

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE081919\  
 Data File : FE030244.D  
 Signal(s) : FID1B.CH  
 Acq On : 19 Aug 2019 18:06  
 Sample : K4350-15  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\C44-FE080919.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         | 2.335       | 2.295        | 2.378      | BH       | 1797           | 10966        | 0.11%          | 0.003%        |
| 2         | 2.385       | 2.378        | 2.459      | PH       | -128           | -22150       | -0.21%         | -0.006%       |
| 3         | 2.470       | 2.459        | 2.475      | PH       | -504           | -5897        | -0.06%         | -0.002%       |
| 4         | 2.482       | 2.475        | 2.492      | PH       | -504           | -5747        | -0.06%         | -0.002%       |
| 5         | 2.501       | 2.492        | 2.517      | PH       | -527           | -9414        | -0.09%         | -0.003%       |
| 6         | 2.551       | 2.517        | 2.567      | PH       | 2899           | 17040        | 0.16%          | 0.005%        |
| 7         | 2.581       | 2.567        | 2.614      | HH       | 1954           | 14082        | 0.14%          | 0.004%        |
| 8         | 2.632       | 2.614        | 2.648      | PH       | 97             | -7257        | -0.07%         | -0.002%       |
| 9         | 2.658       | 2.648        | 2.739      | PH       | 121            | -37231       | -0.36%         | -0.010%       |
| 10        | 2.773       | 2.739        | 2.792      | PH       | -543           | -24543       | -0.24%         | -0.007%       |
| 11        | 2.812       | 2.792        | 2.832      | PH       | -538           | -16677       | -0.16%         | -0.004%       |
| 12        | 2.881       | 2.832        | 2.922      | PH       | 1028           | 6379         | 0.06%          | 0.002%        |
| 13        | 2.938       | 2.922        | 2.978      | HH       | 1060           | 12543        | 0.12%          | 0.003%        |
| 14        | 2.988       | 2.978        | 2.995      | PH       | -56            | -2348        | -0.02%         | -0.001%       |
| 15        | 3.008       | 2.995        | 3.037      | PH       | 485            | -3749        | -0.04%         | -0.001%       |
| 16        | 3.051       | 3.037        | 3.065      | PH       | -438           | -8924        | -0.09%         | -0.002%       |
| 17        | 3.083       | 3.065        | 3.104      | PH       | 1113           | 10117        | 0.10%          | 0.003%        |
| 18        | 3.119       | 3.104        | 3.132      | HH       | 573            | 6060         | 0.06%          | 0.002%        |
| 19        | 3.142       | 3.132        | 3.214      | HH       | 258            | -23344       | -0.22%         | -0.006%       |
| 20        | 3.231       | 3.214        | 3.246      | PH       | -635           | -15437       | -0.15%         | -0.004%       |
| 21        | 3.300       | 3.246        | 3.362      | PH       | 818            | -36668       | -0.35%         | -0.010%       |
| 22        | 3.373       | 3.362        | 3.391      | PH       | -1021          | -18280       | -0.18%         | -0.005%       |
| 23        | 3.406       | 3.391        | 3.449      | PH       | -356           | -26307       | -0.25%         | -0.007%       |
| 24        | 3.462       | 3.449        | 3.526      | PH       | -753           | -44766       | -0.43%         | -0.012%       |
| 25        | 3.546       | 3.526        | 3.585      | PH       | -8             | -27572       | -0.26%         | -0.007%       |
| 26        | 3.602       | 3.585        | 3.623      | PH       | -755           | -22021       | -0.21%         | -0.006%       |
| 27        | 3.648       | 3.623        | 3.694      | PH       | -329           | -38992       | -0.37%         | -0.010%       |
| 28        | 3.715       | 3.694        | 3.725      | PH       | -883           | -19167       | -0.18%         | -0.005%       |
| 29        | 3.734       | 3.725        | 3.751      | PH       | -979           | -15597       | -0.15%         | -0.004%       |
