

rteres

## Area Percent Report

Data Path : P:\HPCHEM1\FID\_G\Data\FG060118\  
 Data File : FG001101.D  
 Signal(s) : FID1A.ch  
 Acq On : 01 Jun 2018 20:08  
 Sample : J3200-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Integration File: Sample.e

Method : P:\HPCHEM1\FID\_G\Method\FG060118.M  
 Title :

Signal : FID1A.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         | 2.171       | 2.155        | 2.183      | PH       | 126            | 953          | 0.01%          | 0.000%        |
| 2         | 2.198       | 2.183        | 2.222      | PH       | 605            | 4211         | 0.06%          | 0.001%        |
| 3         | 2.232       | 2.222        | 2.255      | PH       | 5              | -251         | -0.00%         | -0.000%       |
| 4         | 2.268       | 2.255        | 2.311      | PH       | 15             | -1491        | -0.02%         | -0.000%       |
| 5         | 2.325       | 2.311        | 2.356      | PH       | -18            | -1985        | -0.03%         | -0.001%       |
| 6         | 2.376       | 2.356        | 2.455      | PH       | 648            | 3708         | 0.05%          | 0.001%        |
| 7         | 2.468       | 2.455        | 2.480      | PH       | 121            | -85          | -0.00%         | -0.000%       |
| 8         | 2.491       | 2.480        | 2.510      | PH       | 47             | -1073        | -0.01%         | -0.000%       |
| 9         | 2.521       | 2.510        | 2.538      | PH       | 9              | -1774        | -0.02%         | -0.000%       |
| 10        | 2.556       | 2.538        | 2.597      | PH       | -102           | -5893        | -0.08%         | -0.002%       |
| 11        | 2.650       | 2.597        | 2.718      | PH       | 1117           | -5442        | -0.07%         | -0.002%       |
| 12        | 2.740       | 2.718        | 2.798      | PH       | 873            | 6940         | 0.09%          | 0.002%        |
| 13        | 2.811       | 2.798        | 2.826      | PH       | -75            | -2612        | -0.03%         | -0.001%       |
| 14        | 2.850       | 2.826        | 2.865      | PH       | -34            | -2332        | -0.03%         | -0.001%       |
| 15        | 2.872       | 2.865        | 2.891      | PH       | 25             | -99          | -0.00%         | -0.000%       |
| 16        | 2.917       | 2.891        | 2.947      | PH       | 1005           | 8505         | 0.11%          | 0.002%        |
| 17        | 2.962       | 2.947        | 2.977      | PH       | 565            | 3443         | 0.05%          | 0.001%        |
| 18        | 2.996       | 2.977        | 3.082      | PH       | 6050           | 65169        | 0.85%          | 0.018%        |
| 19        | 3.097       | 3.082        | 3.141      | HH       | 2349           | 24717        | 0.32%          | 0.007%        |
| 20        | 3.172       | 3.141        | 3.193      | HH       | 185            | 2763         | 0.04%          | 0.001%        |
| 21        | 3.215       | 3.193        | 3.284      | PH       | 291            | -1019        | -0.01%         | -0.000%       |
| 22        | 3.310       | 3.284        | 3.341      | PH       | 112            | -1707        | -0.02%         | -0.000%       |
| 23        | 3.360       | 3.341        | 3.378      | PH       | 49             | -477         | -0.01%         | -0.000%       |
| 24        | 3.394       | 3.378        | 3.442      | PH       | 29             | -2410        | -0.03%         | -0.001%       |
| 25        | 3.449       | 3.442        | 3.460      | PH       | -159           | -2017        | -0.03%         | -0.001%       |
| 26        | 3.506       | 3.460        | 3.570      | PH       | 1804           | 18273        | 0.24%          | 0.005%        |
| 27        | 3.589       | 3.570        | 3.606      | PH       | 198            | -596         | -0.01%         | -0.000%       |
| 28        | 3.621       | 3.606        | 3.668      | PH       | 219            | -2262        | -0.03%         | -0.001%       |
| 29        | 3.705       | 3.668        | 3.740      | PH       | 541            | 1720         | 0.02%          | 0.000%        |
