

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF080318\  
 Data File : FF001646.D  
 Signal(s) : FID2B.ch  
 Acq On : 03 Aug 2018 08:15  
 Sample : J4307-05  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_F\Method\FF073018.M  
 Title :

Signal : FID2B.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         | 2.041       | 2.032        | 2.052      | BH       | 69             | 485          | 0.00%          | 0.000%        |
| 2         | 2.067       | 2.052        | 2.087      | HH       | 758            | 6328         | 0.06%          | 0.002%        |
| 3         | 2.095       | 2.087        | 2.112      | PH       | 83             | -162         | -0.00%         | -0.000%       |
| 4         | 2.128       | 2.112        | 2.141      | PH       | 46             | -126         | -0.00%         | -0.000%       |
| 5         | 2.146       | 2.141        | 2.149      | PH       | -15            | -82          | -0.00%         | -0.000%       |
| 6         | 2.152       | 2.149        | 2.156      | PH       | 37             | -142         | -0.00%         | -0.000%       |
| 7         | 2.176       | 2.156        | 2.182      | PH       | -4             | -813         | -0.01%         | -0.000%       |
| 8         | 2.185       | 2.182        | 2.225      | PH       | 28             | -224         | -0.00%         | -0.000%       |
| 9         | 2.238       | 2.225        | 2.266      | HH       | 293            | 3419         | 0.03%          | 0.001%        |
| 10        | 2.287       | 2.266        | 2.314      | PH       | 479            | 5124         | 0.05%          | 0.001%        |
| 11        | 2.326       | 2.314        | 2.339      | HH       | 616            | 4893         | 0.04%          | 0.001%        |
| 12        | 2.349       | 2.339        | 2.364      | HH       | 393            | 3911         | 0.03%          | 0.001%        |
| 13        | 2.377       | 2.364        | 2.392      | HH       | 859            | 8192         | 0.07%          | 0.002%        |
| 14        | 2.410       | 2.392        | 2.419      | HH       | 358            | 4658         | 0.04%          | 0.001%        |
| 15        | 2.426       | 2.419        | 2.444      | HH       | 286            | 3388         | 0.03%          | 0.001%        |
| 16        | 2.449       | 2.444        | 2.455      | HH       | 278            | 1508         | 0.01%          | 0.000%        |
| 17        | 2.462       | 2.455        | 2.480      | HH       | 230            | 3186         | 0.03%          | 0.001%        |
| 18        | 2.512       | 2.480        | 2.544      | HH       | 1081           | 26148        | 0.23%          | 0.008%        |
| 19        | 2.603       | 2.544        | 2.627      | HH       | 2125           | 66568        | 0.59%          | 0.019%        |
| 20        | 2.634       | 2.627        | 2.647      | HH       | 1598           | 18393        | 0.16%          | 0.005%        |
| 21        | 2.662       | 2.647        | 2.676      | HH       | 1667           | 27062        | 0.24%          | 0.008%        |
| 22        | 2.690       | 2.676        | 2.731      | HH       | 1785           | 56622        | 0.50%          | 0.016%        |
| 23        | 2.777       | 2.731        | 2.802      | HH       | 5930           | 131888       | 1.16%          | 0.038%        |
| 24        | 2.813       | 2.802        | 2.849      | HH       | 3819           | 83315        | 0.73%          | 0.024%        |
| 25        | 2.881       | 2.849        | 2.939      | HH       | 2402           | 111371       | 0.98%          | 0.032%        |
| 26        | 2.963       | 2.939        | 2.984      | HH       | 1960           | 48009        | 0.42%          | 0.014%        |
| 27        | 2.995       | 2.984        | 3.002      | HH       | 1884           | 20158        | 0.18%          | 0.006%        |
| 28        | 3.004       | 3.002        | 3.039      | HH       | 1867           | 36547        | 0.32%          | 0.011%        |
| 29        | 3.042       | 3.039        | 3.050      | HH       | 1607           | 10437        | 0.09%          | 0.003%        |