| 30        | 3.763       | 3.751        | 3.785      | PH       | -923           | -21822       | -0.21%         | -0.006%       |
| 31        | 3.810       | 3.785        | 3.843      | PH       | 263            | -10692       | -0.10%         | -0.003%       |
| 32        | 3.872       | 3.843        | 3.911      | PH       | 2986           | 40548        | 0.39%          | 0.011%        |
| 33        | 3.935       | 3.911        | 3.952      | PH       | 560            | 1658         | 0.02%          | 0.000%        |
| 34        | 3.968       | 3.952        | 4.015      | PH       | 1448           | 11187        | 0.11%          | 0.003%        |
| 35        | 4.031       | 4.015        | 4.082      | PH       | -160           | -28010       | -0.27%         | -0.007%       |
| 36        | 4.093       | 4.082        | 4.101      | PH       | -943           | -11606       | -0.11%         | -0.003%       |

|    |       |       |       |    | rteres |        |        |         |
|----|-------|-------|-------|----|--------|--------|--------|---------|
| 37 | 4.129 | 4.101 | 4.261 | PH | 3474   | 39406  | 0.38%  | 0.0010% |
| 38 | 4.276 | 4.261 | 4.317 | PH | -685   | -24205 | -0.23% | -0.006% |
| 39 | 4.336 | 4.317 | 4.378 | PH | 1528   | 3405   | 0.03%  | 0.001%  |
| 40 | 4.397 | 4.378 | 4.415 | PH | 1603   | 18671  | 0.18%  | 0.005%  |
| 41 | 4.420 | 4.415 | 4.495 | HH | 1121   | 413    | 0.00%  | 0.000%  |
| 42 | 4.523 | 4.495 | 4.568 | PH | 354    | -33    | -0.00% | -0.000% |
| 43 | 4.577 | 4.568 | 4.593 | PH | 281    | -859   | -0.01% | -0.000% |
| 44 | 4.604 | 4.593 | 4.625 | PH | -152   | -7207  | -0.07% | -0.002% |
| 45 | 4.631 | 4.625 | 4.680 | PH | -483   | -21569 | -0.21% | -0.006% |
| 46 | 4.703 | 4.680 | 4.716 | PH | -74    | -8287  | -0.08% | -0.002% |
| 47 | 4.736 | 4.716 | 4.761 | PH | 175    | -3350  | -0.03% | -0.001% |
| 48 | 4.796 | 4.761 | 4.857 | PH | 1932   | 15208  | 0.15%  | 0.004%  |
| 49 | 4.875 | 4.857 | 4.912 | PH | -98    | -12595 | -0.12% | -0.003% |
| 50 | 4.934 | 4.912 | 4.951 | PH | -265   | -10859 | -0.10% | -0.003% |
| 51 | 4.962 | 4.951 | 4.970 | PH | -419   | -6125  | -0.06% | -0.002% |
| 52 | 5.002 | 4.970 | 5.018 | PH | 1356   | 12968  | 0.12%  | 0.003%  |
| 53 | 5.028 | 5.018 | 5.046 | HH | 674    | 5175   | 0.05%  | 0.001%  |
| 54 | 5.066 | 5.046 | 5.102 | PH | 1248   | 13979  | 0.13%  | 0.004%  |
| 55 | 5.107 | 5.102 | 5.145 | PH | -150   | -10975 | -0.11% | -0.003% |
| 56 | 5.157 | 5.145 | 5.195 | PH | -570   | -21386 | -0.21% | -0.006% |
| 57 | 5.259 | 5.195 | 5.333 | PH | -217   | -51419 | -0.49% | -0.014% |
| 58 | 5.378 | 5.333 | 5.396 | PH | 1416   | 15872  | 0.15%  | 0.004%  |
| 59 | 5.411 | 5.396 | 5.505 | HH | 1063   | -15392 | -0.15% | -0.004% |
| 60 | 5.532 | 5.505 | 5.559 | PH | -136   | -17842 | -0.17% | -0.005% |
| 61 | 5.595 | 5.559 | 5.620 | PH | -187   | -16235 | -0.16% | -0.004% |
| 62 | 5.662 | 5.620 | 5.695 | PH | 786    | 7018   | 0.07%  | 0.002%  |
| 63 | 5.710 | 5.695 | 5.741 | PH | 111    | -3731  | -0.04% | -0.001% |
| 64 | 5.760 | 5.741 | 5.791 | PH | -259   | -13206 | -0.13% | -0.004% |
| 65 | 5.831 | 5.791 | 5.845 | PH | -437   | -16999 | -0.16% | -0.005% |
| 66 | 5.852 | 5.845 | 5.868 | PH | -373   | -6697  | -0.06% | -0.002% |
| 67 | 5.912 | 5.868 | 5.938 | PH | -74    | -16932 | -0.16% | -0.004% |
| 68 | 5.958 | 5.938 | 5.980 | PH | -298   | -11826 | -0.11% | -0.003% |
| 69 | 5.995 | 5.980 | 6.024 | PH | -237   | -11185 | -0.11% | -0.003% |
| 70 | 6.050 | 6.024 | 6.104 | PH | 1359   | 5391   | 0.05%  | 0.001%  |
| 71 | 6.133 | 6.104 | 6.162 | PH | -14    | -10295 | -0.10% | -0.003% |
| 72 | 6.176 | 6.162 | 6.230 | PH | 4      | -11961 | -0.11% | -0.003% |
| 73 | 6.245 | 6.230 | 6.254 | PH | -370   | -6862  | -0.07% | -0.002% |
| 74 | 6.272 | 6.254 | 6.315 | PH | -340   | -16791 | -0.16% | -0.004% |
| 75 | 6.337 | 6.315 | 6.445 | PH | 1020   | -26844 | -0.26% | -0.007% |
| 76 | 6.479 | 6.445 | 6.502 | PH | 22     | -14541 | -0.14% | -0.004% |
| 77 | 6.514 | 6.502 | 6.557 | PH | -491   | -21015 | -0.20% | -0.006% |
| 78 | 6.571 | 6.557 | 6.621 | PH | -618   | -27428 | -0.26% | -0.007% |
