

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG092418\  
 Data File : FG002369.D  
 Signal(s) : FID1A.ch  
 Acq On : 24 Sep 2018 14:32  
 Sample : J5042-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG083018.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         | 2.114       | 2.085        | 2.165      | BH       | 757            | 5336         | 0.03%          | 0.001%        |
| 2         | 2.178       | 2.165        | 2.231      | PH       | -4             | -4559        | -0.02%         | -0.001%       |
| 3         | 2.257       | 2.231        | 2.275      | PH       | -51            | -3442        | -0.02%         | -0.000%       |
| 4         | 2.293       | 2.275        | 2.309      | PH       | -20            | -2023        | -0.01%         | -0.000%       |
| 5         | 2.331       | 2.309        | 2.351      | PH       | 50             | -1816        | -0.01%         | -0.000%       |
| 6         | 2.377       | 2.351        | 2.411      | PH       | 488            | -68          | -0.00%         | -0.000%       |
| 7         | 2.427       | 2.411        | 2.456      | PH       | 116            | -3711        | -0.02%         | -0.000%       |
| 8         | 2.477       | 2.456        | 2.536      | PH       | -0             | -7177        | -0.04%         | -0.001%       |
| 9         | 2.567       | 2.536        | 2.630      | PH       | 835            | 6156         | 0.03%          | 0.001%        |
| 10        | 2.658       | 2.630        | 2.704      | PH       | 2268           | 42405        | 0.22%          | 0.005%        |
| 11        | 2.716       | 2.704        | 2.735      | HH       | 370            | 4734         | 0.02%          | 0.001%        |
| 12        | 2.757       | 2.735        | 2.787      | HH       | 259            | 4790         | 0.02%          | 0.001%        |
| 13        | 2.803       | 2.787        | 2.807      | PH       | 41             | -85          | -0.00%         | -0.000%       |
| 14        | 2.871       | 2.807        | 2.913      | HH       | 1531           | 38986        | 0.20%          | 0.005%        |
| 15        | 2.934       | 2.913        | 2.955      | HH       | 550            | 10597        | 0.05%          | 0.001%        |
| 16        | 2.971       | 2.955        | 3.031      | HH       | 690            | 10656        | 0.05%          | 0.001%        |
| 17        | 3.051       | 3.031        | 3.066      | PH       | 252            | 1663         | 0.01%          | 0.000%        |
| 18        | 3.120       | 3.066        | 3.171      | PH       | 1660           | 28545        | 0.14%          | 0.003%        |
| 19        | 3.177       | 3.171        | 3.195      | PH       | 12             | -773         | -0.00%         | -0.000%       |
| 20        | 3.216       | 3.195        | 3.247      | PH       | 326            | 5396         | 0.03%          | 0.001%        |
| 21        | 3.259       | 3.247        | 3.277      | PH       | 211            | 1422         | 0.01%          | 0.000%        |
| 22        | 3.315       | 3.277        | 3.332      | PH       | 297            | 5057         | 0.03%          | 0.001%        |
| 23        | 3.345       | 3.332        | 3.361      | PH       | 171            | 1323         | 0.01%          | 0.000%        |
| 24        | 3.376       | 3.361        | 3.393      | HH       | 724            | 8100         | 0.04%          | 0.001%        |