| 30        | 3.064       | 3.050        | 3.134      | HH       | 2222           | 77192        | 0.68%          | 0.022%        |
| 31        | 3.158       | 3.134        | 3.191      | HH       | 2536           | 56127        | 0.50%          | 0.016%        |
| 32        | 3.199       | 3.191        | 3.221      | HH       | 1411           | 21969        | 0.19%          | 0.006%        |
| 33        | 3.237       | 3.221        | 3.246      | HH       | 1374           | 19141        | 0.17%          | 0.006%        |
| 34        | 3.250       | 3.246        | 3.301      | HH       | 1273           | 35054        | 0.31%          | 0.010%        |
| 35        | 3.321       | 3.301        | 3.338      | HH       | 1558           | 28787        | 0.25%          | 0.008%        |
| 36        | 3.355       | 3.338        | 3.378      | HH       | 1644           | 34116        | 0.30%          | 0.010%        |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 37         | 3.385 | 3.378 | 3.409 | HH | 1406  | 24377  | 0.22% | 0.007% |
| 38         | 3.431 | 3.409 | 3.480 | HH | 1861  | 63461  | 0.56% | 0.018% |
| 39         | 3.484 | 3.480 | 3.491 | HH | 1445  | 9252   | 0.08% | 0.003% |
| 40         | 3.504 | 3.491 | 3.528 | HH | 1611  | 32355  | 0.29% | 0.009% |
|            |       |       |       |    |       |        |       |        |
| 41         | 3.550 | 3.528 | 3.570 | HH | 1644  | 36759  | 0.32% | 0.011% |
| 42         | 3.588 | 3.570 | 3.604 | HH | 1578  | 27271  | 0.24% | 0.008% |
| 43         | 3.610 | 3.604 | 3.615 | HH | 1149  | 7987   | 0.07% | 0.002% |
| 44         | 3.636 | 3.615 | 3.657 | HH | 1689  | 34710  | 0.31% | 0.010% |
| 45         | 3.664 | 3.657 | 3.681 | HH | 1255  | 15934  | 0.14% | 0.005% |
|            |       |       |       |    |       |        |       |        |
| 46         | 3.701 | 3.681 | 3.709 | HH | 1223  | 18750  | 0.17% | 0.005% |
| 47         | 3.754 | 3.709 | 3.868 | HH | 16221 | 520308 | 4.59% | 0.150% |
| 48         | 3.883 | 3.868 | 3.911 | HH | 3069  | 67109  | 0.59% | 0.019% |
| 49         | 3.919 | 3.911 | 4.016 | HH | 2285  | 108569 | 0.96% | 0.031% |
| 50         | 4.027 | 4.016 | 4.051 | HH | 1326  | 25977  | 0.23% | 0.007% |
|            |       |       |       |    |       |        |       |        |
| 51         | 4.069 | 4.051 | 4.101 | HH | 1638  | 39641  | 0.35% | 0.011% |
| 52         | 4.122 | 4.101 | 4.146 | HH | 2283  | 40875  | 0.36% | 0.012% |
| 53         | 4.157 | 4.146 | 4.177 | HH | 1333  | 22134  | 0.20% | 0.006% |
| 54         | 4.197 | 4.177 | 4.206 | HH | 1214  | 18727  | 0.17% | 0.005% |
| 55         | 4.221 | 4.206 | 4.255 | HH | 1440  | 35320  | 0.31% | 0.010% |
|            |       |       |       |    |       |        |       |        |
| 56         | 4.275 | 4.255 | 4.337 | HH | 3005  | 87481  | 0.77% | 0.025% |
| 57         | 4.342 | 4.337 | 4.358 | HH | 1423  | 16955  | 0.15% | 0.005% |
| 58         | 4.374 | 4.358 | 4.417 | HH | 1590  | 41514  | 0.37% | 0.012% |
| 59         | 4.421 | 4.417 | 4.425 | HH | 922   | 4079   | 0.04% | 0.001% |
| 60         | 4.456 | 4.425 | 4.487 | HH | 3997  | 64188  | 0.57% | 0.018% |
|            |       |       |       |    |       |        |       |        |
| 61         | 4.495 | 4.487 | 4.512 | HH | 996   | 13690  | 0.12% | 0.004% |
| 62         | 4.533 | 4.512 | 4.558 | HH | 1475  | 30836  | 0.27% | 0.009% |
| 63         | 4.576 | 4.558 | 4.609 | HH | 1707  | 34649  | 0.31% | 0.010% |
| 64         | 4.634 | 4.609 | 4.639 | HH | 962   | 15758  | 0.14% | 0.005% |
| 65         | 4.645 | 4.639 | 4.668 | HH | 913   | 13887  | 0.12% | 0.004% |
|            |       |       |       |    |       |        |       |        |
| 66         | 4.673 | 4.668 | 4.689 | HH | 794   | 9234   | 0.08% | 0.003% |
| 67         | 4.714 | 4.689 | 4.745 | HH | 1326  | 33682  | 0.30% | 0.010% |
| 68         | 4.755 | 4.745 | 4.779 | HH | 1050  | 18636  | 0.16% | 0.005% |
| 69         | 4.805 | 4.779 | 4.848 | HH | 6963  | 124776 | 1.10% | 0.036% |
| 70         | 4.854 | 4.848 | 4.868 | HH | 1504  | 17327  | 0.15% | 0.005% |