| 79 | 6.652 | 6.621 | 6.677 | PH | -515   | -21214 | -0.20% | -0.006% |
| 80 | 6.694 | 6.677 | 6.742 | PH | -531   | -24547 | -0.24% | -0.007% |
| 81 | 6.751 | 6.742 | 6.801 | PH | -501   | -22665 | -0.22% | -0.006% |
| 82 | 6.812 | 6.801 | 6.818 | PH | -628   | -6846  | -0.07% | -0.002% |
| 83 | 6.832 | 6.818 | 6.858 | PH | -446   | -13458 | -0.13% | -0.004% |
| 84 | 6.884 | 6.858 | 6.918 | PH | -414   | -17983 | -0.17% | -0.005% |
| 85 | 6.930 | 6.918 | 6.944 | PH | -316   | -6002  | -0.06% | -0.002% |
| 86 | 6.953 | 6.944 | 7.002 | PH | -304   | -16203 | -0.16% | -0.004% |
| 87 | 7.029 | 7.002 | 7.053 | PH | -97    | -12508 | -0.12% | -0.003% |
| 88 | 7.073 | 7.053 | 7.085 | PH | -377   | -9722  | -0.09% | -0.003% |
| 89 | 7.159 | 7.085 | 7.172 | PH | -132   | -16349 | -0.16% | -0.004% |

|     |        |        |        |    |        |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
|     |        |        |        |    | rteres |         |        |         |
| 90  | 7.195  | 7.172  | 7.234  | PH | -116   | -7161   | -0.07% | -0.002% |
| 91  | 7.259  | 7.234  | 7.343  | PH | 608    | -15319  | -0.15% | -0.004% |
| 92  | 7.352  | 7.343  | 7.361  | PH | -484   | -5732   | -0.06% | -0.002% |
| 93  | 7.371  | 7.361  | 7.412  | PH | -476   | -17237  | -0.17% | -0.005% |
| 94  | 7.437  | 7.412  | 7.455  | PH | -422   | -14836  | -0.14% | -0.004% |
| 95  | 7.467  | 7.455  | 7.484  | PH | -600   | -11427  | -0.11% | -0.003% |
| 96  | 7.539  | 7.484  | 7.572  | PH | 421    | -23219  | -0.22% | -0.006% |
| 97  | 7.583  | 7.572  | 7.602  | PH | -525   | -11415  | -0.11% | -0.003% |
| 98  | 7.619  | 7.602  | 7.645  | PH | -506   | -16138  | -0.15% | -0.004% |
| 99  | 7.665  | 7.645  | 7.692  | PH | 199    | -9388   | -0.09% | -0.002% |
| 100 | 7.711  | 7.692  | 7.764  | PH | 593    | -10718  | -0.10% | -0.003% |
| 101 | 7.775  | 7.764  | 7.807  | PH | -458   | -14005  | -0.13% | -0.004% |
| 102 | 7.821  | 7.807  | 7.836  | PH | -424   | -7988   | -0.08% | -0.002% |
| 103 | 7.844  | 7.836  | 7.863  | PH | -419   | -7721   | -0.07% | -0.002% |
| 104 | 7.883  | 7.863  | 7.894  | PH | -367   | -8825   | -0.08% | -0.002% |
| 105 | 7.940  | 7.894  | 8.007  | PH | 67     | -19169  | -0.18% | -0.005% |
| 106 | 8.036  | 8.007  | 8.058  | PH | -82    | -7321   | -0.07% | -0.002% |
| 107 | 8.105  | 8.058  | 8.190  | PH | 3494   | 64863   | 0.62%  | 0.017%  |
| 108 | 8.213  | 8.190  | 8.432  | PH | 54716  | 1019050 | 9.78%  | 0.271%  |
| 109 | 8.446  | 8.432  | 8.465  | HH | 783    | 11467   | 0.11%  | 0.003%  |
| 110 | 8.479  | 8.465  | 8.525  | HH | 560    | 13458   | 0.13%  | 0.004%  |
| 111 | 8.565  | 8.525  | 8.602  | HH | 865    | 21600   | 0.21%  | 0.006%  |
| 112 | 8.656  | 8.602  | 8.694  | HH | 1065   | 30316   | 0.29%  | 0.008%  |
| 113 | 8.709  | 8.694  | 8.749  | HH | 353    | 8444    | 0.08%  | 0.002%  |
| 114 | 8.796  | 8.749  | 8.821  | HH | 295    | 8131    | 0.08%  | 0.002%  |
| 115 | 8.862  | 8.821  | 8.904  | HH | 1418   | 27955   | 0.27%  | 0.007%  |
| 116 | 8.945  | 8.904  | 9.012  | HH | 2270   | 41343   | 0.40%  | 0.011%  |
| 117 | 9.031  | 9.012  | 9.104  | HH | 403    | 10707   | 0.10%  | 0.003%  |
| 118 | 9.128  | 9.104  | 9.191  | HH | 631    | 11125   | 0.11%  | 0.003%  |
| 119 | 9.215  | 9.191  | 9.224  | PH | 187    | 2137    | 0.02%  | 0.001%  |
| 120 | 9.234  | 9.224  | 9.249  | HH | 221    | 2017    | 0.02%  | 0.001%  |
| 121 | 9.270  | 9.249  | 9.294  | PH | 243    | 5066    | 0.05%  | 0.001%  |
| 122 | 9.319  | 9.294  | 9.347  | HH | 708    | 13094   | 0.13%  | 0.003%  |
| 123 | 9.368  | 9.347  | 9.381  | HH | 535    | 7948    | 0.08%  | 0.002%  |
| 124 | 9.445  | 9.381  | 9.484  | HH | 1148   | 48139   | 0.46%  | 0.013%  |
| 125 | 9.501  | 9.484  | 9.532  | HH | 902    | 19839   | 0.19%  | 0.005%  |
| 126 | 9.556  | 9.532  | 9.586  | HH | 1757   | 30192   | 0.29%  | 0.008%  |
| 127 | 9.595  | 9.586  | 9.614  | HH | 628    | 8221    | 0.08%  | 0.002%  |
| 128 | 9.642  | 9.614  | 9.657  | HH | 668    | 12322   | 0.12%  | 0.003%  |
| 129 | 9.672  | 9.657  | 9.698  | HH | 829    | 16986   | 0.16%  | 0.005%  |
| 130 | 9.722  | 9.698  | 9.775  | HH | 3978   | 63538   | 0.61%  | 0.017%  |