| 25        | 3.408       | 3.393        | 3.428      | HH       | 612            | 7543         | 0.04%          | 0.001%        |
| 26        | 3.440       | 3.428        | 3.470      | HH       | 285            | 2972         | 0.02%          | 0.000%        |
| 27        | 3.488       | 3.470        | 3.515      | PH       | 864            | 11014        | 0.06%          | 0.001%        |
| 28        | 3.556       | 3.515        | 3.581      | HH       | 1316           | 24432        | 0.12%          | 0.003%        |
| 29        | 3.610       | 3.581        | 3.625      | HH       | 1005           | 18450        | 0.09%          | 0.002%        |
| 30        | 3.643       | 3.625        | 3.667      | HH       | 1173           | 17602        | 0.09%          | 0.002%        |
| 31        | 3.695       | 3.667        | 3.741      | HH       | 1961           | 39100        | 0.20%          | 0.005%        |
| 32        | 3.789       | 3.741        | 3.809      | HH       | 12798          | 139727       | 0.71%          | 0.016%        |
| 33        | 3.818       | 3.809        | 3.845      | HH       | 2025           | 27651        | 0.14%          | 0.003%        |
| 34        | 3.872       | 3.845        | 3.889      | HH       | 2030           | 37761        | 0.19%          | 0.004%        |
| 35        | 3.944       | 3.889        | 3.969      | HH       | 4719           | 121276       | 0.62%          | 0.014%        |
| 36        | 3.977       | 3.969        | 4.043      | HH       | 2319           | 76419        | 0.39%          | 0.009%        |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 37         | 4.066 | 4.043 | 4.075 | HH | 1355  | 23591  | 0.12% | 0.003% |
| 38         | 4.086 | 4.075 | 4.111 | HH | 1476  | 26081  | 0.13% | 0.003% |
| 39         | 4.128 | 4.111 | 4.158 | HH | 1248  | 29930  | 0.15% | 0.003% |
| 40         | 4.181 | 4.158 | 4.202 | HH | 3464  | 47500  | 0.24% | 0.005% |
|            |       |       |       |    |       |        |       |        |
| 41         | 4.218 | 4.202 | 4.235 | HH | 1522  | 22392  | 0.11% | 0.003% |
| 42         | 4.250 | 4.235 | 4.266 | HH | 1189  | 18097  | 0.09% | 0.002% |
| 43         | 4.282 | 4.266 | 4.304 | HH | 1348  | 21268  | 0.11% | 0.002% |
| 44         | 4.331 | 4.304 | 4.355 | HH | 2661  | 50877  | 0.26% | 0.006% |
| 45         | 4.396 | 4.355 | 4.417 | HH | 3447  | 77096  | 0.39% | 0.009% |
|            |       |       |       |    |       |        |       |        |
| 46         | 4.431 | 4.417 | 4.518 | HH | 2944  | 78758  | 0.40% | 0.009% |
| 47         | 4.533 | 4.518 | 4.540 | HH | 993   | 11008  | 0.06% | 0.001% |
| 48         | 4.556 | 4.540 | 4.581 | HH | 1521  | 29014  | 0.15% | 0.003% |
| 49         | 4.595 | 4.581 | 4.612 | HH | 1262  | 19776  | 0.10% | 0.002% |
| 50         | 4.634 | 4.612 | 4.688 | HH | 2568  | 61883  | 0.31% | 0.007% |
|            |       |       |       |    |       |        |       |        |
| 51         | 4.702 | 4.688 | 4.742 | HH | 1042  | 25051  | 0.13% | 0.003% |
| 52         | 4.786 | 4.742 | 4.801 | HH | 1194  | 30712  | 0.16% | 0.004% |
| 53         | 4.818 | 4.801 | 4.839 | HH | 1491  | 25797  | 0.13% | 0.003% |
| 54         | 4.859 | 4.839 | 4.874 | HH | 2153  | 33569  | 0.17% | 0.004% |
| 55         | 4.892 | 4.874 | 4.909 | HH | 2012  | 37005  | 0.19% | 0.004% |
|            |       |       |       |    |       |        |       |        |