|            |       |       |       |    |       |        |       |        |
| 71         | 4.887 | 4.868 | 4.939 | HH | 1879  | 53011  | 0.47% | 0.015% |
| 72         | 4.945 | 4.939 | 4.959 | HH | 912   | 9757   | 0.09% | 0.003% |
| 73         | 4.985 | 4.959 | 5.006 | HH | 1533  | 31259  | 0.28% | 0.009% |
| 74         | 5.011 | 5.006 | 5.029 | HH | 1044  | 13729  | 0.12% | 0.004% |
| 75         | 5.037 | 5.029 | 5.060 | HH | 1050  | 15455  | 0.14% | 0.004% |
|            |       |       |       |    |       |        |       |        |
| 76         | 5.093 | 5.060 | 5.117 | HH | 1178  | 29951  | 0.26% | 0.009% |
| 77         | 5.122 | 5.117 | 5.132 | HH | 742   | 5982   | 0.05% | 0.002% |
| 78         | 5.154 | 5.132 | 5.181 | HH | 6677  | 85257  | 0.75% | 0.025% |
| 79         | 5.192 | 5.181 | 5.212 | HH | 1046  | 15574  | 0.14% | 0.004% |
| 80         | 5.240 | 5.212 | 5.286 | HH | 1598  | 41093  | 0.36% | 0.012% |
|            |       |       |       |    |       |        |       |        |
| 81         | 5.299 | 5.286 | 5.323 | HH | 1029  | 18096  | 0.16% | 0.005% |
| 82         | 5.331 | 5.323 | 5.357 | HH | 898   | 14352  | 0.13% | 0.004% |
| 83         | 5.360 | 5.357 | 5.386 | HH | 607   | 9169   | 0.08% | 0.003% |
| 84         | 5.408 | 5.386 | 5.412 | HH | 740   | 9904   | 0.09% | 0.003% |
| 85         | 5.439 | 5.412 | 5.467 | HH | 973   | 25628  | 0.23% | 0.007% |
|            |       |       |       |    |       |        |       |        |
| 86         | 5.472 | 5.467 | 5.481 | HH | 604   | 4387   | 0.04% | 0.001% |
| 87         | 5.487 | 5.481 | 5.489 | HH | 557   | 2585   | 0.02% | 0.001% |
| 88         | 5.514 | 5.489 | 5.547 | HH | 827   | 21583  | 0.19% | 0.006% |
| 89         | 5.570 | 5.547 | 5.574 | HH | 493   | 7129   | 0.06% | 0.002% |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 90         | 5.594 | 5.574 | 5.624 | HH | 740   | 15928  | 0.14% | 0.005% |
| 91         | 5.649 | 5.624 | 5.667 | HH | 655   | 13222  | 0.12% | 0.004% |
| 92         | 5.695 | 5.667 | 5.771 | HH | 3472  | 101030 | 0.89% | 0.029% |
| 93         | 5.776 | 5.771 | 5.779 | HH | 1044  | 4849   | 0.04% | 0.001% |
| 94         | 5.784 | 5.779 | 5.807 | HH | 1089  | 15124  | 0.13% | 0.004% |
| 95         | 5.856 | 5.807 | 5.894 | HH | 2063  | 60517  | 0.53% | 0.017% |
| 96         | 5.923 | 5.894 | 5.960 | HH | 1265  | 33769  | 0.30% | 0.010% |
| 97         | 5.986 | 5.960 | 5.998 | HH | 917   | 18474  | 0.16% | 0.005% |
| 98         | 6.025 | 5.998 | 6.052 | HH | 2417  | 46511  | 0.41% | 0.013% |
| 99         | 6.081 | 6.052 | 6.097 | HH | 1396  | 31832  | 0.28% | 0.009% |
| 100        | 6.128 | 6.097 | 6.176 | HH | 2817  | 72468  | 0.64% | 0.021% |
| 101        | 6.188 | 6.176 | 6.205 | HH | 961   | 15734  | 0.14% | 0.005% |
| 102        | 6.211 | 6.205 | 6.231 | HH | 908   | 12477  | 0.11% | 0.004% |
| 103        | 6.243 | 6.231 | 6.249 | HH | 847   | 8170   | 0.07% | 0.002% |
| 104        | 6.275 | 6.249 | 6.332 | HH | 1733  | 49221  | 0.43% | 0.014% |
| 105        | 6.345 | 6.332 | 6.377 | HH | 732   | 15592  | 0.14% | 0.004% |
| 106        | 6.394 | 6.377 | 6.416 | HH | 676   | 11611  | 0.10% | 0.003% |
| 107        | 6.436 | 6.416 | 6.461 | HH | 673   | 13678  | 0.12% | 0.004% |
| 108        | 6.467 | 6.461 | 6.481 | HH | 427   | 5097   | 0.04% | 0.001% |
| 109        | 6.496 | 6.481 | 6.550 | HH | 687   | 19387  | 0.17% | 0.006% |
| 110        | 6.564 | 6.550 | 6.581 | HH | 459   | 6617   | 0.06% | 0.002% |
| 111        | 6.585 | 6.581 | 6.590 | HH | 321   | 1754   | 0.02% | 0.001% |
| 112        | 6.600 | 6.590 | 6.610 | HH | 449   | 4157   | 0.04% | 0.001% |
| 113        | 6.648 | 6.610 | 6.656 | HH | 766   | 16028  | 0.14% | 0.005% |
| 114        | 6.679 | 6.656 | 6.711 | HH | 840   | 22007  | 0.19% | 0.006% |
| 115        | 6.744 | 6.711 | 6.775 | HH | 2350  | 53487  | 0.47% | 0.015% |
| 116        | 6.781 | 6.775 | 6.799 | HH | 1076  | 14170  | 0.13% | 0.004% |
| 117        | 6.825 | 6.799 | 6.849 | HH | 2105  | 40836  | 0.36% | 0.012% |
| 118        | 6.874 | 6.849 | 6.909 | HH | 2664  | 54562  | 0.48% | 0.016% |
| 119        | 6.921 | 6.909 | 6.964 | HH | 1341  | 33340  | 0.29% | 0.010% |