| 131 | 9.786  | 9.775  | 9.815  | HH | 703    | 14237   | 0.14%  | 0.004%  |
| 132 | 9.822  | 9.815  | 9.845  | HH | 578    | 8179    | 0.08%  | 0.002%  |
| 133 | 9.883  | 9.845  | 9.925  | HH | 916    | 27212   | 0.26%  | 0.007%  |
| 134 | 9.951  | 9.925  | 9.976  | HH | 595    | 15037   | 0.14%  | 0.004%  |
| 135 | 9.989  | 9.976  | 10.025 | HH | 482    | 9754    | 0.09%  | 0.003%  |
| 136 | 10.064 | 10.025 | 10.082 | HH | 1012   | 23461   | 0.23%  | 0.006%  |
| 137 | 10.104 | 10.082 | 10.137 | HH | 1866   | 42849   | 0.41%  | 0.011%  |
| 138 | 10.149 | 10.137 | 10.170 | HH | 860    | 15763   | 0.15%  | 0.004%  |
| 139 | 10.203 | 10.170 | 10.224 | HH | 1447   | 34081   | 0.33%  | 0.009%  |
| 140 | 10.239 | 10.224 | 10.268 | HH | 1151   | 28295   | 0.27%  | 0.008%  |
| 141 | 10.292 | 10.268 | 10.311 | HH | 1005   | 24068   | 0.23%  | 0.006%  |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 10.388 | 10.311 | 10.425 | HH | 2515   | 104860  | 1.01%  | 0.028% |
| 143 | 10.460 | 10.425 | 10.501 | HH | 4345   | 89527   | 0.86%  | 0.024% |
| 144 | 10.530 | 10.501 | 10.564 | HH | 2288   | 60697   | 0.58%  | 0.016% |
| 145 | 10.584 | 10.564 | 10.617 | HH | 2061   | 49485   | 0.47%  | 0.013% |
|     |        |        |        |    |        |         |        |        |
| 146 | 10.675 | 10.617 | 10.754 | HH | 1543   | 111994  | 1.08%  | 0.030% |
| 147 | 10.798 | 10.754 | 10.820 | HH | 5528   | 130788  | 1.26%  | 0.035% |
| 148 | 10.829 | 10.820 | 10.894 | HH | 4502   | 149362  | 1.43%  | 0.040% |
| 149 | 10.918 | 10.894 | 10.954 | HH | 3077   | 97512   | 0.94%  | 0.026% |
| 150 | 10.966 | 10.954 | 11.003 | HH | 2703   | 66161   | 0.64%  | 0.018% |
|     |        |        |        |    |        |         |        |        |
| 151 | 11.011 | 11.003 | 11.036 | HH | 1858   | 34607   | 0.33%  | 0.009% |
| 152 | 11.059 | 11.036 | 11.078 | HH | 1817   | 42610   | 0.41%  | 0.011% |
| 153 | 11.098 | 11.078 | 11.130 | HH | 2192   | 60750   | 0.58%  | 0.016% |
| 154 | 11.163 | 11.130 | 11.220 | HH | 6164   | 156276  | 1.50%  | 0.042% |
| 155 | 11.251 | 11.220 | 11.278 | HH | 3081   | 81749   | 0.78%  | 0.022% |
|     |        |        |        |    |        |         |        |        |
| 156 | 11.319 | 11.278 | 11.348 | HH | 2552   | 94968   | 0.91%  | 0.025% |
| 157 | 11.364 | 11.348 | 11.384 | HH | 2662   | 50465   | 0.48%  | 0.013% |
| 158 | 11.401 | 11.384 | 11.424 | HH | 2281   | 50851   | 0.49%  | 0.014% |
| 159 | 11.456 | 11.424 | 11.476 | HH | 2399   | 66499   | 0.64%  | 0.018% |
| 160 | 11.493 | 11.476 | 11.525 | HH | 2631   | 73922   | 0.71%  | 0.020% |
|     |        |        |        |    |        |         |        |        |
| 161 | 11.550 | 11.525 | 11.568 | HH | 3104   | 72639   | 0.70%  | 0.019% |
| 162 | 11.590 | 11.568 | 11.615 | HH | 4686   | 109189  | 1.05%  | 0.029% |
| 163 | 11.631 | 11.615 | 11.672 | HH | 4687   | 139056  | 1.33%  | 0.037% |
| 164 | 11.693 | 11.672 | 11.709 | HH | 4405   | 83548   | 0.80%  | 0.022% |
| 165 | 11.733 | 11.709 | 11.750 | HH | 5181   | 110310  | 1.06%  | 0.029% |
|     |        |        |        |    |        |         |        |        |
| 166 | 11.768 | 11.750 | 11.798 | HH | 5599   | 136829  | 1.31%  | 0.036% |
| 167 | 11.803 | 11.798 | 11.815 | HH | 3938   | 39175   | 0.38%  | 0.010% |
| 168 | 11.833 | 11.815 | 11.883 | HH | 5914   | 146614  | 1.41%  | 0.039% |
| 169 | 11.896 | 11.883 | 11.904 | HH | 2764   | 32092   | 0.31%  | 0.009% |
| 170 | 11.919 | 11.904 | 11.930 | HH | 2966   | 44632   | 0.43%  | 0.012% |
|     |        |        |        |    |        |         |        |        |
| 171 | 11.944 | 11.930 | 11.972 | HH | 3098   | 67649   | 0.65%  | 0.018% |
| 172 | 12.036 | 11.972 | 12.053 | HH | 3551   | 140855  | 1.35%  | 0.037% |
| 173 | 12.126 | 12.053 | 12.230 | HH | 88769  | 1581787 | 15.18% | 0.420% |
| 174 | 12.243 | 12.230 | 12.282 | HH | 4660   | 133585  | 1.28%  | 0.035% |
| 175 | 12.306 | 12.282 | 12.356 | HH | 4156   | 173917  | 1.67%  | 0.046% |
|     |        |        |        |    |        |         |        |        |
| 176 | 12.377 | 12.356 | 12.444 | HH | 4337   | 206766  | 1.98%  | 0.055% |
