 | HH | 18660  | 561113  | 4.45%  | 0.229% |
| 214    | 14.281 | 14.247 | 14.294 | HH | 19701  | 536461  | 4.25%  | 0.219% |
| 215    | 14.353 | 14.294 | 14.458 | HH | 591149 | 9795437 | 77.67% | 3.998% |
| 216    | 14.470 | 14.458 | 14.486 | HH | 17986  | 309511  | 2.45%  | 0.126% |
| 217    | 14.525 | 14.486 | 14.591 | HH | 27511  | 1381337 | 10.95% | 0.564% |
| 218    | 14.604 | 14.591 | 14.682 | HH | 19792  | 994307  | 7.88%  | 0.406% |
| 219    | 14.704 | 14.682 | 14.727 | HH | 17379  | 462876  | 3.67%  | 0.189% |
| 220    | 14.748 | 14.727 | 14.777 | HH | 19373  | 538181  | 4.27%  | 0.220% |
| 221    | 14.820 | 14.777 | 14.845 | HH | 17839  | 715975  | 5.68%  | 0.292% |
| 222    | 14.871 | 14.845 | 14.908 | HH | 17535  | 645868  | 5.12%  | 0.264% |
| 223    | 14.941 | 14.908 | 15.030 | HH | 86295  | 2519739 | 19.98% | 1.028% |
| 224    | 15.073 | 15.030 | 15.096 | HH | 24223  | 815265  | 6.46%  | 0.333% |
| 225    | 15.123 | 15.096 | 15.203 | HH | 26041  | 1279201 | 10.14% | 0.522% |
| 226    | 15.226 | 15.203 | 15.249 | HH | 17416  | 466944  | 3.70%  | 0.191% |
| 227    | 15.263 | 15.249 | 15.295 | HH | 17503  | 479498  | 3.80%  | 0.196% |
| 228    | 15.305 | 15.295 | 15.339 | HH | 17534  | 452928  | 3.59%  | 0.185% |
| 229    | 15.357 | 15.339 | 15.417 | HH | 17340  | 793750  | 6.29%  | 0.324% |
| 230    | 15.466 | 15.417 | 15.528 | HH | 19110  | 1160095 | 9.20%  | 0.473% |
| 231    | 15.574 | 15.528 | 15.625 | HH | 27380  | 1149647 | 9.12%  | 0.469% |
| 232    | 15.652 | 15.625 | 15.728 | HH | 17438  | 1016745 | 8.06%  | 0.415% |
| 233    | 15.746 | 15.728 | 15.772 | HH | 16439  | 426293  | 3.38%  | 0.174% |
| 234    | 15.780 | 15.772 | 15.827 | HH | 15849  | 514487  | 4.08%  | 0.210% |
| 235    | 15.854 | 15.827 | 15.890 | HH | 16611  | 602669  | 4.78%  | 0.246% |
| 236    | 15.900 | 15.890 | 15.912 | HH | 16012  | 211742  | 1.68%  | 0.086% |
| 237    | 15.962 | 15.912 | 16.027 | HH | 21185  | 1235463 | 9.80%  | 0.504% |
| 238    | 16.056 | 16.027 | 16.096 | HH | 31292  | 914787  | 7.25%  | 0.373% |
| 239    | 16.111 | 16.096 | 16.127 | HH | 17070  | 303207  | 2.40%  | 0.124% |
| 240    | 16.142 | 16.127 | 16.182 | HH | 16838  | 533905  | 4.23%  | 0.218% |
| 241    | 16.194 | 16.182 | 16.215 | HH | 16154  | 316665  | 2.51%  | 0.129% |
| 242    | 16.222 | 16.215 | 16.229 | HH | 16047  | 131042  | 1.04%  | 0.053% |
| 243    | 16.263 | 16.229 | 16.297 | HH | 17561  | 675742  | 5.36%  | 0.276% |
| 244    | 16.324 | 16.297 | 16.348 | HH | 16772  | 498183  | 3.95%  | 0.203% |
| 245    | 16.358 | 16.348 | 16.373 | HH | 16106  | 233545  | 1.85%  | 0.095% |
| 246    | 16.396 | 16.373 | 16.418 | HH | 16343  | 433714  | 3.44%  | 0.177% |

| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 247    | 16.438 | 16.418 | 16.457 | HH | 16651 | 377203  | 2.99%  | 0.154% |
| 248    | 16.523 | 16.457 | 16.591 | HH | 38132 | 1665940 | 13.21% | 0.680% |