| 120        | 6.975 | 6.964 | 7.002 | HH | 903   | 18244  | 0.16% | 0.005% |
| 121        | 7.013 | 7.002 | 7.026 | HH | 934   | 11679  | 0.10% | 0.003% |
| 122        | 7.047 | 7.026 | 7.081 | HH | 2202  | 39097  | 0.34% | 0.011% |
| 123        | 7.103 | 7.081 | 7.180 | HH | 5491  | 145957 | 1.29% | 0.042% |
| 124        | 7.191 | 7.180 | 7.244 | HH | 1443  | 43894  | 0.39% | 0.013% |
| 125        | 7.258 | 7.244 | 7.267 | HH | 881   | 11174  | 0.10% | 0.003% |
| 126        | 7.285 | 7.267 | 7.301 | HH | 998   | 18207  | 0.16% | 0.005% |
| 127        | 7.316 | 7.301 | 7.352 | HH | 1204  | 26151  | 0.23% | 0.008% |
| 128        | 7.375 | 7.352 | 7.392 | HH | 629   | 13450  | 0.12% | 0.004% |
| 129        | 7.405 | 7.392 | 7.419 | HH | 623   | 8755   | 0.08% | 0.003% |
| 130        | 7.487 | 7.419 | 7.552 | HH | 1686  | 82313  | 0.73% | 0.024% |
| 131        | 7.615 | 7.552 | 7.639 | HH | 1554  | 55619  | 0.49% | 0.016% |
| 132        | 7.661 | 7.639 | 7.691 | HH | 1267  | 31841  | 0.28% | 0.009% |
| 133        | 7.732 | 7.691 | 7.766 | HH | 2396  | 63472  | 0.56% | 0.018% |
| 134        | 7.828 | 7.766 | 7.846 | HH | 4591  | 113108 | 1.00% | 0.033% |
| 135        | 7.857 | 7.846 | 7.878 | HH | 2943  | 46346  | 0.41% | 0.013% |
| 136        | 7.911 | 7.878 | 7.946 | HH | 3844  | 87682  | 0.77% | 0.025% |
| 137        | 7.970 | 7.946 | 7.997 | HH | 44660 | 552826 | 4.88% | 0.159% |
| 138        | 8.008 | 7.997 | 8.086 | HH | 7338  | 186107 | 1.64% | 0.054% |
| 139        | 8.098 | 8.086 | 8.127 | HH | 1879  | 38467  | 0.34% | 0.011% |
| 140        | 8.145 | 8.127 | 8.224 | HH | 1512  | 57146  | 0.50% | 0.016% |
| 141        | 8.261 | 8.224 | 8.276 | HH | 1270  | 32351  | 0.29% | 0.009% |

|     |        |        |        |    | rteres.txt |         |        |        |  |
|-----|--------|--------|--------|----|------------|---------|--------|--------|--|
| 142 | 8.301  | 8.276  | 8.339  | HH | 9110       | 147405  | 1.30%  | 0.042% |  |
| 143 | 8.358  | 8.339  | 8.374  | HH | 2514       | 45697   | 0.40%  | 0.013% |  |
| 144 | 8.392  | 8.374  | 8.426  | HH | 2182       | 61716   | 0.54%  | 0.018% |  |
| 145 | 8.446  | 8.426  | 8.481  | HH | 2666       | 58412   | 0.52%  | 0.017% |  |
| 146 | 8.495  | 8.481  | 8.511  | HH | 1479       | 22632   | 0.20%  | 0.007% |  |
| 147 | 8.540  | 8.511  | 8.566  | HH | 5246       | 98463   | 0.87%  | 0.028% |  |
| 148 | 8.584  | 8.566  | 8.605  | HH | 3281       | 62512   | 0.55%  | 0.018% |  |
| 149 | 8.636  | 8.605  | 8.696  | HH | 3231       | 120498  | 1.06%  | 0.035% |  |
| 150 | 8.730  | 8.696  | 8.800  | HH | 5335       | 167634  | 1.48%  | 0.048% |  |
| 151 | 8.812  | 8.800  | 8.841  | HH | 1274       | 27541   | 0.24%  | 0.008% |  |
| 152 | 8.866  | 8.841  | 8.886  | HH | 3379       | 56897   | 0.50%  | 0.016% |  |
| 153 | 8.903  | 8.886  | 8.937  | HH | 2642       | 60683   | 0.54%  | 0.017% |  |
| 154 | 8.954  | 8.937  | 8.969  | HH | 1740       | 29934   | 0.26%  | 0.009% |  |
| 155 | 9.001  | 8.969  | 9.032  | HH | 3373       | 81453   | 0.72%  | 0.023% |  |
| 156 | 9.045  | 9.032  | 9.061  | HH | 1735       | 27104   | 0.24%  | 0.008% |  |
| 157 | 9.089  | 9.061  | 9.132  | HH | 6216       | 157611  | 1.39%  | 0.045% |  |
| 158 | 9.163  | 9.132  | 9.184  | HH | 4511       | 96748   | 0.85%  | 0.028% |  |
| 159 | 9.202  | 9.184  | 9.211  | HH | 2950       | 44061   | 0.39%  | 0.013% |  |
| 160 | 9.231  | 9.211  | 9.264  | HH | 5156       | 112252  | 0.99%  | 0.032% |  |
| 161 | 9.289  | 9.264  | 9.314  | HH | 3614       | 82977   | 0.73%  | 0.024% |  |
| 162 | 9.332  | 9.314  | 9.382  | HH | 4335       | 109766  | 0.97%  | 0.032% |  |
| 163 | 9.411  | 9.382  | 9.476  | HH | 4657       | 188551  | 1.66%  | 0.054% |  |
| 164 | 9.507  | 9.476  | 9.545  | HH | 7641       | 177725  | 1.57%  | 0.051% |  |
| 165 | 9.569  | 9.545  | 9.587  | HH | 3374       | 77232   | 0.68%  | 0.022% |  |
| 166 | 9.600  | 9.587  | 9.631  | HH | 3094       | 69501   | 0.61%  | 0.020% |  |
| 167 | 9.666  | 9.631  | 9.727  | HH | 3156       | 134710  | 1.19%  | 0.039% |  |