| 30        | 3.751       | 3.740        | 3.772      | PH       | -69            | -3555        | -0.05%         | -0.001%       |
| 31        | 3.789       | 3.772        | 3.852      | PH       | 264            | -5188        | -0.07%         | -0.001%       |
| 32        | 3.882       | 3.852        | 3.912      | PH       | 11154          | 97391        | 1.27%          | 0.027%        |
| 33        | 3.923       | 3.912        | 3.948      | HH       | 688            | 9587         | 0.13%          | 0.003%        |
| 34        | 3.980       | 3.948        | 4.003      | HH       | 789            | 12999        | 0.17%          | 0.004%        |
| 35        | 4.043       | 4.003        | 4.067      | PH       | 1094           | 18493        | 0.24%          | 0.005%        |
| 36        | 4.079       | 4.067        | 4.122      | HH       | 696            | 7955         | 0.10%          | 0.002%        |

|    |       |       |       |    | rteres |        |        |         |
|----|-------|-------|-------|----|--------|--------|--------|---------|
| 37 | 4.135 | 4.122 | 4.175 | HH | 1101   | 6030   | 0.08%  | 0.002%  |
| 38 | 4.196 | 4.175 | 4.214 | PH | -50    | -3096  | -0.04% | -0.001% |
| 39 | 4.235 | 4.214 | 4.255 | PH | 157    | 411    | 0.01%  | 0.000%  |
| 40 | 4.282 | 4.255 | 4.302 | HH | 573    | 5354   | 0.07%  | 0.001%  |
| 41 | 4.322 | 4.302 | 4.342 | PH | 357    | 2006   | 0.03%  | 0.001%  |
| 42 | 4.363 | 4.342 | 4.404 | PH | 478    | 6428   | 0.08%  | 0.002%  |
| 43 | 4.427 | 4.404 | 4.453 | PH | 2526   | 22710  | 0.30%  | 0.006%  |
| 44 | 4.489 | 4.453 | 4.523 | PH | 3853   | 43481  | 0.57%  | 0.012%  |
| 45 | 4.536 | 4.523 | 4.552 | HH | 367    | 3900   | 0.05%  | 0.001%  |
| 46 | 4.561 | 4.552 | 4.577 | HH | 143    | 833    | 0.01%  | 0.000%  |
| 47 | 4.621 | 4.577 | 4.645 | PH | 774    | 12953  | 0.17%  | 0.004%  |
| 48 | 4.657 | 4.645 | 4.675 | HH | 378    | 3577   | 0.05%  | 0.001%  |
| 49 | 4.696 | 4.675 | 4.708 | PH | 352    | 4081   | 0.05%  | 0.001%  |
| 50 | 4.731 | 4.708 | 4.768 | HH | 620    | 13202  | 0.17%  | 0.004%  |
| 51 | 4.782 | 4.768 | 4.819 | HH | 741    | 8719   | 0.11%  | 0.002%  |
| 52 | 4.845 | 4.819 | 4.863 | PH | 1019   | 14876  | 0.19%  | 0.004%  |
| 53 | 4.873 | 4.863 | 4.898 | HH | 583    | 6335   | 0.08%  | 0.002%  |
| 54 | 4.920 | 4.898 | 4.948 | HH | 540    | 7152   | 0.09%  | 0.002%  |
| 55 | 4.973 | 4.948 | 5.006 | HH | 693    | 12740  | 0.17%  | 0.004%  |
| 56 | 5.022 | 5.006 | 5.037 | PH | 528    | 4389   | 0.06%  | 0.001%  |
| 57 | 5.050 | 5.037 | 5.072 | HH | 367    | 2001   | 0.03%  | 0.001%  |
| 58 | 5.106 | 5.072 | 5.117 | PH | 636    | 6760   | 0.09%  | 0.002%  |
| 59 | 5.135 | 5.117 | 5.168 | HH | 3891   | 35889  | 0.47%  | 0.010%  |
| 60 | 5.202 | 5.168 | 5.219 | PH | 202    | -1868  | -0.02% | -0.001% |
| 61 | 5.232 | 5.219 | 5.248 | PH | -148   | -3897  | -0.05% | -0.001% |
| 62 | 5.263 | 5.248 | 5.295 | PH | -118   | -7549  | -0.10% | -0.002% |
| 63 | 5.318 | 5.295 | 5.338 | PH | 999    | 5963   | 0.08%  | 0.002%  |
| 64 | 5.344 | 5.338 | 5.355 | HH | 230    | 1372   | 0.02%  | 0.000%  |
| 65 | 5.376 | 5.355 | 5.398 | PH | 2133   | 25011  | 0.33%  | 0.007%  |
| 66 | 5.416 | 5.398 | 5.449 | HH | 646    | 10968  | 0.14%  | 0.003%  |
| 67 | 5.459 | 5.449 | 5.472 | PH | 68     | 426    | 0.01%  | 0.000%  |
| 68 | 5.498 | 5.472 | 5.518 | PH | 792    | 8285   | 0.11%  | 0.002%  |
| 69 | 5.571 | 5.518 | 5.584 | HH | 1031   | 20986  | 0.27%  | 0.006%  |
| 70 | 5.610 | 5.584 | 5.634 | HH | 1071   | 19805  | 0.26%  | 0.005%  |
| 71 | 5.648 | 5.634 | 5.668 | HH | 499    | 5680   | 0.07%  | 0.002%  |
| 72 | 5.684 | 5.668 | 5.713 | HH | 362    | 3824   | 0.05%  | 0.001%  |
| 73 | 5.758 | 5.713 | 5.784 | HH | 1955   | 36376  | 0.48%  | 0.010%  |
| 74 | 5.802 | 5.784 | 5.811 | HH | 815    | 9553   | 0.12%  | 0.003%  |
| 75 | 5.821 | 5.811 | 5.832 | HH | 792    | 8478   | 0.11%  | 0.002%  |
| 76 | 5.856 | 5.832 | 5.883 | HH | 64724  | 610204 | 7.98%  | 0.169%  |
| 77 | 5.904 | 5.883 | 5.918 | HH | 3939   | 43487  | 0.57%  | 0.012%  |
| 78 | 5.927 | 5.918 | 5.981 | HH | 2481   | 36537  | 0.48%  | 0.010%  |
| 79 | 5.999 | 5.981 | 6.012 | HH | 1087   | 12360  | 0.16%  | 0.003%  |
| 80 | 6.025 | 6.012 | 6.062 | HH | 841    | 16123  | 0.21%  | 0.004%  |