| 56         | 4.916 | 4.909 | 4.961 | HH | 1635  | 38695  | 0.20% | 0.004% |
| 57         | 4.984 | 4.961 | 5.019 | HH | 1706  | 47256  | 0.24% | 0.005% |
| 58         | 5.046 | 5.019 | 5.061 | HH | 1778  | 39538  | 0.20% | 0.005% |
| 59         | 5.094 | 5.061 | 5.139 | HH | 2148  | 67160  | 0.34% | 0.008% |
| 60         | 5.161 | 5.139 | 5.195 | HH | 1272  | 30938  | 0.16% | 0.004% |
|            |       |       |       |    |       |        |       |        |
| 61         | 5.214 | 5.195 | 5.234 | HH | 5980  | 78866  | 0.40% | 0.009% |
| 62         | 5.244 | 5.234 | 5.313 | HH | 2368  | 62120  | 0.32% | 0.007% |
| 63         | 5.325 | 5.313 | 5.345 | HH | 996   | 15731  | 0.08% | 0.002% |
| 64         | 5.395 | 5.345 | 5.419 | HH | 2137  | 52459  | 0.27% | 0.006% |
| 65         | 5.489 | 5.419 | 5.501 | HH | 4558  | 90707  | 0.46% | 0.010% |
|            |       |       |       |    |       |        |       |        |
| 66         | 5.510 | 5.501 | 5.530 | HH | 4139  | 62900  | 0.32% | 0.007% |
| 67         | 5.540 | 5.530 | 5.640 | HH | 2900  | 103592 | 0.53% | 0.012% |
| 68         | 5.664 | 5.640 | 5.691 | HH | 1403  | 31958  | 0.16% | 0.004% |
| 69         | 5.713 | 5.691 | 5.731 | HH | 1695  | 32240  | 0.16% | 0.004% |
| 70         | 5.756 | 5.731 | 5.832 | HH | 35890 | 606111 | 3.07% | 0.070% |
|            |       |       |       |    |       |        |       |        |
| 71         | 5.848 | 5.832 | 5.870 | HH | 4245  | 75789  | 0.38% | 0.009% |
| 72         | 5.887 | 5.870 | 5.899 | HH | 2937  | 45774  | 0.23% | 0.005% |
| 73         | 5.910 | 5.899 | 5.952 | HH | 2971  | 73225  | 0.37% | 0.008% |
| 74         | 5.993 | 5.952 | 6.036 | HH | 3005  | 113968 | 0.58% | 0.013% |
| 75         | 6.089 | 6.036 | 6.121 | HH | 2677  | 114094 | 0.58% | 0.013% |
|            |       |       |       |    |       |        |       |        |
| 76         | 6.147 | 6.121 | 6.171 | HH | 2565  | 63789  | 0.32% | 0.007% |
| 77         | 6.191 | 6.171 | 6.240 | HH | 7121  | 129074 | 0.65% | 0.015% |
| 78         | 6.268 | 6.240 | 6.291 | HH | 2148  | 57869  | 0.29% | 0.007% |
| 79         | 6.337 | 6.291 | 6.356 | HH | 6839  | 128904 | 0.65% | 0.015% |
| 80         | 6.368 | 6.356 | 6.398 | HH | 3253  | 60473  | 0.31% | 0.007% |
|            |       |       |       |    |       |        |       |        |
| 81         | 6.404 | 6.398 | 6.425 | HH | 1890  | 26052  | 0.13% | 0.003% |
| 82         | 6.435 | 6.425 | 6.447 | HH | 1595  | 20412  | 0.10% | 0.002% |
| 83         | 6.464 | 6.447 | 6.485 | HH | 2269  | 41362  | 0.21% | 0.005% |
| 84         | 6.507 | 6.485 | 6.528 | HH | 3554  | 67958  | 0.34% | 0.008% |
| 85         | 6.537 | 6.528 | 6.549 | HH | 2641  | 33414  | 0.17% | 0.004% |
|            |       |       |       |    |       |        |       |        |
| 86         | 6.583 | 6.549 | 6.611 | HH | 3836  | 112702 | 0.57% | 0.013% |
| 87         | 6.628 | 6.611 | 6.651 | HH | 2746  | 58719  | 0.30% | 0.007% |
| 88         | 6.670 | 6.651 | 6.681 | HH | 2544  | 40606  | 0.21% | 0.005% |
| 89         | 6.715 | 6.681 | 6.727 | HH | 4073  | 91764  | 0.47% | 0.011% |

| rteres.txt |       |       |       |    |        |         |       |        |
|------------|-------|-------|-------|----|--------|---------|-------|--------|
| 90         | 6.744 | 6.727 | 6.770 | HH | 4749   | 100946  | 0.51% | 0.012% |