| 168 | 9.742  | 9.727  | 9.757  | HH | 1897       | 33108   | 0.29%  | 0.010% |  |
| 169 | 9.778  | 9.757  | 9.799  | HH | 2099       | 48060   | 0.42%  | 0.014% |  |
| 170 | 9.825  | 9.799  | 9.840  | HH | 2841       | 57804   | 0.51%  | 0.017% |  |
| 171 | 9.884  | 9.840  | 9.911  | HH | 3352       | 120996  | 1.07%  | 0.035% |  |
| 172 | 9.934  | 9.911  | 9.948  | HH | 5934       | 106077  | 0.94%  | 0.031% |  |
| 173 | 9.964  | 9.948  | 9.997  | HH | 5726       | 146631  | 1.29%  | 0.042% |  |
| 174 | 10.007 | 9.997  | 10.047 | HH | 4650       | 120136  | 1.06%  | 0.035% |  |
| 175 | 10.083 | 10.047 | 10.116 | HH | 7023       | 195638  | 1.73%  | 0.056% |  |
| 176 | 10.152 | 10.116 | 10.184 | HH | 7048       | 226795  | 2.00%  | 0.065% |  |
| 177 | 10.203 | 10.184 | 10.222 | HH | 6118       | 129175  | 1.14%  | 0.037% |  |
| 178 | 10.244 | 10.222 | 10.265 | HH | 10851      | 198845  | 1.75%  | 0.057% |  |
| 179 | 10.303 | 10.265 | 10.368 | HH | 9254       | 415165  | 3.66%  | 0.120% |  |
| 180 | 10.384 | 10.368 | 10.396 | HH | 5627       | 83522   | 0.74%  | 0.024% |  |
| 181 | 10.408 | 10.396 | 10.436 | HH | 5512       | 119319  | 1.05%  | 0.034% |  |
| 182 | 10.475 | 10.436 | 10.532 | HH | 95747      | 1417660 | 12.51% | 0.408% |  |
| 183 | 10.557 | 10.532 | 10.597 | HH | 21447      | 436631  | 3.85%  | 0.126% |  |
| 184 | 10.612 | 10.597 | 10.646 | HH | 6033       | 160057  | 1.41%  | 0.046% |  |
| 185 | 10.657 | 10.646 | 10.678 | HH | 5081       | 94034   | 0.83%  | 0.027% |  |
| 186 | 10.690 | 10.678 | 10.720 | HH | 4536       | 105109  | 0.93%  | 0.030% |  |
| 187 | 10.750 | 10.720 | 10.765 | HH | 4987       | 118579  | 1.05%  | 0.034% |  |
| 188 | 10.797 | 10.765 | 10.852 | HH | 8736       | 321757  | 2.84%  | 0.093% |  |
| 189 | 10.874 | 10.852 | 10.895 | HH | 8111       | 167906  | 1.48%  | 0.048% |  |
| 190 | 10.913 | 10.895 | 10.927 | HH | 7627       | 119956  | 1.06%  | 0.035% |  |
| 191 | 10.942 | 10.927 | 10.959 | HH | 7984       | 130801  | 1.15%  | 0.038% |  |
| 192 | 10.976 | 10.959 | 10.988 | HH | 7580       | 119746  | 1.06%  | 0.034% |  |
| 193 | 11.013 | 10.988 | 11.055 | HH | 9861       | 307576  | 2.71%  | 0.089% |  |
| 194 | 11.080 | 11.055 | 11.099 | HH | 7679       | 170899  | 1.51%  | 0.049% |  |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 11.131 | 11.099 | 11.156 | HH | 11263      | 270872  | 2.39%  | 0.078% |
| 196 | 11.183 | 11.156 | 11.226 | HH | 14179      | 344563  | 3.04%  | 0.099% |
| 197 | 11.278 | 11.226 | 11.294 | HH | 21885      | 451432  | 3.98%  | 0.130% |
| 198 | 11.311 | 11.294 | 11.356 | HH | 26065      | 531666  | 4.69%  | 0.153% |
| 199 | 11.387 | 11.356 | 11.409 | HH | 26659      | 517561  | 4.57%  | 0.149% |
| 200 | 11.426 | 11.409 | 11.439 | HH | 18038      | 258899  | 2.28%  | 0.075% |
| 201 | 11.457 | 11.439 | 11.516 | HH | 23456      | 568837  | 5.02%  | 0.164% |
| 202 | 11.572 | 11.516 | 11.586 | HH | 7238       | 273347  | 2.41%  | 0.079% |
| 203 | 11.609 | 11.586 | 11.637 | HH | 18943      | 368450  | 3.25%  | 0.106% |
| 204 | 11.669 | 11.637 | 11.727 | HH | 14101      | 534424  | 4.71%  | 0.154% |
| 205 | 11.752 | 11.727 | 11.832 | HH | 15392      | 612409  | 5.40%  | 0.176% |
| 206 | 11.843 | 11.832 | 11.854 | HH | 7626       | 97774   | 0.86%  | 0.028% |
| 207 | 11.875 | 11.854 | 11.926 | HH | 15104      | 415588  | 3.67%  | 0.120% |
| 208 | 11.950 | 11.926 | 11.962 | HH | 8038       | 171699  | 1.51%  | 0.049% |
| 209 | 11.998 | 11.962 | 12.009 | HH | 10641      | 260011  | 2.29%  | 0.075% |
| 210 | 12.022 | 12.009 | 12.044 | HH | 10332      | 200958  | 1.77%  | 0.058% |
| 211 | 12.067 | 12.044 | 12.116 | HH | 15521      | 480648  | 4.24%  | 0.138% |
| 212 | 12.146 | 12.116 | 12.156 | HH | 16991      | 306709  | 2.71%  | 0.088% |
| 213 | 12.174 | 12.156 | 12.195 | HH | 23363      | 417771  | 3.69%  | 0.120% |
| 214 | 12.212 | 12.195 | 12.224 | HH | 15342      | 253917  | 2.24%  | 0.073% |
| 215 | 12.243 | 12.224 | 12.262 | HH | 19487      | 369970  | 3.26%  | 0.107% |
| 216 | 12.288 | 12.262 | 12.359 | HH | 195245     | 2909116 | 25.66% | 0.838% |
| 217 | 12.383 | 12.359 | 12.410 | HH | 11157      | 312895  | 2.76%  | 0.090% |