| 177 | 12.473 | 12.444 | 12.495 | HH | 10410  | 197502  | 1.90%  | 0.052% |
| 178 | 12.511 | 12.495 | 12.532 | HH | 5562   | 117014  | 1.12%  | 0.031% |
| 179 | 12.543 | 12.532 | 12.571 | HH | 5306   | 115259  | 1.11%  | 0.031% |
| 180 | 12.595 | 12.571 | 12.680 | HH | 28525  | 699357  | 6.71%  | 0.186% |
|     |        |        |        |    |        |         |        |        |
| 181 | 12.693 | 12.680 | 12.708 | HH | 4164   | 69617   | 0.67%  | 0.018% |
| 182 | 12.721 | 12.708 | 12.740 | HH | 4148   | 73103   | 0.70%  | 0.019% |
| 183 | 12.798 | 12.740 | 12.855 | HH | 4746   | 295893  | 2.84%  | 0.079% |
| 184 | 12.893 | 12.855 | 12.952 | HH | 31088  | 702854  | 6.75%  | 0.187% |
| 185 | 12.960 | 12.952 | 12.998 | HH | 6526   | 156431  | 1.50%  | 0.042% |
|     |        |        |        |    |        |         |        |        |
| 186 | 13.022 | 12.998 | 13.064 | HH | 5556   | 195126  | 1.87%  | 0.052% |
| 187 | 13.085 | 13.064 | 13.105 | HH | 6846   | 128898  | 1.24%  | 0.034% |
| 188 | 13.159 | 13.105 | 13.184 | HH | 5198   | 213303  | 2.05%  | 0.057% |
| 189 | 13.202 | 13.184 | 13.210 | HH | 5184   | 75482   | 0.72%  | 0.020% |
| 190 | 13.236 | 13.210 | 13.295 | HH | 5613   | 264167  | 2.54%  | 0.070% |
|     |        |        |        |    |        |         |        |        |
| 191 | 13.311 | 13.295 | 13.325 | HH | 4556   | 80133   | 0.77%  | 0.021% |
| 192 | 13.349 | 13.325 | 13.455 | HH | 22505  | 671040  | 6.44%  | 0.178% |
| 193 | 13.476 | 13.455 | 13.499 | HH | 6710   | 153733  | 1.48%  | 0.041% |
| 194 | 13.517 | 13.499 | 13.602 | HH | 7707   | 336608  | 3.23%  | 0.089% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 13.631 | 13.602 | 13.644 | HH | 6436   | 139803  | 1.34%  | 0.037% |
| 196 | 13.671 | 13.644 | 13.722 | HH | 12185  | 316277  | 3.04%  | 0.084% |
| 197 | 13.780 | 13.722 | 13.810 | HH | 6715   | 281575  | 2.70%  | 0.075% |
| 198 | 13.830 | 13.810 | 13.952 | HH | 5984   | 393949  | 3.78%  | 0.105% |
| 199 | 13.981 | 13.952 | 13.998 | HH | 4125   | 113105  | 1.09%  | 0.030% |
| 200 | 14.006 | 13.998 | 14.016 | HH | 4142   | 43392   | 0.42%  | 0.012% |
| 201 | 14.035 | 14.016 | 14.055 | HH | 4575   | 101107  | 0.97%  | 0.027% |
| 202 | 14.081 | 14.055 | 14.145 | HH | 8281   | 289750  | 2.78%  | 0.077% |
| 203 | 14.202 | 14.145 | 14.215 | HH | 4987   | 192783  | 1.85%  | 0.051% |
| 204 | 14.235 | 14.215 | 14.275 | HH | 9729   | 225535  | 2.16%  | 0.060% |
| 205 | 14.349 | 14.275 | 14.418 | HH | 8406   | 512283  | 4.92%  | 0.136% |
| 206 | 14.471 | 14.418 | 14.486 | HH | 7509   | 262669  | 2.52%  | 0.070% |
| 207 | 14.510 | 14.486 | 14.544 | HH | 7452   | 239216  | 2.30%  | 0.064% |
| 208 | 14.578 | 14.544 | 14.618 | HH | 259848 | 3170998 | 30.44% | 0.843% |
| 209 | 14.637 | 14.618 | 14.674 | HH | 7163   | 212235  | 2.04%  | 0.056% |
| 210 | 14.719 | 14.674 | 14.732 | HH | 6220   | 205796  | 1.98%  | 0.055% |
| 211 | 14.746 | 14.732 | 14.757 | HH | 6736   | 97883   | 0.94%  | 0.026% |
| 212 | 14.776 | 14.757 | 14.791 | HH | 11460  | 179328  | 1.72%  | 0.048% |
| 213 | 14.809 | 14.791 | 14.831 | HH | 17765  | 308469  | 2.96%  | 0.082% |
| 214 | 14.850 | 14.831 | 14.945 | HH | 16954  | 713140  | 6.85%  | 0.189% |
| 215 | 14.967 | 14.945 | 15.005 | HH | 8825   | 276271  | 2.65%  | 0.073% |
| 216 | 15.026 | 15.005 | 15.072 | HH | 7015   | 269064  | 2.58%  | 0.071% |
| 217 | 15.110 | 15.072 | 15.135 | HH | 7097   | 257016  | 2.47%  | 0.068% |
| 218 | 15.166 | 15.135 | 15.242 | HH | 100758 | 1771739 | 17.01% | 0.471% |
| 219 | 15.249 | 15.242 | 15.270 | HH | 8453   | 139922  | 1.34%  | 0.037% |
| 220 | 15.297 | 15.270 | 15.339 | HH | 14307  | 390808  | 3.75%  | 0.104% |
| 221 | 15.363 | 15.339 | 15.385 | HH | 10243  | 239236  | 2.30%  | 0.064% |
| 222 | 15.401 | 15.385 | 15.418 | HH | 7833   | 151560  | 1.45%  | 0.040% |
| 223 | 15.452 | 15.418 | 15.465 | HH | 8133   | 220825  | 2.12%  | 0.059% |
| 224 | 15.498 | 15.465 | 15.525 | HH | 10402  | 330860  | 3.18%  | 0.088% |
| 225 | 15.548 | 15.525 | 15.575 | HH | 9675   | 278739  | 2.68%  | 0.074% |
| 226 | 15.596 | 15.575 | 15.614 | HH | 9817   | 219275  | 2.10%  | 0.058% |