| 91         | 6.811 | 6.770 | 6.867 | HH | 20563  | 500674  | 2.54% | 0.058% |
| 92         | 6.890 | 6.867 | 6.917 | HH | 9698   | 175152  | 0.89% | 0.020% |
| 93         | 6.940 | 6.917 | 7.037 | HH | 35387  | 673375  | 3.42% | 0.078% |
| 94         | 7.057 | 7.037 | 7.091 | HH | 4225   | 115237  | 0.58% | 0.013% |
| 95         | 7.112 | 7.091 | 7.141 | HH | 9369   | 153953  | 0.78% | 0.018% |
| 96         | 7.166 | 7.141 | 7.212 | HH | 3545   | 126801  | 0.64% | 0.015% |
| 97         | 7.236 | 7.212 | 7.251 | HH | 2784   | 59857   | 0.30% | 0.007% |
| 98         | 7.281 | 7.251 | 7.308 | HH | 4345   | 105276  | 0.53% | 0.012% |
| 99         | 7.328 | 7.308 | 7.355 | HH | 2913   | 74760   | 0.38% | 0.009% |
| 100        | 7.385 | 7.355 | 7.421 | HH | 5850   | 136644  | 0.69% | 0.016% |
| 101        | 7.442 | 7.421 | 7.457 | HH | 3444   | 62955   | 0.32% | 0.007% |
| 102        | 7.472 | 7.457 | 7.491 | HH | 3181   | 55288   | 0.28% | 0.006% |
| 103        | 7.540 | 7.491 | 7.615 | HH | 10199  | 401332  | 2.04% | 0.046% |
| 104        | 7.634 | 7.615 | 7.649 | HH | 4005   | 74067   | 0.38% | 0.009% |
| 105        | 7.695 | 7.649 | 7.719 | HH | 9534   | 284172  | 1.44% | 0.033% |
| 106        | 7.730 | 7.719 | 7.751 | HH | 6959   | 111034  | 0.56% | 0.013% |
| 107        | 7.800 | 7.751 | 7.868 | HH | 23191  | 695217  | 3.53% | 0.080% |
| 108        | 7.899 | 7.868 | 7.916 | HH | 42217  | 573984  | 2.91% | 0.066% |
| 109        | 7.928 | 7.916 | 7.957 | HH | 23172  | 411632  | 2.09% | 0.048% |
| 110        | 7.977 | 7.957 | 8.013 | HH | 18474  | 376527  | 1.91% | 0.044% |
| 111        | 8.041 | 8.013 | 8.061 | HH | 102962 | 1284192 | 6.51% | 0.149% |
| 112        | 8.079 | 8.061 | 8.149 | HH | 73672  | 1354377 | 6.87% | 0.157% |
| 113        | 8.173 | 8.149 | 8.200 | HH | 13292  | 261433  | 1.33% | 0.030% |
| 114        | 8.219 | 8.200 | 8.288 | HH | 7765   | 269616  | 1.37% | 0.031% |
| 115        | 8.331 | 8.288 | 8.342 | HH | 5591   | 147745  | 0.75% | 0.017% |
| 116        | 8.373 | 8.342 | 8.409 | HH | 106714 | 1371448 | 6.96% | 0.159% |
| 117        | 8.430 | 8.409 | 8.469 | HH | 13654  | 361459  | 1.83% | 0.042% |
| 118        | 8.482 | 8.469 | 8.490 | HH | 8379   | 100662  | 0.51% | 0.012% |
| 119        | 8.513 | 8.490 | 8.551 | HH | 14870  | 333826  | 1.69% | 0.039% |
| 120        | 8.566 | 8.551 | 8.591 | HH | 6928   | 145630  | 0.74% | 0.017% |
| 121        | 8.617 | 8.591 | 8.633 | HH | 15524  | 256942  | 1.30% | 0.030% |
| 122        | 8.653 | 8.633 | 8.728 | HH | 41710  | 959220  | 4.87% | 0.111% |
| 123        | 8.744 | 8.728 | 8.767 | HH | 10548  | 213648  | 1.08% | 0.025% |
| 124        | 8.790 | 8.767 | 8.812 | HH | 21726  | 423586  | 2.15% | 0.049% |
| 125        | 8.828 | 8.812 | 8.875 | HH | 24198  | 473224  | 2.40% | 0.055% |
| 126        | 8.897 | 8.875 | 8.917 | HH | 8800   | 188058  | 0.95% | 0.022% |
| 127        | 8.940 | 8.917 | 8.959 | HH | 26221  | 385796  | 1.96% | 0.045% |
| 128        | 8.977 | 8.959 | 9.005 | HH | 21029  | 363162  | 1.84% | 0.042% |
| 129        | 9.027 | 9.005 | 9.046 | HH | 17370  | 296921  | 1.51% | 0.034% |
| 130        | 9.076 | 9.046 | 9.101 | HH | 25159  | 503691  | 2.56% | 0.058% |
| 131        | 9.119 | 9.101 | 9.135 | HH | 17023  | 256548  | 1.30% | 0.030% |
| 132        | 9.159 | 9.135 | 9.210 | HH | 100898 | 1668023 | 8.46% | 0.193% |
| 133        | 9.237 | 9.210 | 9.259 | HH | 29734  | 529909  | 2.69% | 0.061% |