| 81 | 6.073 | 6.062 | 6.085 | HH | 289    | 3358   | 0.04%  | 0.001%  |
| 82 | 6.097 | 6.085 | 6.117 | HH | 476    | 6051   | 0.08%  | 0.002%  |
| 83 | 6.144 | 6.117 | 6.176 | HH | 1367   | 21870  | 0.29%  | 0.006%  |
| 84 | 6.217 | 6.176 | 6.236 | HH | 1085   | 18784  | 0.25%  | 0.005%  |
| 85 | 6.244 | 6.236 | 6.266 | HH | 522    | 8045   | 0.11%  | 0.002%  |
| 86 | 6.290 | 6.266 | 6.364 | HH | 3299   | 62903  | 0.82%  | 0.017%  |
| 87 | 6.382 | 6.364 | 6.392 | HH | 453    | 4335   | 0.06%  | 0.001%  |
| 88 | 6.407 | 6.392 | 6.429 | HH | 606    | 8631   | 0.11%  | 0.002%  |
| 89 | 6.446 | 6.429 | 6.468 | HH | 988    | 12277  | 0.16%  | 0.003%  |

|     |       |       |       |    |        |        |        |        |
|-----|-------|-------|-------|----|--------|--------|--------|--------|
|     |       |       |       |    | rteres |        |        |        |
| 90  | 6.491 | 6.468 | 6.534 | HH | 1385   | 18234  | 0.24%  | 0.005% |
| 91  | 6.570 | 6.534 | 6.587 | PH | 589    | 6552   | 0.09%  | 0.002% |
| 92  | 6.609 | 6.587 | 6.625 | PH | 1232   | 14386  | 0.19%  | 0.004% |
| 93  | 6.630 | 6.625 | 6.668 | HH | 754    | 13576  | 0.18%  | 0.004% |
| 94  | 6.689 | 6.668 | 6.704 | HH | 937    | 13012  | 0.17%  | 0.004% |
| 95  | 6.719 | 6.704 | 6.741 | HH | 876    | 11884  | 0.16%  | 0.003% |
| 96  | 6.770 | 6.741 | 6.797 | HH | 1674   | 31473  | 0.41%  | 0.009% |
| 97  | 6.815 | 6.797 | 6.835 | HH | 1658   | 24604  | 0.32%  | 0.007% |
| 98  | 6.852 | 6.835 | 6.879 | HH | 1344   | 22207  | 0.29%  | 0.006% |
| 99  | 6.910 | 6.879 | 6.935 | HH | 26333  | 275652 | 3.60%  | 0.076% |
| 100 | 6.967 | 6.935 | 6.983 | HH | 2086   | 40676  | 0.53%  | 0.011% |
| 101 | 6.999 | 6.983 | 7.020 | HH | 2310   | 31954  | 0.42%  | 0.009% |
| 102 | 7.044 | 7.020 | 7.075 | HH | 24618  | 254089 | 3.32%  | 0.070% |
| 103 | 7.102 | 7.075 | 7.158 | HH | 1053   | 38396  | 0.50%  | 0.011% |
| 104 | 7.220 | 7.158 | 7.245 | HH | 2471   | 54841  | 0.72%  | 0.015% |
| 105 | 7.282 | 7.245 | 7.320 | HH | 1287   | 44326  | 0.58%  | 0.012% |
| 106 | 7.344 | 7.320 | 7.368 | HH | 1701   | 30004  | 0.39%  | 0.008% |
| 107 | 7.393 | 7.368 | 7.420 | HH | 2128   | 37345  | 0.49%  | 0.010% |
| 108 | 7.441 | 7.420 | 7.455 | HH | 1025   | 14931  | 0.20%  | 0.004% |
| 109 | 7.501 | 7.455 | 7.527 | HH | 2106   | 48823  | 0.64%  | 0.013% |
| 110 | 7.542 | 7.527 | 7.571 | HH | 1934   | 36729  | 0.48%  | 0.010% |
| 111 | 7.587 | 7.571 | 7.607 | HH | 1027   | 19696  | 0.26%  | 0.005% |
| 112 | 7.635 | 7.607 | 7.677 | HH | 11613  | 169985 | 2.22%  | 0.047% |
| 113 | 7.692 | 7.677 | 7.715 | HH | 2320   | 39896  | 0.52%  | 0.011% |
| 114 | 7.734 | 7.715 | 7.754 | HH | 1895   | 34689  | 0.45%  | 0.010% |
| 115 | 7.790 | 7.754 | 7.810 | HH | 7895   | 126310 | 1.65%  | 0.035% |
| 116 | 7.821 | 7.810 | 7.862 | HH | 3661   | 84479  | 1.10%  | 0.023% |
| 117 | 7.887 | 7.862 | 7.942 | HH | 9763   | 231872 | 3.03%  | 0.064% |
| 118 | 7.973 | 7.942 | 7.984 | HH | 3792   | 73003  | 0.95%  | 0.020% |
| 119 | 8.005 | 7.984 | 8.021 | HH | 21967  | 260604 | 3.41%  | 0.072% |
| 120 | 8.032 | 8.021 | 8.048 | HH | 11364  | 122929 | 1.61%  | 0.034% |
| 121 | 8.060 | 8.048 | 8.077 | HH | 5822   | 81642  | 1.07%  | 0.023% |
| 122 | 8.089 | 8.077 | 8.106 | HH | 5286   | 70458  | 0.92%  | 0.019% |
| 123 | 8.145 | 8.106 | 8.168 | HH | 51513  | 644130 | 8.42%  | 0.178% |
| 124 | 8.186 | 8.168 | 8.225 | HH | 23011  | 340472 | 4.45%  | 0.094% |
| 125 | 8.243 | 8.225 | 8.259 | HH | 4537   | 70907  | 0.93%  | 0.020% |
| 126 | 8.277 | 8.259 | 8.298 | HH | 7281   | 100763 | 1.32%  | 0.028% |
| 127 | 8.326 | 8.298 | 8.362 | HH | 3190   | 95122  | 1.24%  | 0.026% |
| 128 | 8.371 | 8.362 | 8.382 | HH | 2181   | 24426  | 0.32%  | 0.007% |
| 129 | 8.390 | 8.382 | 8.403 | HH | 2039   | 25412  | 0.33%  | 0.007% |
| 130 | 8.433 | 8.403 | 8.455 | HH | 7693   | 130925 | 1.71%  | 0.036% |
| 131 | 8.482 | 8.455 | 8.508 | HH | 83624  | 909260 | 11.89% | 0.251% |
| 132 | 8.532 | 8.508 | 8.572 | HH | 9945   | 214278 | 2.80%  | 0.059% |
| 133 | 8.601 | 8.572 | 8.614 | HH | 7489   | 132606 | 1.73%  | 0.037% |
| 134 | 8.625 | 8.614 | 8.642 | HH | 6616   | 87389  | 1.14%  | 0.024% |
| 135 | 8.651 | 8.642 | 8.663 | HH | 3796   | 45975  | 0.60%  | 0.013% |