| 227 | 15.638 | 15.614 | 15.658 | HH | 10414  | 266769  | 2.56%  | 0.071% |
| 228 | 15.687 | 15.658 | 15.735 | HH | 12300  | 486741  | 4.67%  | 0.129% |
| 229 | 15.754 | 15.735 | 15.768 | HH | 9520   | 188173  | 1.81%  | 0.050% |
| 230 | 15.799 | 15.768 | 15.855 | HH | 17570  | 583805  | 5.60%  | 0.155% |
| 231 | 15.868 | 15.855 | 15.881 | HH | 9718   | 151763  | 1.46%  | 0.040% |
| 232 | 16.003 | 15.881 | 16.013 | HH | 10270  | 779756  | 7.48%  | 0.207% |
| 233 | 16.088 | 16.013 | 16.124 | HH | 13228  | 729690  | 7.00%  | 0.194% |
| 234 | 16.184 | 16.124 | 16.218 | HH | 19742  | 742306  | 7.13%  | 0.197% |
| 235 | 16.244 | 16.218 | 16.257 | HH | 12277  | 280195  | 2.69%  | 0.074% |
| 236 | 16.282 | 16.257 | 16.326 | HH | 21094  | 584740  | 5.61%  | 0.155% |
| 237 | 16.355 | 16.326 | 16.364 | HH | 12326  | 273065  | 2.62%  | 0.073% |
| 238 | 16.396 | 16.364 | 16.423 | HH | 24970  | 629050  | 6.04%  | 0.167% |
| 239 | 16.440 | 16.423 | 16.518 | HH | 17662  | 862942  | 8.28%  | 0.229% |
| 240 | 16.549 | 16.518 | 16.571 | HH | 15356  | 465613  | 4.47%  | 0.124% |
| 241 | 16.587 | 16.571 | 16.610 | HH | 14971  | 339602  | 3.26%  | 0.090% |
| 242 | 16.633 | 16.610 | 16.646 | HH | 14878  | 319976  | 3.07%  | 0.085% |
| 243 | 16.669 | 16.646 | 16.679 | HH | 15084  | 294137  | 2.82%  | 0.078% |
| 244 | 16.722 | 16.679 | 16.730 | HH | 23119  | 555677  | 5.33%  | 0.148% |
| 245 | 16.749 | 16.730 | 16.774 | HH | 33720  | 641785  | 6.16%  | 0.171% |
| 246 | 16.797 | 16.774 | 16.882 | HH | 32030  | 1382899 | 13.27% | 0.367% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 16.909 | 16.882 | 16.952 | HH | 20676  | 796436  | 7.64%  | 0.212% |
| 248    | 16.963 | 16.952 | 16.973 | HH | 18843  | 235260  | 2.26%  | 0.063% |
| 249    | 16.991 | 16.973 | 17.002 | HH | 18917  | 332677  | 3.19%  | 0.088% |
| 250    | 17.042 | 17.002 | 17.052 | HH | 20239  | 589184  | 5.66%  | 0.157% |
|        |        |        |        |    |        |         |        |        |
| 251    | 17.090 | 17.052 | 17.106 | HH | 21249  | 663601  | 6.37%  | 0.176% |
| 252    | 17.129 | 17.106 | 17.164 | HH | 23155  | 758001  | 7.28%  | 0.201% |
| 253    | 17.201 | 17.164 | 17.235 | HH | 36315  | 1070170 | 10.27% | 0.284% |
| 254    | 17.315 | 17.235 | 17.355 | HH | 22494  | 1579440 | 15.16% | 0.420% |
| 255    | 17.406 | 17.355 | 17.438 | HH | 22698  | 1119508 | 10.75% | 0.297% |
|        |        |        |        |    |        |         |        |        |
| 256    | 17.466 | 17.438 | 17.500 | HH | 24377  | 873123  | 8.38%  | 0.232% |
| 257    | 17.528 | 17.500 | 17.552 | HH | 24065  | 731167  | 7.02%  | 0.194% |
| 258    | 17.638 | 17.552 | 17.664 | HH | 41044  | 1841808 | 17.68% | 0.489% |
| 259    | 17.679 | 17.664 | 17.691 | HH | 25493  | 419147  | 4.02%  | 0.111% |
| 260    | 17.733 | 17.691 | 17.747 | HH | 26881  | 871971  | 8.37%  | 0.232% |
|        |        |        |        |    |        |         |        |        |
| 261    | 17.781 | 17.747 | 17.808 | HH | 30821  | 1030111 | 9.89%  | 0.274% |
| 262    | 17.870 | 17.808 | 17.892 | HH | 29095  | 1418208 | 13.61% | 0.377% |
| 263    | 17.915 | 17.892 | 17.927 | HH | 29726  | 622318  | 5.97%  | 0.165% |
| 264    | 17.963 | 17.927 | 17.981 | HH | 34725  | 1025938 | 9.85%  | 0.273% |
| 265    | 18.008 | 17.981 | 18.041 | HH | 58399  | 1560233 | 14.98% | 0.415% |
|        |        |        |        |    |        |         |        |        |
| 266    | 18.063 | 18.041 | 18.089 | HH | 45546  | 1092020 | 10.48% | 0.290% |
| 267    | 18.119 | 18.089 | 18.134 | HH | 35185  | 943080  | 9.05%  | 0.251% |
| 268    | 18.159 | 18.134 | 18.178 | HH | 35219  | 918648  | 8.82%  | 0.244% |
| 269    | 18.227 | 18.178 | 18.282 | HH | 40323  | 2312297 | 22.20% | 0.614% |
| 270    | 18.305 | 18.282 | 18.315 | HH | 36951  | 736489  | 7.07%  | 0.196% |
|        |        |        |        |    |        |         |        |        |
| 271    | 18.359 | 18.315 | 18.403 | HH | 39030  | 2003229 | 19.23% | 0.532% |
| 272    | 18.470 | 18.403 | 18.524 | HH | 56924  | 3176634 | 30.49% | 0.844% |
| 273    | 18.575 | 18.524 | 18.590 | HH | 42928  | 1676380 | 16.09% | 0.445% |