| 134        | 9.280 | 9.259 | 9.290 | HH | 18978  | 292679  | 1.48% | 0.034% |
| 135        | 9.307 | 9.290 | 9.347 | HH | 29042  | 609117  | 3.09% | 0.070% |
| 136        | 9.369 | 9.347 | 9.407 | HH | 23164  | 539704  | 2.74% | 0.062% |
| 137        | 9.424 | 9.407 | 9.457 | HH | 12888  | 312447  | 1.59% | 0.036% |
| 138        | 9.483 | 9.457 | 9.520 | HH | 39684  | 755565  | 3.83% | 0.087% |
| 139        | 9.532 | 9.520 | 9.550 | HH | 12177  | 198013  | 1.00% | 0.023% |
| 140        | 9.583 | 9.550 | 9.617 | HH | 51746  | 1002297 | 5.08% | 0.116% |
| 141        | 9.644 | 9.617 | 9.665 | HH | 17323  | 408466  | 2.07% | 0.047% |

|     |        |        |        |    | rteres.txt |          |        |        |
|-----|--------|--------|--------|----|------------|----------|--------|--------|
| 142 | 9.674  | 9.665  | 9.711  | HH | 13081      | 300650   | 1.53%  | 0.035% |
| 143 | 9.743  | 9.711  | 9.771  | HH | 13678      | 392297   | 1.99%  | 0.045% |
| 144 | 9.782  | 9.771  | 9.810  | HH | 9484       | 198742   | 1.01%  | 0.023% |
| 145 | 9.867  | 9.810  | 9.883  | HH | 10324      | 395469   | 2.01%  | 0.046% |
| 146 | 9.903  | 9.883  | 9.939  | HH | 18360      | 429990   | 2.18%  | 0.050% |
| 147 | 9.967  | 9.939  | 9.984  | HH | 13303      | 314082   | 1.59%  | 0.036% |
| 148 | 10.041 | 9.984  | 10.066 | HH | 51508      | 1296502  | 6.58%  | 0.150% |
| 149 | 10.083 | 10.066 | 10.118 | HH | 30187      | 650714   | 3.30%  | 0.075% |
| 150 | 10.156 | 10.118 | 10.197 | HH | 43562      | 1137490  | 5.77%  | 0.132% |
| 151 | 10.233 | 10.197 | 10.263 | HH | 30750      | 923523   | 4.69%  | 0.107% |
| 152 | 10.326 | 10.263 | 10.342 | HH | 64012      | 1467315  | 7.44%  | 0.170% |
| 153 | 10.362 | 10.342 | 10.404 | HH | 64157      | 1467559  | 7.44%  | 0.170% |
| 154 | 10.432 | 10.404 | 10.443 | HH | 22123      | 470266   | 2.39%  | 0.054% |
| 155 | 10.462 | 10.443 | 10.481 | HH | 41145      | 659023   | 3.34%  | 0.076% |
| 156 | 10.493 | 10.481 | 10.513 | HH | 21980      | 380380   | 1.93%  | 0.044% |
| 157 | 10.561 | 10.513 | 10.610 | HH | 704033     | 8838444  | 44.84% | 1.023% |
| 158 | 10.635 | 10.610 | 10.676 | HH | 250887     | 3575372  | 18.14% | 0.414% |
| 159 | 10.692 | 10.676 | 10.716 | HH | 28397      | 581045   | 2.95%  | 0.067% |
| 160 | 10.727 | 10.716 | 10.799 | HH | 21113      | 870098   | 4.41%  | 0.101% |
| 161 | 10.872 | 10.799 | 10.914 | HH | 47117      | 1658815  | 8.42%  | 0.192% |
| 162 | 10.927 | 10.914 | 10.939 | HH | 25534      | 354098   | 1.80%  | 0.041% |
| 163 | 10.961 | 10.939 | 10.978 | HH | 31158      | 629274   | 3.19%  | 0.073% |
| 164 | 10.989 | 10.978 | 11.001 | HH | 24873      | 322659   | 1.64%  | 0.037% |
| 165 | 11.015 | 11.001 | 11.030 | HH | 26326      | 423106   | 2.15%  | 0.049% |
| 166 | 11.052 | 11.030 | 11.069 | HH | 32735      | 646992   | 3.28%  | 0.075% |
| 167 | 11.093 | 11.069 | 11.132 | HH | 51152      | 1253194  | 6.36%  | 0.145% |
| 168 | 11.160 | 11.132 | 11.182 | HH | 51186      | 994548   | 5.05%  | 0.115% |
| 169 | 11.210 | 11.182 | 11.236 | HH | 36562      | 995501   | 5.05%  | 0.115% |
| 170 | 11.262 | 11.236 | 11.276 | HH | 27598      | 621641   | 3.15%  | 0.072% |
| 171 | 11.288 | 11.276 | 11.308 | HH | 28416      | 488701   | 2.48%  | 0.057% |
| 172 | 11.360 | 11.308 | 11.376 | HH | 136911     | 2277848  | 11.56% | 0.264% |
| 173 | 11.393 | 11.376 | 11.434 | HH | 181013     | 2772560  | 14.07% | 0.321% |