| 136 | 8.676 | 8.663 | 8.691 | HH | 3990   | 60201  | 0.79%  | 0.017% |
| 137 | 8.724 | 8.691 | 8.736 | HH | 14410  | 217958 | 2.85%  | 0.060% |
| 138 | 8.754 | 8.736 | 8.782 | HH | 50051  | 572747 | 7.49%  | 0.158% |
| 139 | 8.797 | 8.782 | 8.812 | HH | 5240   | 78586  | 1.03%  | 0.022% |
| 140 | 8.848 | 8.812 | 8.866 | HH | 5430   | 148030 | 1.94%  | 0.041% |
| 141 | 8.911 | 8.866 | 8.922 | HH | 12066  | 279555 | 3.65%  | 0.077% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 8.933  | 8.922  | 8.976  | HH | 11722  | 207695  | 2.72%  | 0.057% |
| 143    | 8.994  | 8.976  | 9.017  | HH | 4376   | 89692   | 1.17%  | 0.025% |
| 144    | 9.048  | 9.017  | 9.065  | HH | 10998  | 181507  | 2.37%  | 0.050% |
| 145    | 9.080  | 9.065  | 9.100  | HH | 10753  | 145759  | 1.91%  | 0.040% |
|        |        |        |        |    |        |         |        |        |
| 146    | 9.130  | 9.100  | 9.146  | HH | 6190   | 129074  | 1.69%  | 0.036% |
| 147    | 9.185  | 9.146  | 9.205  | HH | 12411  | 252514  | 3.30%  | 0.070% |
| 148    | 9.222  | 9.205  | 9.235  | HH | 6201   | 95783   | 1.25%  | 0.026% |
| 149    | 9.265  | 9.235  | 9.321  | HH | 93634  | 1237552 | 16.18% | 0.342% |
| 150    | 9.345  | 9.321  | 9.361  | HH | 13014  | 203016  | 2.65%  | 0.056% |
|        |        |        |        |    |        |         |        |        |
| 151    | 9.385  | 9.361  | 9.397  | HH | 12059  | 208858  | 2.73%  | 0.058% |
| 152    | 9.416  | 9.397  | 9.436  | HH | 24156  | 356579  | 4.66%  | 0.099% |
| 153    | 9.447  | 9.436  | 9.457  | HH | 9724   | 109910  | 1.44%  | 0.030% |
| 154    | 9.475  | 9.457  | 9.501  | HH | 17914  | 289821  | 3.79%  | 0.080% |
| 155    | 9.525  | 9.501  | 9.557  | HH | 8429   | 217385  | 2.84%  | 0.060% |
|        |        |        |        |    |        |         |        |        |
| 156    | 9.588  | 9.557  | 9.612  | HH | 23723  | 378429  | 4.95%  | 0.105% |
| 157    | 9.640  | 9.612  | 9.659  | HH | 8393   | 212739  | 2.78%  | 0.059% |
| 158    | 9.687  | 9.659  | 9.730  | HH | 41845  | 687679  | 8.99%  | 0.190% |
| 159    | 9.749  | 9.730  | 9.770  | HH | 9900   | 181237  | 2.37%  | 0.050% |
| 160    | 9.786  | 9.770  | 9.818  | HH | 7799   | 188459  | 2.46%  | 0.052% |
|        |        |        |        |    |        |         |        |        |
| 161    | 9.856  | 9.818  | 9.922  | HH | 8711   | 389659  | 5.09%  | 0.108% |
| 162    | 9.953  | 9.922  | 9.978  | HH | 8408   | 215019  | 2.81%  | 0.059% |
| 163    | 10.011 | 9.978  | 10.026 | HH | 9020   | 198624  | 2.60%  | 0.055% |
| 164    | 10.039 | 10.026 | 10.050 | HH | 8184   | 108054  | 1.41%  | 0.030% |
| 165    | 10.080 | 10.050 | 10.098 | HH | 9968   | 255745  | 3.34%  | 0.071% |
|        |        |        |        |    |        |         |        |        |
| 166    | 10.146 | 10.098 | 10.169 | HH | 28326  | 652484  | 8.53%  | 0.180% |
| 167    | 10.185 | 10.169 | 10.211 | HH | 18053  | 319043  | 4.17%  | 0.088% |
| 168    | 10.222 | 10.211 | 10.233 | HH | 8525   | 108557  | 1.42%  | 0.030% |
| 169    | 10.265 | 10.233 | 10.296 | HH | 21580  | 521506  | 6.82%  | 0.144% |
| 170    | 10.314 | 10.296 | 10.376 | HH | 22316  | 631722  | 8.26%  | 0.175% |
|        |        |        |        |    |        |         |        |        |
| 171    | 10.400 | 10.376 | 10.409 | HH | 11543  | 199267  | 2.61%  | 0.055% |
| 172    | 10.433 | 10.409 | 10.446 | HH | 26712  | 431904  | 5.65%  | 0.119% |
| 173    | 10.467 | 10.446 | 10.518 | HH | 38620  | 915017  | 11.96% | 0.253% |
| 174    | 10.565 | 10.518 | 10.587 | HH | 22117  | 607307  | 7.94%  | 0.168% |
| 175    | 10.599 | 10.587 | 10.613 | HH | 11435  | 172688  | 2.26%  | 0.048% |
|        |        |        |        |    |        |         |        |        |
| 176    | 10.670 | 10.613 | 10.713 | HH | 592703 | 7000804 | 91.53% | 1.935% |
| 177    | 10.740 | 10.713 | 10.787 | HH | 173030 | 2335162 | 30.53% | 0.646% |
| 178    | 10.814 | 10.787 | 10.828 | HH | 12273  | 286095  | 3.74%  | 0.079% |
| 179    | 10.845 | 10.828 | 10.867 | HH | 12914  | 261396  | 3.42%  | 0.072% |
| 180    | 10.909 | 10.867 | 10.930 | HH | 21804  | 530526  | 6.94%  | 0.147% |
|        |        |        |        |    |        |         |        |        |