| 218 | 12.477 | 12.410 | 12.497 | HH | 17508      | 672216  | 5.93%  | 0.194% |
| 219 | 12.531 | 12.497 | 12.556 | HH | 14834      | 475026  | 4.19%  | 0.137% |
| 220 | 12.583 | 12.556 | 12.623 | HH | 173081     | 2465569 | 21.75% | 0.710% |
| 221 | 12.645 | 12.623 | 12.662 | HH | 27649      | 483609  | 4.27%  | 0.139% |
| 222 | 12.680 | 12.662 | 12.714 | HH | 31657      | 679607  | 6.00%  | 0.196% |
| 223 | 12.727 | 12.714 | 12.742 | HH | 12762      | 212393  | 1.87%  | 0.061% |
| 224 | 12.765 | 12.742 | 12.785 | HH | 17896      | 387135  | 3.42%  | 0.111% |
| 225 | 12.804 | 12.785 | 12.831 | HH | 15541      | 379028  | 3.34%  | 0.109% |
| 226 | 12.862 | 12.831 | 12.903 | HH | 50008      | 1043971 | 9.21%  | 0.301% |
| 227 | 12.920 | 12.903 | 12.946 | HH | 15307      | 352271  | 3.11%  | 0.101% |
| 228 | 12.950 | 12.946 | 12.962 | HH | 12457      | 118152  | 1.04%  | 0.034% |
| 229 | 12.988 | 12.962 | 13.023 | HH | 17445      | 541963  | 4.78%  | 0.156% |
| 230 | 13.050 | 13.023 | 13.107 | HH | 24536      | 838285  | 7.40%  | 0.241% |
| 231 | 13.179 | 13.107 | 13.216 | HH | 39610      | 1341926 | 11.84% | 0.386% |
| 232 | 13.241 | 13.216 | 13.262 | HH | 17129      | 436165  | 3.85%  | 0.126% |
| 233 | 13.286 | 13.262 | 13.304 | HH | 26557      | 524001  | 4.62%  | 0.151% |
| 234 | 13.322 | 13.304 | 13.345 | HH | 29048      | 563365  | 4.97%  | 0.162% |
| 235 | 13.355 | 13.345 | 13.379 | HH | 19590      | 359952  | 3.18%  | 0.104% |
| 236 | 13.447 | 13.379 | 13.474 | HH | 32635      | 1245169 | 10.98% | 0.359% |
| 237 | 13.493 | 13.474 | 13.564 | HH | 24769      | 981947  | 8.66%  | 0.283% |
| 238 | 13.598 | 13.564 | 13.606 | HH | 17516      | 422128  | 3.72%  | 0.122% |
| 239 | 13.614 | 13.606 | 13.647 | HH | 17532      | 421926  | 3.72%  | 0.122% |
| 240 | 13.677 | 13.647 | 13.724 | HH | 17833      | 762854  | 6.73%  | 0.220% |
| 241 | 13.787 | 13.724 | 13.810 | HH | 17687      | 853729  | 7.53%  | 0.246% |
| 242 | 13.841 | 13.810 | 13.862 | HH | 26751      | 693393  | 6.12%  | 0.200% |
| 243 | 13.879 | 13.862 | 13.909 | HH | 22661      | 618318  | 5.45%  | 0.178% |
| 244 | 13.930 | 13.909 | 13.967 | HH | 29601      | 821571  | 7.25%  | 0.237% |
| 245 | 14.005 | 13.967 | 14.034 | HH | 25101      | 892549  | 7.87%  | 0.257% |
| 246 | 14.040 | 14.034 | 14.068 | HH | 21457      | 408347  | 3.60%  | 0.118% |

|     |        |        |        |    | rteres.txt |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
| 247 | 14.095 | 14.068 | 14.123 | HH | 35091      | 872913  | 7.70%  | 0.251% |
| 248 | 14.149 | 14.123 | 14.189 | HH | 42525      | 1184050 | 10.45% | 0.341% |
| 249 | 14.208 | 14.189 | 14.221 | HH | 27064      | 488526  | 4.31%  | 0.141% |
| 250 | 14.238 | 14.221 | 14.294 | HH | 32856      | 1138355 | 10.04% | 0.328% |
| 251 | 14.340 | 14.294 | 14.377 | HH | 156227     | 3006726 | 26.53% | 0.866% |
| 252 | 14.393 | 14.377 | 14.409 | HH | 22422      | 416301  | 3.67%  | 0.120% |
| 253 | 14.427 | 14.409 | 14.437 | HH | 27215      | 421533  | 3.72%  | 0.121% |
| 254 | 14.463 | 14.437 | 14.482 | HH | 112572     | 1751200 | 15.45% | 0.504% |
| 255 | 14.503 | 14.482 | 14.564 | HH | 121338     | 2624109 | 23.15% | 0.756% |
| 256 | 14.584 | 14.564 | 14.601 | HH | 29355      | 595244  | 5.25%  | 0.171% |
| 257 | 14.623 | 14.601 | 14.644 | HH | 37206      | 783627  | 6.91%  | 0.226% |
| 258 | 14.657 | 14.644 | 14.694 | HH | 28906      | 795501  | 7.02%  | 0.229% |
| 259 | 14.733 | 14.694 | 14.756 | HH | 27363      | 938710  | 8.28%  | 0.270% |
| 260 | 14.786 | 14.756 | 14.797 | HH | 31958      | 706021  | 6.23%  | 0.203% |
| 261 | 14.811 | 14.797 | 14.874 | HH | 32189      | 1257908 | 11.10% | 0.362% |
| 262 | 14.923 | 14.874 | 14.993 | HH | 108486     | 3273798 | 28.88% | 0.943% |
| 263 | 15.020 | 14.993 | 15.036 | HH | 29069      | 707459  | 6.24%  | 0.204% |
| 264 | 15.071 | 15.036 | 15.090 | HH | 45405      | 1198754 | 10.58% | 0.345% |
| 265 | 15.111 | 15.090 | 15.123 | HH | 48256      | 838444  | 7.40%  | 0.241% |
| 266 | 15.139 | 15.123 | 15.166 | HH | 54564      | 1156267 | 10.20% | 0.333% |
| 267 | 15.175 | 15.166 | 15.211 | HH | 38082      | 896364  | 7.91%  | 0.258% |