| 249    | 16.611 | 16.591 | 16.662 | HH | 17020 | 694212  | 5.50%  | 0.283% |
| 250    | 16.692 | 16.662 | 16.715 | HH | 17259 | 535138  | 4.24%  | 0.218% |
| 251    | 16.756 | 16.715 | 16.775 | HH | 17211 | 601302  | 4.77%  | 0.245% |
| 252    | 16.818 | 16.775 | 16.827 | HH | 17279 | 527102  | 4.18%  | 0.215% |
| 253    | 16.851 | 16.827 | 16.876 | HH | 17883 | 513759  | 4.07%  | 0.210% |
| 254    | 16.905 | 16.876 | 16.934 | HH | 19241 | 639166  | 5.07%  | 0.261% |
| 255    | 16.975 | 16.934 | 17.032 | HH | 41931 | 1401367 | 11.11% | 0.572% |
| 256    | 17.064 | 17.032 | 17.098 | HH | 19245 | 736782  | 5.84%  | 0.301% |
| 257    | 17.170 | 17.098 | 17.195 | HH | 19960 | 1090291 | 8.64%  | 0.445% |
| 258    | 17.246 | 17.195 | 17.270 | HH | 19801 | 866686  | 6.87%  | 0.354% |
| 259    | 17.279 | 17.270 | 17.284 | HH | 19131 | 162002  | 1.28%  | 0.066% |
| 260    | 17.411 | 17.284 | 17.445 | HH | 46357 | 2315168 | 18.36% | 0.945% |
| 261    | 17.460 | 17.445 | 17.478 | HH | 20898 | 410024  | 3.25%  | 0.167% |
| 262    | 17.508 | 17.478 | 17.556 | HH | 24349 | 1051435 | 8.34%  | 0.429% |
| 263    | 17.587 | 17.556 | 17.605 | HH | 23455 | 668961  | 5.30%  | 0.273% |
| 264    | 17.624 | 17.605 | 17.655 | HH | 23213 | 673459  | 5.34%  | 0.275% |
| 265    | 17.719 | 17.655 | 17.746 | HH | 26483 | 1284673 | 10.19% | 0.524% |
| 266    | 17.782 | 17.746 | 17.811 | HH | 49200 | 1360577 | 10.79% | 0.555% |
| 267    | 17.835 | 17.811 | 17.908 | HH | 45626 | 1741099 | 13.81% | 0.711% |
| 268    | 17.939 | 17.908 | 17.964 | HH | 24445 | 805867  | 6.39%  | 0.329% |
| 269    | 17.988 | 17.964 | 18.018 | HH | 24773 | 796105  | 6.31%  | 0.325% |
| 270    | 18.043 | 18.018 | 18.066 | HH | 25069 | 704293  | 5.58%  | 0.287% |
| 271    | 18.109 | 18.066 | 18.129 | HH | 25776 | 954230  | 7.57%  | 0.389% |
| 272    | 18.140 | 18.129 | 18.155 | HH | 25646 | 404657  | 3.21%  | 0.165% |
| 273    | 18.244 | 18.155 | 18.295 | HH | 42230 | 2514140 | 19.93% | 1.026% |
| 274    | 18.305 | 18.295 | 18.317 | HH | 27439 | 367338  | 2.91%  | 0.150% |
| 275    | 18.349 | 18.317 | 18.380 | HH | 30522 | 1082930 | 8.59%  | 0.442% |
| 276    | 18.387 | 18.380 | 18.399 | HH | 28624 | 319189  | 2.53%  | 0.130% |
| 277    | 18.412 | 18.399 | 18.425 | HH | 28643 | 458127  | 3.63%  | 0.187% |
| 278    | 18.447 | 18.425 | 18.467 | HH | 28579 | 711316  | 5.64%  | 0.290% |
| 279    | 18.533 | 18.467 | 18.549 | HH | 29824 | 1432800 | 11.36% | 0.585% |
| 280    | 18.609 | 18.549 | 18.628 | HH | 45010 | 1739131 | 13.79% | 0.710% |
| 281    | 18.640 | 18.628 | 18.700 | HH | 42232 | 1587514 | 12.59% | 0.648% |
| 282    | 18.752 | 18.700 | 18.767 | HH | 34034 | 1341701 | 10.64% | 0.548% |
| 283    | 18.800 | 18.767 | 18.808 | HH | 35055 | 859066  | 6.81%  | 0.351% |
| 284    | 18.841 | 18.808 | 18.865 | HH | 35930 | 1207948 | 9.58%  | 0.493% |
| 285    | 18.984 | 18.865 | 19.002 | HH | 38780 | 3025497 | 23.99% | 1.235% |