| 181    | 10.956 | 10.930 | 10.997 | HH | 52923  | 911462  | 11.92% | 0.252% |
| 182    | 11.024 | 10.997 | 11.041 | HH | 13003  | 304651  | 3.98%  | 0.084% |
| 183    | 11.063 | 11.041 | 11.082 | HH | 15262  | 337417  | 4.41%  | 0.093% |
| 184    | 11.095 | 11.082 | 11.112 | HH | 14301  | 241077  | 3.15%  | 0.067% |
| 185    | 11.131 | 11.112 | 11.145 | HH | 19270  | 334576  | 4.37%  | 0.092% |
|        |        |        |        |    |        |         |        |        |
| 186    | 11.159 | 11.145 | 11.171 | HH | 17999  | 264422  | 3.46%  | 0.073% |
| 187    | 11.205 | 11.171 | 11.245 | HH | 24824  | 792998  | 10.37% | 0.219% |
| 188    | 11.266 | 11.245 | 11.292 | HH | 18209  | 424983  | 5.56%  | 0.117% |
| 189    | 11.318 | 11.292 | 11.340 | HH | 20938  | 449805  | 5.88%  | 0.124% |
| 190    | 11.358 | 11.340 | 11.375 | HH | 14771  | 291874  | 3.82%  | 0.081% |
|        |        |        |        |    |        |         |        |        |
| 191    | 11.391 | 11.375 | 11.402 | HH | 14018  | 217678  | 2.85%  | 0.060% |
| 192    | 11.419 | 11.402 | 11.440 | HH | 15971  | 330227  | 4.32%  | 0.091% |
| 193    | 11.468 | 11.440 | 11.482 | HH | 81254  | 1087770 | 14.22% | 0.301% |
| 194    | 11.498 | 11.482 | 11.526 | HH | 98905  | 1286545 | 16.82% | 0.356% |

|     |        |        |        |    |        |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
|     |        |        |        |    | rteres |         |         |        |
| 195 | 11.581 | 11.526 | 11.599 | HH | 102062 | 2026036 | 26.49%  | 0.560% |
| 196 | 11.615 | 11.599 | 11.629 | HH | 55005  | 743577  | 9.72%   | 0.206% |
| 197 | 11.645 | 11.629 | 11.677 | HH | 75936  | 1122351 | 14.67%  | 0.310% |
| 198 | 11.695 | 11.677 | 11.709 | HH | 16039  | 281466  | 3.68%   | 0.078% |
| 199 | 11.731 | 11.709 | 11.754 | HH | 20737  | 443507  | 5.80%   | 0.123% |
| 200 | 11.800 | 11.754 | 11.810 | HH | 24680  | 622059  | 8.13%   | 0.172% |
| 201 | 11.825 | 11.810 | 11.844 | HH | 29898  | 487028  | 6.37%   | 0.135% |
| 202 | 11.856 | 11.844 | 11.881 | HH | 21005  | 402785  | 5.27%   | 0.111% |
| 203 | 11.903 | 11.881 | 11.916 | HH | 17171  | 340864  | 4.46%   | 0.094% |
| 204 | 11.941 | 11.916 | 11.982 | HH | 62438  | 1133039 | 14.81%  | 0.313% |
| 205 | 11.994 | 11.982 | 12.020 | HH | 18643  | 382706  | 5.00%   | 0.106% |
| 206 | 12.054 | 12.020 | 12.157 | HH | 84574  | 2269711 | 29.67%  | 0.627% |
| 207 | 12.189 | 12.157 | 12.202 | HH | 25113  | 537217  | 7.02%   | 0.149% |
| 208 | 12.210 | 12.202 | 12.237 | HH | 23325  | 409291  | 5.35%   | 0.113% |
| 209 | 12.259 | 12.237 | 12.296 | HH | 31703  | 808037  | 10.56%  | 0.223% |
| 210 | 12.335 | 12.296 | 12.348 | HH | 25887  | 667794  | 8.73%   | 0.185% |
| 211 | 12.369 | 12.348 | 12.389 | HH | 56667  | 905761  | 11.84%  | 0.250% |
| 212 | 12.405 | 12.389 | 12.420 | HH | 33224  | 566767  | 7.41%   | 0.157% |
| 213 | 12.435 | 12.420 | 12.454 | HH | 34090  | 589609  | 7.71%   | 0.163% |
| 214 | 12.489 | 12.454 | 12.525 | HH | 583661 | 7648855 | 100.00% | 2.115% |
| 215 | 12.545 | 12.525 | 12.566 | HH | 27009  | 502489  | 6.57%   | 0.139% |
| 216 | 12.583 | 12.566 | 12.594 | HH | 18559  | 289578  | 3.79%   | 0.080% |
| 217 | 12.616 | 12.594 | 12.630 | HH | 24990  | 461940  | 6.04%   | 0.128% |
| 218 | 12.667 | 12.630 | 12.685 | HH | 39298  | 982051  | 12.84%  | 0.271% |
| 219 | 12.703 | 12.685 | 12.741 | HH | 29802  | 845844  | 11.06%  | 0.234% |
| 220 | 12.786 | 12.741 | 12.812 | HH | 540961 | 6945813 | 90.81%  | 1.920% |
| 221 | 12.838 | 12.812 | 12.854 | HH | 95484  | 1374213 | 17.97%  | 0.380% |
| 222 | 12.870 | 12.854 | 12.904 | HH | 88162  | 1442748 | 18.86%  | 0.399% |
| 223 | 12.925 | 12.904 | 12.934 | HH | 21510  | 355388  | 4.65%   | 0.098% |
| 224 | 12.955 | 12.934 | 12.967 | HH | 40951  | 612974  | 8.01%   | 0.169% |
| 225 | 12.981 | 12.967 | 13.012 | HH | 40512  | 756890  | 9.90%   | 0.209% |
| 226 | 13.049 | 13.012 | 13.063 | HH | 54721  | 981446  | 12.83%  | 0.271% |
| 227 | 13.072 | 13.063 | 13.097 | HH | 45789  | 797632  | 10.43%  | 0.221% |
| 228 | 13.128 | 13.097 | 13.161 | HH | 143023 | 2685193 | 35.11%  | 0.742% |
| 229 | 13.177 | 13.161 | 13.214 | HH | 51755  | 1165031 | 15.23%  | 0.322% |
| 230 | 13.241 | 13.214 | 13.266 | HH | 58196  | 1235249 | 16.15%  | 0.341% |