| 174 | 11.470 | 11.434 | 11.493 | HH | 216924     | 3904686  | 19.81% | 0.452% |
| 175 | 11.509 | 11.493 | 11.521 | HH | 100159     | 1287173  | 6.53%  | 0.149% |
| 176 | 11.539 | 11.521 | 11.591 | HH | 149813     | 2724244  | 13.82% | 0.315% |
| 177 | 11.615 | 11.591 | 11.628 | HH | 28541      | 562271   | 2.85%  | 0.065% |
| 178 | 11.653 | 11.628 | 11.672 | HH | 33659      | 815842   | 4.14%  | 0.094% |
| 179 | 11.682 | 11.672 | 11.715 | HH | 32334      | 742881   | 3.77%  | 0.086% |
| 180 | 11.754 | 11.715 | 11.809 | HH | 64260      | 2375325  | 12.05% | 0.275% |
| 181 | 11.832 | 11.809 | 11.875 | HH | 108992     | 2184310  | 11.08% | 0.253% |
| 182 | 11.889 | 11.875 | 11.908 | HH | 34772      | 658527   | 3.34%  | 0.076% |
| 183 | 11.950 | 11.908 | 12.000 | HH | 117946     | 3007090  | 15.26% | 0.348% |
| 184 | 12.020 | 12.000 | 12.043 | HH | 35720      | 859582   | 4.36%  | 0.099% |
| 185 | 12.083 | 12.043 | 12.095 | HH | 48614      | 1240034  | 6.29%  | 0.143% |
| 186 | 12.109 | 12.095 | 12.133 | HH | 47530      | 977426   | 4.96%  | 0.113% |
| 187 | 12.152 | 12.133 | 12.201 | HH | 70563      | 1995163  | 10.12% | 0.231% |
| 188 | 12.235 | 12.201 | 12.246 | HH | 102868     | 1783551  | 9.05%  | 0.206% |
| 189 | 12.261 | 12.246 | 12.282 | HH | 134962     | 2146426  | 10.89% | 0.248% |
| 190 | 12.301 | 12.282 | 12.313 | HH | 85709      | 1441594  | 7.31%  | 0.167% |
| 191 | 12.329 | 12.313 | 12.352 | HH | 92834      | 1771050  | 8.98%  | 0.205% |
| 192 | 12.389 | 12.352 | 12.441 | HH | 1190544    | 17527990 | 88.92% | 2.028% |
| 193 | 12.477 | 12.441 | 12.494 | HH | 47826      | 1367247  | 6.94%  | 0.158% |
| 194 | 12.519 | 12.494 | 12.551 | HH | 170411     | 3275571  | 16.62% | 0.379% |

|     |        |        |        |    | rteres.txt |          |        |        |
|-----|--------|--------|--------|----|------------|----------|--------|--------|
| 195 | 12.566 | 12.551 | 12.586 | HH | 88070      | 1471570  | 7.47%  | 0.170% |
| 196 | 12.625 | 12.586 | 12.651 | HH | 82888      | 2468165  | 12.52% | 0.286% |
| 197 | 12.684 | 12.651 | 12.716 | HH | 1020658    | 13930768 | 70.67% | 1.612% |
| 198 | 12.734 | 12.716 | 12.748 | HH | 117172     | 1704365  | 8.65%  | 0.197% |
| 199 | 12.766 | 12.748 | 12.828 | HH | 190310     | 4170680  | 21.16% | 0.483% |
| 200 | 12.854 | 12.828 | 12.876 | HH | 88903      | 1818992  | 9.23%  | 0.210% |
| 201 | 12.899 | 12.876 | 12.921 | HH | 59874      | 1433597  | 7.27%  | 0.166% |
| 202 | 12.949 | 12.921 | 12.989 | HH | 122784     | 3025381  | 15.35% | 0.350% |
| 203 | 13.009 | 12.989 | 13.053 | HH | 75942      | 2176456  | 11.04% | 0.252% |
| 204 | 13.078 | 13.053 | 13.113 | HH | 92369      | 2479616  | 12.58% | 0.287% |
| 205 | 13.139 | 13.113 | 13.162 | HH | 144028     | 2902587  | 14.72% | 0.336% |
| 206 | 13.173 | 13.162 | 13.202 | HH | 70456      | 1421484  | 7.21%  | 0.164% |
| 207 | 13.271 | 13.202 | 13.316 | HH | 324445     | 8040460  | 40.79% | 0.930% |
| 208 | 13.334 | 13.316 | 13.351 | HH | 80641      | 1462732  | 7.42%  | 0.169% |
| 209 | 13.376 | 13.351 | 13.398 | HH | 279802     | 4442967  | 22.54% | 0.514% |
| 210 | 13.416 | 13.398 | 13.465 | HH | 166134     | 3782605  | 19.19% | 0.438% |
| 211 | 13.517 | 13.465 | 13.527 | HH | 120656     | 3360163  | 17.05% | 0.389% |
| 212 | 13.543 | 13.527 | 13.566 | HH | 145565     | 2622598  | 13.30% | 0.303% |
| 213 | 13.585 | 13.566 | 13.655 | HH | 129086     | 4409993  | 22.37% | 0.510% |