| 286    | 19.031 | 19.002 | 19.065 | HH | 42254 | 1501951 | 11.91% | 0.613% |
| 287    | 19.097 | 19.065 | 19.115 | HH | 40814 | 1182230 | 9.37%  | 0.483% |
| 288    | 19.162 | 19.115 | 19.198 | HH | 41571 | 2047144 | 16.23% | 0.836% |
| 289    | 19.219 | 19.198 | 19.259 | HH | 42549 | 1497262 | 11.87% | 0.611% |
| 290    | 19.280 | 19.259 | 19.287 | HH | 41527 | 702336  | 5.57%  | 0.287% |
| 291    | 19.315 | 19.287 | 19.331 | HH | 42611 | 1118259 | 8.87%  | 0.456% |
| 292    | 19.371 | 19.331 | 19.388 | HH | 46883 | 1513846 | 12.00% | 0.618% |
| 293    | 19.403 | 19.388 | 19.443 | HH | 46166 | 1491644 | 11.83% | 0.609% |
| 294    | 19.461 | 19.443 | 19.478 | HH | 44285 | 938619  | 7.44%  | 0.383% |
| 295    | 19.538 | 19.478 | 19.555 | HH | 46196 | 2086323 | 16.54% | 0.851% |
| 296    | 19.603 | 19.555 | 19.615 | HH | 48564 | 1690615 | 13.41% | 0.690% |
| 297    | 19.686 | 19.615 | 19.695 | HH | 50963 | 2413015 | 19.13% | 0.985% |
| 298    | 19.770 | 19.695 | 19.791 | HH | 55431 | 3031588 | 24.04% | 1.237% |
| 299    | 19.925 | 19.791 | 19.962 | HH | 61416 | 5785177 | 45.87% | 2.361% |

|     |        |        |        |     |                         |          |           |        |
|-----|--------|--------|--------|-----|-------------------------|----------|-----------|--------|
|     |        |        |        |     |                         | rteres   |           |        |
| 300 | 20.131 | 19.962 | 20.145 | HH  | 64823                   | 6773198  | 53.71%    | 2.764% |
| 301 | 20.415 | 20.145 | 20.448 | HH  | 73614                   | 12611815 | 100.00%   | 5.147% |
| 302 | 20.476 | 20.448 | 20.512 | HH  | 75218                   | 2804677  | 22.24%    | 1.145% |
| 303 | 20.575 | 20.512 | 20.589 | HH  | 73728                   | 3423221  | 27.14%    | 1.397% |
| 304 | 20.610 | 20.589 | 20.658 | HH  | 73956                   | 3039324  | 24.10%    | 1.240% |
| 305 | 20.754 | 20.658 | 20.778 | HH  | 75236                   | 5360110  | 42.50%    | 2.188% |
| 306 | 20.798 | 20.778 | 20.813 | HH  | 75124                   | 1579200  | 12.52%    | 0.645% |
| 307 | 20.854 | 20.813 | 20.910 | HH  | 75502                   | 4333370  | 34.36%    | 1.769% |
| 308 | 20.958 | 20.910 | 20.985 | HH  | 74626                   | 3343722  | 26.51%    | 1.365% |
| 309 | 21.010 | 20.985 | 21.018 | HH  | 74285                   | 1478814  | 11.73%    | 0.604% |
| 310 | 21.043 | 21.018 | 21.055 | HH  | 74869                   | 1646045  | 13.05%    | 0.672% |
| 311 | 21.077 | 21.055 | 21.162 | HH  | 74897                   | 4766274  | 37.79%    | 1.945% |
| 312 | 21.190 | 21.162 | 21.212 | HH  | 74517                   | 2253456  | 17.87%    | 0.920% |
| 313 | 21.279 | 21.212 | 21.352 | HHA | 76915                   | 6356994  | 50.41%    | 2.594% |
|     |        |        |        |     | Sum of corrected areas: |          | 245019361 |        |

FE050720.M Fri May 29 08:07:59 2020