| 231 | 13.287 | 13.266 | 13.316 | HH | 57971  | 1108432 | 14.49%  | 0.306% |
| 232 | 13.371 | 13.316 | 13.412 | HH | 136906 | 3044261 | 39.80%  | 0.842% |
| 233 | 13.440 | 13.412 | 13.452 | HH | 28573  | 592403  | 7.74%   | 0.164% |
| 234 | 13.478 | 13.452 | 13.499 | HH | 107425 | 1707009 | 22.32%  | 0.472% |
| 235 | 13.516 | 13.499 | 13.538 | HH | 71006  | 1083773 | 14.17%  | 0.300% |
| 236 | 13.559 | 13.538 | 13.582 | HH | 36698  | 817112  | 10.68%  | 0.226% |
| 237 | 13.645 | 13.582 | 13.667 | HH | 67300  | 2078814 | 27.18%  | 0.575% |
| 238 | 13.686 | 13.667 | 13.728 | HH | 58989  | 1301161 | 17.01%  | 0.360% |
| 239 | 13.760 | 13.728 | 13.780 | HH | 29059  | 781351  | 10.22%  | 0.216% |
| 240 | 13.797 | 13.780 | 13.821 | HH | 26116  | 589645  | 7.71%   | 0.163% |
| 241 | 13.833 | 13.821 | 13.842 | HH | 23394  | 291640  | 3.81%   | 0.081% |
| 242 | 13.878 | 13.842 | 13.932 | HH | 26577  | 1332165 | 17.42%  | 0.368% |
| 243 | 13.949 | 13.932 | 13.995 | HH | 27224  | 896932  | 11.73%  | 0.248% |
| 244 | 14.068 | 13.995 | 14.089 | HH | 42982  | 1720896 | 22.50%  | 0.476% |
| 245 | 14.105 | 14.089 | 14.143 | HH | 46652  | 1106119 | 14.46%  | 0.306% |
| 246 | 14.205 | 14.143 | 14.240 | HH | 43976  | 1883195 | 24.62%  | 0.521% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 14.283 | 14.240 | 14.322 | HH | 57819  | 1908503 | 24.95% | 0.528% |
| 248    | 14.346 | 14.322 | 14.368 | HH | 105164 | 1690412 | 22.10% | 0.467% |
| 249    | 14.408 | 14.368 | 14.443 | HH | 50221  | 1662596 | 21.74% | 0.460% |
| 250    | 14.500 | 14.443 | 14.511 | HH | 36990  | 1288544 | 16.85% | 0.356% |
|        |        |        |        |    |        |         |        |        |
| 251    | 14.541 | 14.511 | 14.578 | HH | 132411 | 2679424 | 35.03% | 0.741% |
| 252    | 14.612 | 14.578 | 14.630 | HH | 40411  | 986781  | 12.90% | 0.273% |
| 253    | 14.663 | 14.630 | 14.683 | HH | 290139 | 4227140 | 55.27% | 1.169% |
| 254    | 14.704 | 14.683 | 14.732 | HH | 286035 | 3878802 | 50.71% | 1.072% |
| 255    | 14.749 | 14.732 | 14.783 | HH | 33805  | 919142  | 12.02% | 0.254% |
|        |        |        |        |    |        |         |        |        |
| 256    | 14.822 | 14.783 | 14.874 | HH | 90697  | 2419814 | 31.64% | 0.669% |
| 257    | 14.900 | 14.874 | 14.930 | HH | 51650  | 1271584 | 16.62% | 0.352% |
| 258    | 14.963 | 14.930 | 14.982 | HH | 55375  | 1295608 | 16.94% | 0.358% |
| 259    | 14.997 | 14.982 | 15.009 | HH | 47050  | 696165  | 9.10%  | 0.192% |
| 260    | 15.019 | 15.009 | 15.060 | HH | 45618  | 1189094 | 15.55% | 0.329% |
|        |        |        |        |    |        |         |        |        |
| 261    | 15.123 | 15.060 | 15.184 | HH | 56837  | 2870306 | 37.53% | 0.794% |
| 262    | 15.203 | 15.184 | 15.216 | HH | 31299  | 567153  | 7.41%  | 0.157% |
| 263    | 15.283 | 15.216 | 15.310 | HH | 93885  | 2727732 | 35.66% | 0.754% |
| 264    | 15.334 | 15.310 | 15.354 | HH | 90184  | 1553734 | 20.31% | 0.430% |
| 265    | 15.371 | 15.354 | 15.393 | HH | 55924  | 1058404 | 13.84% | 0.293% |
|        |        |        |        |    |        |         |        |        |
| 266    | 15.415 | 15.393 | 15.433 | HH | 48780  | 977035  | 12.77% | 0.270% |
| 267    | 15.495 | 15.433 | 15.533 | HH | 72855  | 2865070 | 37.46% | 0.792% |
| 268    | 15.571 | 15.533 | 15.630 | HH | 44195  | 2032797 | 26.58% | 0.562% |
| 269    | 15.656 | 15.630 | 15.675 | HH | 41768  | 947072  | 12.38% | 0.262% |
| 270    | 15.691 | 15.675 | 15.712 | HH | 37783  | 754964  | 9.87%  | 0.209% |
|        |        |        |        |    |        |         |        |        |
| 271    | 15.732 | 15.712 | 15.744 | HH | 35789  | 636284  | 8.32%  | 0.176% |
| 272    | 15.761 | 15.744 | 15.788 | HH | 38840  | 942805  | 12.33% | 0.261% |
| 273    | 15.830 | 15.788 | 15.849 | HH | 34694  | 1184435 | 15.49% | 0.327% |
| 274    | 15.863 | 15.849 | 15.880 | HH | 34240  | 606395  | 7.93%  | 0.168% |
| 275    | 15.890 | 15.880 | 15.906 | HH | 32916  | 514721  | 6.73%  | 0.142% |
|        |        |        |        |    |        |         |        |        |
| 276    | 15.940 | 15.906 | 15.957 | HH | 41326  | 1139573 | 14.90% | 0.315% |
| 277    | 15.969 | 15.957 | 15.985 | HH | 40813  | 657462  | 8.60%  | 0.182% |