| 268 | 15.230 | 15.211 | 15.242 | HH | 30635      | 572496  | 5.05%  | 0.165% |
| 269 | 15.299 | 15.242 | 15.351 | HH | 38452      | 2169816 | 19.14% | 0.625% |
| 270 | 15.376 | 15.351 | 15.410 | HH | 33180      | 1108378 | 9.78%  | 0.319% |
| 271 | 15.440 | 15.410 | 15.449 | HH | 34036      | 752909  | 6.64%  | 0.217% |
| 272 | 15.462 | 15.449 | 15.502 | HH | 34030      | 997304  | 8.80%  | 0.287% |
| 273 | 15.559 | 15.502 | 15.591 | HH | 46213      | 1874607 | 16.54% | 0.540% |
| 274 | 15.620 | 15.591 | 15.655 | HH | 36688      | 1247559 | 11.01% | 0.359% |
| 275 | 15.736 | 15.655 | 15.762 | HH | 34606      | 2020008 | 17.82% | 0.582% |
| 276 | 15.784 | 15.762 | 15.798 | HH | 35115      | 721815  | 6.37%  | 0.208% |
| 277 | 15.822 | 15.798 | 15.872 | HH | 38199      | 1607627 | 14.18% | 0.463% |
| 278 | 15.934 | 15.872 | 15.969 | HH | 87044      | 2892155 | 25.51% | 0.833% |
| 279 | 16.023 | 15.969 | 16.078 | HH | 149250     | 4704853 | 41.51% | 1.355% |
| 280 | 16.098 | 16.078 | 16.131 | HH | 53954      | 1432307 | 12.64% | 0.412% |
| 281 | 16.156 | 16.131 | 16.226 | HH | 56286      | 2432375 | 21.46% | 0.700% |
| 282 | 16.246 | 16.226 | 16.264 | HH | 39202      | 889374  | 7.85%  | 0.256% |
| 283 | 16.309 | 16.264 | 16.317 | HH | 47955      | 1358684 | 11.99% | 0.391% |
| 284 | 16.343 | 16.317 | 16.376 | HH | 107487     | 2427564 | 21.42% | 0.699% |
| 285 | 16.403 | 16.376 | 16.461 | HH | 124059     | 3397028 | 29.97% | 0.978% |
| 286 | 16.507 | 16.461 | 16.532 | HH | 75575      | 2298536 | 20.28% | 0.662% |
| 287 | 16.584 | 16.532 | 16.612 | HH | 133564     | 3489454 | 30.78% | 1.005% |
| 288 | 16.639 | 16.612 | 16.695 | HH | 61920      | 2552147 | 22.51% | 0.735% |
| 289 | 16.712 | 16.695 | 16.734 | HH | 45869      | 1031463 | 9.10%  | 0.297% |
| 290 | 16.775 | 16.734 | 16.782 | HH | 53114      | 1398187 | 12.33% | 0.403% |
| 291 | 16.816 | 16.782 | 16.839 | HH | 58863      | 1834685 | 16.19% | 0.528% |
| 292 | 16.873 | 16.839 | 16.929 | HH | 221595     | 5502011 | 48.54% | 1.584% |
| 293 | 16.958 | 16.929 | 16.986 | HH | 85127      | 2207037 | 19.47% | 0.636% |
| 294 | 17.013 | 16.986 | 17.080 | HH | 59289      | 3087319 | 27.24% | 0.889% |
| 295 | 17.106 | 17.080 | 17.144 | HH | 55432      | 1974247 | 17.42% | 0.569% |
| 296 | 17.163 | 17.144 | 17.184 | HH | 49222      | 1154007 | 10.18% | 0.332% |
| 297 | 17.197 | 17.184 | 17.212 | HH | 47828      | 798005  | 7.04%  | 0.230% |
| 298 | 17.266 | 17.212 | 17.306 | HH | 55117      | 2922683 | 25.78% | 0.842% |
| 299 | 17.323 | 17.306 | 17.337 | HH | 53085      | 982077  | 8.66%  | 0.283% |

|     |        |        |        |    | rteres.txt |          |         |        |
|-----|--------|--------|--------|----|------------|----------|---------|--------|
| 300 | 17.391 | 17.337 | 17.426 | HH | 84728      | 3414976  | 30.13%  | 0.983% |
| 301 | 17.483 | 17.426 | 17.536 | HH | 105850     | 4504611  | 39.74%  | 1.297% |
| 302 | 17.593 | 17.536 | 17.639 | HH | 69959      | 3770762  | 33.27%  | 1.086% |
| 303 | 17.689 | 17.639 | 17.704 | HH | 88658      | 2573632  | 22.70%  | 0.741% |
| 304 | 17.732 | 17.704 | 17.772 | HH | 240542     | 6749513  | 59.54%  | 1.944% |
| 305 | 17.782 | 17.772 | 17.799 | HH | 123163     | 1800055  | 15.88%  | 0.518% |
| 306 | 17.818 | 17.799 | 17.849 | HH | 143823     | 3159979  | 27.88%  | 0.910% |
| 307 | 17.872 | 17.849 | 17.893 | HH | 73992      | 1831005  | 16.15%  | 0.527% |
| 308 | 17.924 | 17.893 | 18.007 | HH | 94420      | 5017267  | 44.26%  | 1.445% |
| 309 | 18.035 | 18.007 | 18.066 | HH | 107214     | 2755145  | 24.31%  | 0.793% |
| 310 | 18.079 | 18.066 | 18.091 | HH | 66660      | 985967   | 8.70%   | 0.284% |
| 311 | 18.114 | 18.091 | 18.137 | HH | 66699      | 1823168  | 16.08%  | 0.525% |
| 312 | 18.181 | 18.137 | 18.207 | HH | 107490     | 3432515  | 30.28%  | 0.988% |
| 313 | 18.229 | 18.207 | 18.290 | HH | 97988      | 3737394  | 32.97%  | 1.076% |
| 314 | 18.324 | 18.290 | 18.372 | HH | 140297     | 4373796  | 38.59%  | 1.260% |
| 315 | 18.383 | 18.372 | 18.403 | HH | 70759      | 1286618  | 11.35%  | 0.371% |