| 214 | 13.668 | 13.655 | 13.681 | HH | 69931      | 1064653  | 5.40%  | 0.123% |
| 215 | 13.703 | 13.681 | 13.728 | HH | 73967      | 1878698  | 9.53%  | 0.217% |
| 216 | 13.748 | 13.728 | 13.758 | HH | 67105      | 1185106  | 6.01%  | 0.137% |
| 217 | 13.771 | 13.758 | 13.818 | HH | 67757      | 2209567  | 11.21% | 0.256% |
| 218 | 13.856 | 13.818 | 13.895 | HH | 69469      | 2808826  | 14.25% | 0.325% |
| 219 | 13.915 | 13.895 | 13.923 | HH | 63718      | 1038669  | 5.27%  | 0.120% |
| 220 | 13.975 | 13.923 | 13.998 | HH | 115479     | 3912019  | 19.85% | 0.453% |
| 221 | 14.024 | 13.998 | 14.045 | HH | 94009      | 2393381  | 12.14% | 0.277% |
| 222 | 14.081 | 14.045 | 14.098 | HH | 111603     | 3023565  | 15.34% | 0.350% |
| 223 | 14.110 | 14.098 | 14.158 | HH | 104859     | 3048115  | 15.46% | 0.353% |
| 224 | 14.187 | 14.158 | 14.211 | HH | 141531     | 3363586  | 17.06% | 0.389% |
| 225 | 14.242 | 14.211 | 14.281 | HH | 207109     | 5823789  | 29.54% | 0.674% |
| 226 | 14.300 | 14.281 | 14.322 | HH | 121076     | 2597318  | 13.18% | 0.301% |
| 227 | 14.337 | 14.322 | 14.381 | HH | 108274     | 3234117  | 16.41% | 0.374% |
| 228 | 14.422 | 14.381 | 14.488 | HH | 234082     | 7438337  | 37.73% | 0.861% |
| 229 | 14.519 | 14.488 | 14.537 | HH | 174365     | 3497127  | 17.74% | 0.405% |
| 230 | 14.566 | 14.537 | 14.586 | HH | 672506     | 10401385 | 52.77% | 1.203% |
| 231 | 14.609 | 14.586 | 14.638 | HH | 679424     | 9930486  | 50.38% | 1.149% |
| 232 | 14.669 | 14.638 | 14.689 | HH | 107310     | 2785000  | 14.13% | 0.322% |
| 233 | 14.743 | 14.689 | 14.785 | HH | 213960     | 7999724  | 40.58% | 0.926% |
| 234 | 14.823 | 14.785 | 14.848 | HH | 115820     | 3520365  | 17.86% | 0.407% |
| 235 | 14.878 | 14.848 | 14.893 | HH | 115087     | 2740648  | 13.90% | 0.317% |
| 236 | 14.910 | 14.893 | 14.960 | HH | 130151     | 4048803  | 20.54% | 0.468% |
| 237 | 14.971 | 14.960 | 14.980 | HH | 85046      | 1026550  | 5.21%  | 0.119% |
| 238 | 15.006 | 14.980 | 15.090 | HH | 174405     | 7270170  | 36.88% | 0.841% |
| 239 | 15.114 | 15.090 | 15.126 | HH | 95392      | 1870087  | 9.49%  | 0.216% |
| 240 | 15.154 | 15.126 | 15.174 | HH | 115848     | 2950679  | 14.97% | 0.341% |
| 241 | 15.193 | 15.174 | 15.210 | HH | 122419     | 2414120  | 12.25% | 0.279% |
| 242 | 15.236 | 15.210 | 15.258 | HH | 243747     | 4723558  | 23.96% | 0.547% |
| 243 | 15.275 | 15.258 | 15.308 | HH | 153319     | 3631324  | 18.42% | 0.420% |
| 244 | 15.324 | 15.308 | 15.354 | HH | 140967     | 3214323  | 16.31% | 0.372% |
| 245 | 15.396 | 15.354 | 15.447 | HH | 191792     | 7781535  | 39.48% | 0.900% |
| 246 | 15.469 | 15.447 | 15.503 | HH | 126139     | 3637104  | 18.45% | 0.421% |

| rteres.txt |        |        |        |    |        |          |         |        |
|------------|--------|--------|--------|----|--------|----------|---------|--------|
| 247        | 15.518 | 15.503 | 15.534 | HH | 95554  | 1706944  | 8.66%   | 0.198% |
| 248        | 15.557 | 15.534 | 15.581 | HH | 111112 | 2749084  | 13.95%  | 0.318% |
| 249        | 15.595 | 15.581 | 15.608 | HH | 93439  | 1437626  | 7.29%   | 0.166% |
| 250        | 15.651 | 15.608 | 15.696 | HH | 126289 | 5554673  | 28.18%  | 0.643% |
| 251        | 15.710 | 15.696 | 15.724 | HH | 92604  | 1535926  | 7.79%   | 0.178% |
| 252        | 15.740 | 15.724 | 15.765 | HH | 94037  | 2207385  | 11.20%  | 0.255% |