| 278    | 16.004 | 15.985 | 16.023 | HH | 43166  | 890136  | 11.64% | 0.246% |
| 279    | 16.045 | 16.023 | 16.071 | HH | 40236  | 1078202 | 14.10% | 0.298% |
| 280    | 16.136 | 16.071 | 16.174 | HH | 48129  | 2512461 | 32.85% | 0.695% |
|        |        |        |        |    |        |         |        |        |
| 281    | 16.224 | 16.174 | 16.292 | HH | 262593 | 6964758 | 91.06% | 1.925% |
| 282    | 16.349 | 16.292 | 16.371 | HH | 90170  | 2577820 | 33.70% | 0.713% |
| 283    | 16.386 | 16.371 | 16.398 | HH | 48033  | 740184  | 9.68%  | 0.205% |
| 284    | 16.413 | 16.398 | 16.446 | HH | 52002  | 1315562 | 17.20% | 0.364% |
| 285    | 16.469 | 16.446 | 16.488 | HH | 45359  | 1046961 | 13.69% | 0.289% |
|        |        |        |        |    |        |         |        |        |
| 286    | 16.541 | 16.488 | 16.570 | HH | 186308 | 4165231 | 54.46% | 1.151% |
| 287    | 16.602 | 16.570 | 16.648 | HH | 238675 | 4423471 | 57.83% | 1.223% |
| 288    | 16.700 | 16.648 | 16.735 | HH | 87731  | 2781826 | 36.37% | 0.769% |
| 289    | 16.757 | 16.735 | 16.787 | HH | 52058  | 1464940 | 19.15% | 0.405% |
| 290    | 16.843 | 16.787 | 16.885 | HH | 54505  | 2710541 | 35.44% | 0.749% |
|        |        |        |        |    |        |         |        |        |
| 291    | 16.904 | 16.885 | 16.922 | HH | 46176  | 970610  | 12.69% | 0.268% |
| 292    | 16.967 | 16.922 | 16.997 | HH | 72249  | 2572181 | 33.63% | 0.711% |
| 293    | 17.007 | 16.997 | 17.038 | HH | 55558  | 1171949 | 15.32% | 0.324% |
| 294    | 17.100 | 17.038 | 17.111 | HH | 56618  | 2125034 | 27.78% | 0.587% |
| 295    | 17.123 | 17.111 | 17.152 | HH | 57564  | 1255036 | 16.41% | 0.347% |
|        |        |        |        |    |        |         |        |        |
| 296    | 17.180 | 17.152 | 17.230 | HH | 58354  | 2379144 | 31.10% | 0.658% |
| 297    | 17.256 | 17.230 | 17.283 | HH | 63038  | 1654115 | 21.63% | 0.457% |
| 298    | 17.295 | 17.283 | 17.338 | HH | 48673  | 1516026 | 19.82% | 0.419% |
| 299    | 17.369 | 17.338 | 17.396 | HH | 49164  | 1567489 | 20.49% | 0.433% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 300 | 17.407 | 17.396 | 17.421 | HH | 43679  | 655874  | 8.57%  | 0.181% |
| 301 | 17.443 | 17.421 | 17.462 | HH | 45914  | 1084820 | 14.18% | 0.300% |
| 302 | 17.476 | 17.462 | 17.490 | HH | 43132  | 719760  | 9.41%  | 0.199% |
| 303 | 17.557 | 17.490 | 17.577 | HH | 50567  | 2428119 | 31.74% | 0.671% |
| 304 | 17.599 | 17.577 | 17.625 | HH | 53564  | 1443108 | 18.87% | 0.399% |
| 305 | 17.695 | 17.625 | 17.715 | HH | 54610  | 2681194 | 35.05% | 0.741% |
| 306 | 17.744 | 17.715 | 17.812 | HH | 60783  | 3245722 | 42.43% | 0.897% |
| 307 | 17.819 | 17.812 | 17.848 | HH | 50500  | 1087576 | 14.22% | 0.301% |
| 308 | 17.880 | 17.848 | 17.926 | HH | 81223  | 2870116 | 37.52% | 0.793% |
| 309 | 17.971 | 17.926 | 17.997 | HH | 169024 | 4025697 | 52.63% | 1.113% |
| 310 | 18.015 | 17.997 | 18.042 | HH | 73232  | 1792500 | 23.43% | 0.496% |
| 311 | 18.053 | 18.042 | 18.075 | HH | 62095  | 1135175 | 14.84% | 0.314% |
| 312 | 18.104 | 18.075 | 18.121 | HH | 84121  | 1867507 | 24.42% | 0.516% |
| 313 | 18.138 | 18.121 | 18.195 | HH | 80169  | 2756618 | 36.04% | 0.762% |
| 314 | 18.226 | 18.195 | 18.253 | HH | 149106 | 2965785 | 38.77% | 0.820% |
| 315 | 18.263 | 18.253 | 18.267 | HH | 52271  | 439457  | 5.75%  | 0.121% |
| 316 | 18.308 | 18.267 | 18.326 | HH | 62277  | 1994472 | 26.08% | 0.551% |
| 317 | 18.355 | 18.326 | 18.385 | HH | 93667  | 2442819 | 31.94% | 0.675% |
| 318 | 18.412 | 18.385 | 18.503 | HH | 61000  | 3794877 | 49.61% | 1.049% |
| 319 | 18.535 | 18.503 | 18.555 | HH | 56283  | 1605456 | 20.99% | 0.444% |
| 320 | 18.579 | 18.555 | 18.588 | HH | 54389  | 1039807 | 13.59% | 0.287% |
| 321 | 18.595 | 18.588 | 18.603 | HH | 54009  | 497617  | 6.51%  | 0.138% |
| 322 | 18.660 | 18.603 | 18.683 | HH | 63856  | 2712864 | 35.47% | 0.750% |
| 323 | 18.702 | 18.683 | 18.719 | HH | 57359  | 1197487 | 15.66% | 0.331% |
| 324 | 18.738 | 18.719 | 18.756 | HH | 61114  | 1277192 | 16.70% | 0.353% |
| 325 | 18.786 | 18.756 | 18.821 | HH | 80246  | 2584136 | 33.78% | 0.714% |
| 326 | 18.834 | 18.821 | 18.855 | HH | 61773  | 1205278 | 15.76% | 0.333% |
| 327 | 18.871 | 18.855 | 18.883 | HH | 56568  | 925308  | 12.10% | 0.256% |