| 316 | 18.421 | 18.403 | 18.449 | HH | 67856      | 1790837  | 15.80%  | 0.516% |
| 317 | 18.475 | 18.449 | 18.488 | HH | 70696      | 1605465  | 14.16%  | 0.462% |
| 318 | 18.505 | 18.488 | 18.525 | HH | 73359      | 1546234  | 13.64%  | 0.445% |
| 319 | 18.575 | 18.525 | 18.609 | HH | 199284     | 6867736  | 60.59%  | 1.978% |
| 320 | 18.623 | 18.609 | 18.665 | HH | 113154     | 3483608  | 30.73%  | 1.003% |
| 321 | 18.674 | 18.665 | 18.706 | HH | 92034      | 2082018  | 18.37%  | 0.600% |
| 322 | 18.730 | 18.706 | 18.785 | HH | 82802      | 3617552  | 31.91%  | 1.042% |
| 323 | 18.817 | 18.785 | 18.869 | HH | 83842      | 3739593  | 32.99%  | 1.077% |
| 324 | 18.891 | 18.869 | 18.912 | HH | 78690      | 1923810  | 16.97%  | 0.554% |
| 325 | 18.928 | 18.912 | 18.954 | HH | 73403      | 1777561  | 15.68%  | 0.512% |
| 326 | 19.004 | 18.954 | 19.021 | HH | 80231      | 2967674  | 26.18%  | 0.855% |
| 327 | 19.048 | 19.021 | 19.091 | HH | 117941     | 3803962  | 33.56%  | 1.095% |
| 328 | 19.116 | 19.091 | 19.140 | HH | 85272      | 2333258  | 20.58%  | 0.672% |
| 329 | 19.161 | 19.140 | 19.174 | HH | 78613      | 1589512  | 14.02%  | 0.458% |
| 330 | 19.200 | 19.174 | 19.239 | HH | 96849      | 3226639  | 28.47%  | 0.929% |
| 331 | 19.270 | 19.239 | 19.297 | HH | 96777      | 3004880  | 26.51%  | 0.865% |
| 332 | 19.320 | 19.297 | 19.337 | HH | 102554     | 2309223  | 20.37%  | 0.665% |
| 333 | 19.358 | 19.337 | 19.382 | HH | 110703     | 2793085  | 24.64%  | 0.804% |
| 334 | 19.408 | 19.382 | 19.449 | HH | 141139     | 4198473  | 37.04%  | 1.209% |
| 335 | 19.494 | 19.449 | 19.527 | HH | 87893      | 3868381  | 34.13%  | 1.114% |
| 336 | 19.583 | 19.527 | 19.627 | HH | 110844     | 5621816  | 49.60%  | 1.619% |
| 337 | 19.652 | 19.627 | 19.673 | HH | 98511      | 2619784  | 23.11%  | 0.754% |
| 338 | 19.700 | 19.673 | 19.739 | HH | 104027     | 3847276  | 33.94%  | 1.108% |
| 339 | 19.746 | 19.739 | 19.807 | HH | 93853      | 3748450  | 33.07%  | 1.079% |
| 340 | 19.859 | 19.807 | 19.877 | HH | 93825      | 3775791  | 33.31%  | 1.087% |
| 341 | 19.889 | 19.877 | 19.921 | HH | 91127      | 2303065  | 20.32%  | 0.663% |
| 342 | 19.973 | 19.921 | 20.030 | HH | 89684      | 5781436  | 51.00%  | 1.665% |
| 343 | 20.125 | 20.030 | 20.211 | HH | 179719     | 11335400 | 100.00% | 3.264% |
| 344 | 20.252 | 20.211 | 20.285 | HH | 95772      | 4157596  | 36.68%  | 1.197% |
| 345 | 20.332 | 20.285 | 20.352 | HH | 99789      | 3929943  | 34.67%  | 1.132% |
| 346 | 20.392 | 20.352 | 20.407 | HH | 106930     | 3374772  | 29.77%  | 0.972% |
| 347 | 20.433 | 20.407 | 20.495 | HH | 117152     | 5502974  | 48.55%  | 1.585% |
| 348 | 20.508 | 20.495 | 20.529 | HH | 97438      | 1948050  | 17.19%  | 0.561% |
| 349 | 20.585 | 20.529 | 20.611 | HH | 102821     | 4907863  | 43.30%  | 1.413% |
| 350 | 20.649 | 20.611 | 20.711 | HH | 104046     | 6059748  | 53.46%  | 1.745% |
| 351 | 20.752 | 20.711 | 20.799 | HH | 102153     | 5311331  | 46.86%  | 1.530% |

| rteres.txt              |        |        |        |     |        |         |           |        |
|-------------------------|--------|--------|--------|-----|--------|---------|-----------|--------|
| 352                     | 20.837 | 20.799 | 20.862 | HH  | 102334 | 3825731 | 33.75%    | 1.102% |
| 353                     | 20.900 | 20.862 | 20.914 | HH  | 105272 | 3189133 | 28.13%    | 0.918% |
| 354                     | 20.924 | 20.914 | 20.980 | HH  | 105967 | 3976776 | 35.08%    | 1.145% |
| 355                     | 21.003 | 20.980 | 21.021 | HH  | 96564  | 2368753 | 20.90%    | 0.682% |
| 356                     | 21.036 | 21.021 | 21.062 | HH  | 96448  | 2356622 | 20.79%    | 0.679% |
| 357                     | 21.124 | 21.062 | 21.175 | HH  | 102346 | 6642738 | 58.60%    | 1.913% |
| 358                     | 21.208 | 21.175 | 21.232 | HH  | 105633 | 3492378 | 30.81%    | 1.006% |
| 359                     | 21.254 | 21.232 | 21.301 | HHA | 103437 | 4079251 | 35.99%    | 1.175% |
| Sum of corrected areas: |        |        |        |     |        |         | 347248974 |        |

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