| 274    | 18.658 | 18.590 | 18.688 | HH | 45502  | 2588607 | 24.85% | 0.688% |
| 275    | 18.699 | 18.688 | 18.713 | HH | 44918  | 664329  | 6.38%  | 0.177% |
|        |        |        |        |    |        |         |        |        |
| 276    | 18.731 | 18.713 | 18.745 | HH | 44958  | 859778  | 8.25%  | 0.228% |
| 277    | 18.767 | 18.745 | 18.781 | HH | 46171  | 980471  | 9.41%  | 0.261% |
| 278    | 18.839 | 18.781 | 18.933 | HH | 64552  | 4718851 | 45.30% | 1.254% |
| 279    | 19.002 | 18.933 | 19.015 | HH | 51830  | 2490090 | 23.90% | 0.662% |
| 280    | 19.079 | 19.015 | 19.088 | HH | 55351  | 2339109 | 22.45% | 0.622% |
|        |        |        |        |    |        |         |        |        |
| 281    | 19.113 | 19.088 | 19.151 | HH | 57102  | 2121424 | 20.36% | 0.564% |
| 282    | 19.186 | 19.151 | 19.212 | HH | 59437  | 2124882 | 20.40% | 0.565% |
| 283    | 19.257 | 19.212 | 19.291 | HH | 62979  | 2892673 | 27.77% | 0.769% |
| 284    | 19.343 | 19.291 | 19.359 | HH | 64641  | 2517831 | 24.17% | 0.669% |
| 285    | 19.374 | 19.359 | 19.392 | HH | 63043  | 1214972 | 11.66% | 0.323% |
|        |        |        |        |    |        |         |        |        |
| 286    | 19.464 | 19.392 | 19.484 | HH | 65906  | 3573222 | 34.30% | 0.949% |
| 287    | 19.548 | 19.484 | 19.568 | HH | 67658  | 3362800 | 32.28% | 0.894% |
| 288    | 19.623 | 19.568 | 19.646 | HH | 74719  | 3298888 | 31.67% | 0.877% |
| 289    | 19.667 | 19.646 | 19.678 | HH | 72375  | 1380044 | 13.25% | 0.367% |
| 290    | 19.687 | 19.678 | 19.700 | HH | 71757  | 922147  | 8.85%  | 0.245% |
|        |        |        |        |    |        |         |        |        |
| 291    | 19.883 | 19.700 | 19.895 | HH | 82498  | 8965424 | 86.06% | 2.382% |
| 292    | 19.998 | 19.895 | 20.021 | HH | 89232  | 6533286 | 62.71% | 1.736% |
| 293    | 20.089 | 20.021 | 20.109 | HH | 89730  | 4605513 | 44.21% | 1.224% |
| 294    | 20.119 | 20.109 | 20.129 | HH | 89335  | 1109632 | 10.65% | 0.295% |
| 295    | 20.165 | 20.129 | 20.185 | HH | 96474  | 3095732 | 29.72% | 0.823% |
|        |        |        |        |    |        |         |        |        |
| 296    | 20.292 | 20.185 | 20.300 | HH | 103412 | 6763753 | 64.92% | 1.797% |
| 297    | 20.360 | 20.300 | 20.382 | HH | 107972 | 5178921 | 49.71% | 1.376% |
| 298    | 20.398 | 20.382 | 20.417 | HH | 107902 | 2307420 | 22.15% | 0.613% |
| 299    | 20.433 | 20.417 | 20.455 | HH | 106972 | 2392249 | 22.96% | 0.636% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 300    | 20.473 | 20.455 | 20.488 | HH | 106667 | 2119591  | 20.35%  | 0.563% |
| 301    | 20.520 | 20.488 | 20.560 | HH | 106864 | 4555747  | 43.73%  | 1.210% |
| 302    | 20.582 | 20.560 | 20.620 | HH | 107304 | 3824709  | 36.71%  | 1.016% |
| 303    | 20.656 | 20.620 | 20.672 | HH | 105450 | 3327234  | 31.94%  | 0.884% |
| 304    | 20.723 | 20.672 | 20.762 | HH | 107966 | 5690814  | 54.63%  | 1.512% |
| 305    | 20.788 | 20.762 | 20.822 | HH | 106325 | 3850773  | 36.96%  | 1.023% |
| 306    | 20.886 | 20.822 | 20.912 | HH | 107612 | 5710890  | 54.82%  | 1.517% |
| 307    | 20.967 | 20.912 | 20.991 | HH | 110110 | 5159088  | 49.52%  | 1.371% |
| 308    | 21.027 | 20.991 | 21.085 | HH | 111076 | 6218635  | 59.69%  | 1.652% |
| 309    | 21.102 | 21.085 | 21.150 | HH | 107520 | 4130690  | 39.65%  | 1.098% |
| 310    | 21.165 | 21.150 | 21.221 | HH | 105386 | 4450912  | 42.72%  | 1.183% |
| 311    | 21.231 | 21.221 | 21.244 | HH | 103346 | 1424623  | 13.67%  | 0.379% |
| 312    | 21.253 | 21.244 | 21.280 | HH | 103279 | 2199794  | 21.12%  | 0.584% |
| 313    | 21.341 | 21.280 | 21.366 | HH | 104848 | 5364576  | 51.49%  | 1.425% |
| 314    | 21.419 | 21.366 | 21.432 | HH | 106078 | 4122159  | 39.57%  | 1.095% |
| 315    | 21.465 | 21.432 | 21.485 | HH | 106262 | 3386989  | 32.51%  | 0.900% |
| 316    | 21.495 | 21.485 | 21.506 | HH | 105675 | 1315563  | 12.63%  | 0.350% |
| 317    | 21.514 | 21.506 | 21.568 | HH | 105626 | 3904003  | 37.47%  | 1.037% |
| 318    | 21.611 | 21.568 | 21.665 | HH | 104872 | 6010876  | 57.70%  | 1.597% |
| 319    | 21.737 | 21.665 | 21.748 | HH | 104697 | 5131382  | 49.26%  | 1.363% |