| 328 | 18.910 | 18.883 | 18.999 | HH | 62045  | 3891075 | 50.87% | 1.076% |
| 329 | 19.025 | 18.999 | 19.047 | HH | 54947  | 1541329 | 20.15% | 0.426% |
| 330 | 19.083 | 19.047 | 19.107 | HH | 54358  | 1942703 | 25.40% | 0.537% |
| 331 | 19.120 | 19.107 | 19.141 | HH | 55074  | 1113962 | 14.56% | 0.308% |
| 332 | 19.195 | 19.141 | 19.223 | HH | 63733  | 2798182 | 36.58% | 0.774% |
| 333 | 19.240 | 19.223 | 19.273 | HH | 59960  | 1773294 | 23.18% | 0.490% |
| 334 | 19.323 | 19.273 | 19.335 | HH | 64787  | 2210820 | 28.90% | 0.611% |
| 335 | 19.351 | 19.335 | 19.361 | HH | 66425  | 1004198 | 13.13% | 0.278% |
| 336 | 19.388 | 19.361 | 19.414 | HH | 97518  | 2493344 | 32.60% | 0.689% |
| 337 | 19.455 | 19.414 | 19.485 | HH | 98463  | 3186962 | 41.67% | 0.881% |
| 338 | 19.509 | 19.485 | 19.529 | HH | 72075  | 1822814 | 23.83% | 0.504% |
| 339 | 19.542 | 19.529 | 19.568 | HH | 68500  | 1549816 | 20.26% | 0.428% |
| 340 | 19.575 | 19.568 | 19.614 | HH | 65411  | 1756538 | 22.96% | 0.486% |
| 341 | 19.670 | 19.614 | 19.706 | HH | 70992  | 3529801 | 46.15% | 0.976% |
| 342 | 19.768 | 19.706 | 19.798 | HH | 110384 | 4341459 | 56.76% | 1.200% |
| 343 | 19.836 | 19.798 | 19.853 | HH | 81919  | 2379621 | 31.11% | 0.658% |
| 344 | 19.860 | 19.853 | 19.881 | HH | 74748  | 1203503 | 15.73% | 0.333% |
| 345 | 19.908 | 19.881 | 19.938 | HH | 79421  | 2474885 | 32.36% | 0.684% |
| 346 | 19.969 | 19.938 | 20.002 | HH | 70394  | 2615937 | 34.20% | 0.723% |
| 347 | 20.043 | 20.002 | 20.103 | HH | 74536  | 4275957 | 55.90% | 1.182% |
| 348 | 20.120 | 20.103 | 20.170 | HH | 70137  | 2758881 | 36.07% | 0.763% |
| 349 | 20.192 | 20.170 | 20.224 | HH | 68681  | 2156430 | 28.19% | 0.596% |
| 350 | 20.251 | 20.224 | 20.285 | HH | 70377  | 2513113 | 32.86% | 0.695% |
| 351 | 20.333 | 20.285 | 20.358 | HH | 72138  | 3093957 | 40.45% | 0.855% |

|     |        |        |        |     |                         |           |        |        |
|-----|--------|--------|--------|-----|-------------------------|-----------|--------|--------|
|     |        |        |        |     | rteres                  |           |        |        |
| 352 | 20.405 | 20.358 | 20.468 | HH  | 74819                   | 4807979   | 62.86% | 1.329% |
| 353 | 20.490 | 20.468 | 20.525 | HH  | 77531                   | 2472758   | 32.33% | 0.684% |
| 354 | 20.554 | 20.525 | 20.577 | HH  | 70348                   | 2164833   | 28.30% | 0.598% |
| 355 | 20.592 | 20.577 | 20.612 | HH  | 70917                   | 1465875   | 19.16% | 0.405% |
| 356 | 20.642 | 20.612 | 20.682 | HH  | 83362                   | 3178672   | 41.56% | 0.879% |
| 357 | 20.690 | 20.682 | 20.717 | HH  | 70984                   | 1473902   | 19.27% | 0.407% |
| 358 | 20.754 | 20.717 | 20.822 | HH  | 71993                   | 4301256   | 56.23% | 1.189% |
| 359 | 20.856 | 20.822 | 20.873 | HH  | 69727                   | 2084173   | 27.25% | 0.576% |
| 360 | 20.882 | 20.873 | 20.922 | HH  | 69379                   | 2014940   | 26.34% | 0.557% |
| 361 | 20.953 | 20.922 | 20.978 | HH  | 72317                   | 2373191   | 31.03% | 0.656% |
| 362 | 21.030 | 20.978 | 21.062 | HH  | 72619                   | 3471496   | 45.39% | 0.960% |
| 363 | 21.111 | 21.062 | 21.170 | HH  | 80954                   | 4778734   | 62.48% | 1.321% |
| 364 | 21.180 | 21.170 | 21.251 | HH  | 68237                   | 3236970   | 42.32% | 0.895% |
| 365 | 21.269 | 21.251 | 21.295 | HH  | 66033                   | 1715308   | 22.43% | 0.474% |
| 366 | 21.314 | 21.295 | 21.357 | HH  | 67275                   | 2357607   | 30.82% | 0.652% |
| 367 | 21.397 | 21.357 | 21.438 | HH  | 75305                   | 3260641   | 42.63% | 0.901% |
| 368 | 21.474 | 21.438 | 21.501 | HH  | 74139                   | 2564852   | 33.53% | 0.709% |
| 369 | 21.524 | 21.501 | 21.543 | HH  | 68981                   | 1713521   | 22.40% | 0.474% |
| 370 | 21.568 | 21.543 | 21.589 | HH  | 70876                   | 1890332   | 24.71% | 0.523% |
| 371 | 21.604 | 21.589 | 21.652 | HHA | 69302                   | 2480248   | 32.43% | 0.686% |
|     |        |        |        |     | Sum of corrected areas: | 361724709 |        |        |

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