| 320    | 21.783 | 21.748 | 21.814 | HH | 106604 | 4189983  | 40.22%  | 1.113% |
| 321    | 21.831 | 21.814 | 21.871 | HH | 106948 | 3662068  | 35.15%  | 0.973% |
| 322    | 21.883 | 21.871 | 21.887 | HH | 106132 | 1025163  | 9.84%   | 0.272% |
| 323    | 21.953 | 21.887 | 21.981 | HH | 109940 | 6120892  | 58.75%  | 1.626% |
| 324    | 21.998 | 21.981 | 22.146 | HH | 110299 | 10417850 | 100.00% | 2.768% |
| 325    | 22.229 | 22.146 | 22.265 | HH | 101870 | 7178119  | 68.90%  | 1.907% |
| 326    | 22.298 | 22.265 | 22.310 | HH | 103190 | 2783459  | 26.72%  | 0.740% |
| 327    | 22.327 | 22.310 | 22.367 | HH | 103796 | 3564637  | 34.22%  | 0.947% |
| 328    | 22.397 | 22.367 | 22.425 | HH | 105116 | 3622560  | 34.77%  | 0.963% |
| 329    | 22.473 | 22.425 | 22.488 | HH | 105913 | 3964210  | 38.05%  | 1.053% |
| 330    | 22.520 | 22.488 | 22.549 | HH | 105505 | 3851566  | 36.97%  | 1.023% |
| 331    | 22.564 | 22.549 | 22.582 | HH | 105307 | 2040447  | 19.59%  | 0.542% |
| 332    | 22.594 | 22.582 | 22.646 | HH | 104840 | 4044503  | 38.82%  | 1.075% |
| 333    | 22.660 | 22.646 | 22.696 | HH | 103351 | 3066142  | 29.43%  | 0.815% |
| 334    | 22.705 | 22.696 | 22.755 | HH | 102975 | 3611693  | 34.67%  | 0.960% |
| 335    | 22.769 | 22.755 | 22.778 | HH | 101366 | 1398442  | 13.42%  | 0.372% |
| 336    | 22.787 | 22.778 | 22.816 | HH | 101358 | 2283318  | 21.92%  | 0.607% |
| 337    | 22.829 | 22.816 | 22.855 | HH | 100796 | 2367036  | 22.72%  | 0.629% |
| 338    | 22.888 | 22.855 | 22.975 | HH | 101841 | 7205926  | 69.17%  | 1.915% |
| 339    | 22.981 | 22.975 | 23.007 | HH | 98584  | 1889741  | 18.14%  | 0.502% |
| 340    | 23.018 | 23.007 | 23.032 | HH | 98763  | 1458227  | 14.00%  | 0.387% |
| 341    | 23.049 | 23.032 | 23.075 | HH | 99875  | 2587740  | 24.84%  | 0.688% |
| 342    | 23.096 | 23.075 | 23.115 | HH | 100949 | 2423292  | 23.26%  | 0.644% |
| 343    | 23.145 | 23.115 | 23.255 | HH | 100895 | 8321673  | 79.88%  | 2.211% |
| 344    | 23.274 | 23.255 | 23.286 | HH | 96624  | 1796374  | 17.24%  | 0.477% |
| 345    | 23.293 | 23.286 | 23.303 | HH | 96495  | 1014029  | 9.73%   | 0.269% |
| 346    | 23.323 | 23.303 | 23.334 | HH | 97087  | 1757415  | 16.87%  | 0.467% |
| 347    | 23.350 | 23.334 | 23.355 | HH | 97208  | 1231813  | 11.82%  | 0.327% |
| 348    | 23.468 | 23.355 | 23.478 | HH | 100873 | 7304179  | 70.11%  | 1.941% |
| 349    | 23.490 | 23.478 | 23.502 | HH | 101046 | 1443597  | 13.86%  | 0.384% |
| 350    | 23.541 | 23.502 | 23.585 | HH | 101464 | 5084635  | 48.81%  | 1.351% |
| 351    | 23.596 | 23.585 | 23.602 | HH | 101409 | 1022641  | 9.82%   | 0.272% |

|     |        |        |        |     |        |                         |           |        |
|-----|--------|--------|--------|-----|--------|-------------------------|-----------|--------|
|     |        |        |        |     |        | rteres                  |           |        |
| 352 | 23.608 | 23.602 | 23.632 | HH  | 101420 | 1822877                 | 17.50%    | 0.484% |
| 353 | 23.638 | 23.632 | 23.672 | HH  | 101218 | 2378994                 | 22.84%    | 0.632% |
| 354 | 23.680 | 23.672 | 23.700 | HH  | 100526 | 1678192                 | 16.11%    | 0.446% |
| 355 | 23.724 | 23.700 | 23.755 | HH  | 101571 | 3359046                 | 32.24%    | 0.893% |
| 356 | 23.767 | 23.755 | 23.783 | HH  | 100779 | 1675377                 | 16.08%    | 0.445% |
| 357 | 23.805 | 23.783 | 23.833 | HH  | 100448 | 3012993                 | 28.92%    | 0.801% |
| 358 | 23.842 | 23.833 | 23.908 | HH  | 99904  | 4438736                 | 42.61%    | 1.179% |
| 359 | 23.920 | 23.908 | 23.960 | HH  | 97033  | 3003638                 | 28.83%    | 0.798% |
| 360 | 24.002 | 23.960 | 24.040 | HH  | 97404  | 4625758                 | 44.40%    | 1.229% |
| 361 | 24.169 | 24.040 | 24.180 | HH  | 101941 | 8360594                 | 80.25%    | 2.221% |
| 362 | 24.195 | 24.180 | 24.242 | HHA | 102467 | 3844953                 | 36.91%    | 1.022% |
|     |        |        |        |     |        | Sum of corrected areas: | 376358231 |        |

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