| 253        | 15.784 | 15.765 | 15.798 | HH | 92209  | 1815016  | 9.21%   | 0.210% |
| 254        | 15.833 | 15.798 | 15.860 | HH | 108602 | 3712585  | 18.83%  | 0.430% |
| 255        | 15.886 | 15.860 | 15.895 | HH | 103687 | 2112494  | 10.72%  | 0.244% |
| 256        | 15.928 | 15.895 | 15.965 | HH | 135543 | 4796795  | 24.33%  | 0.555% |
| 257        | 16.041 | 15.965 | 16.081 | HH | 140290 | 8258013  | 41.89%  | 0.955% |
| 258        | 16.139 | 16.081 | 16.197 | HH | 672572 | 19712102 | 100.00% | 2.281% |
| 259        | 16.208 | 16.197 | 16.231 | HH | 115850 | 2202708  | 11.17%  | 0.255% |
| 260        | 16.264 | 16.231 | 16.335 | HH | 264260 | 9273243  | 47.04%  | 1.073% |
| 261        | 16.414 | 16.335 | 16.425 | HH | 154687 | 6802428  | 34.51%  | 0.787% |
| 262        | 16.457 | 16.425 | 16.488 | HH | 454441 | 9815257  | 49.79%  | 1.136% |
| 263        | 16.521 | 16.488 | 16.577 | HH | 653241 | 13862034 | 70.32%  | 1.604% |
| 264        | 16.616 | 16.577 | 16.646 | HH | 255369 | 6825378  | 34.63%  | 0.790% |
| 265        | 16.681 | 16.646 | 16.705 | HH | 138475 | 4636612  | 23.52%  | 0.536% |
| 266        | 16.760 | 16.705 | 16.797 | HH | 161647 | 7775708  | 39.45%  | 0.900% |
| 267        | 16.816 | 16.797 | 16.841 | HH | 147272 | 3533041  | 17.92%  | 0.409% |
| 268        | 16.879 | 16.841 | 16.943 | HH | 211720 | 10236097 | 51.93%  | 1.184% |
| 269        | 16.974 | 16.943 | 16.996 | HH | 162907 | 4663780  | 23.66%  | 0.540% |
| 270        | 17.016 | 16.996 | 17.027 | HH | 161724 | 2884025  | 14.63%  | 0.334% |
| 271        | 17.043 | 17.027 | 17.073 | HH | 189456 | 4343423  | 22.03%  | 0.503% |
| 272        | 17.104 | 17.073 | 17.122 | HH | 161102 | 4242432  | 21.52%  | 0.491% |
| 273        | 17.134 | 17.122 | 17.152 | HH | 149831 | 2549822  | 12.94%  | 0.295% |
| 274        | 17.176 | 17.152 | 17.255 | HH | 175366 | 8806378  | 44.67%  | 1.019% |
| 275        | 17.297 | 17.255 | 17.337 | HH | 146140 | 6427507  | 32.61%  | 0.744% |
| 276        | 17.364 | 17.337 | 17.386 | HH | 131316 | 3710997  | 18.83%  | 0.429% |
| 277        | 17.476 | 17.386 | 17.547 | HH | 167580 | 13418585 | 68.07%  | 1.553% |
| 278        | 17.601 | 17.547 | 17.639 | HH | 175336 | 8281925  | 42.01%  | 0.958% |
| 279        | 17.660 | 17.639 | 17.675 | HH | 155586 | 3141446  | 15.94%  | 0.363% |
| 280        | 17.701 | 17.675 | 17.770 | HH | 163818 | 8589617  | 43.58%  | 0.994% |
| 281        | 17.801 | 17.770 | 17.823 | HH | 244384 | 5810424  | 29.48%  | 0.672% |
| 282        | 17.843 | 17.823 | 17.870 | HH | 190759 | 4875701  | 24.73%  | 0.564% |
| 283        | 17.904 | 17.870 | 17.956 | HH | 469160 | 12880551 | 65.34%  | 1.490% |
| 284        | 17.974 | 17.956 | 18.005 | HH | 195811 | 4943995  | 25.08%  | 0.572% |
| 285        | 18.028 | 18.005 | 18.045 | HH | 245185 | 4759278  | 24.14%  | 0.551% |
| 286        | 18.060 | 18.045 | 18.081 | HH | 218907 | 4275416  | 21.69%  | 0.495% |
| 287        | 18.101 | 18.081 | 18.126 | HH | 182346 | 4557679  | 23.12%  | 0.527% |
| 288        | 18.159 | 18.126 | 18.215 | HH | 404977 | 11226770 | 56.95%  | 1.299% |
| 289        | 18.252 | 18.215 | 18.264 | HH | 170067 | 4683914  | 23.76%  | 0.542% |
| 290        | 18.295 | 18.264 | 18.362 | HH | 275330 | 10780955 | 54.69%  | 1.247% |
| 291        | 18.400 | 18.362 | 18.420 | HH | 162270 | 5175247  | 26.25%  | 0.599% |
| 292        | 18.442 | 18.420 | 18.456 | HH | 166838 | 3375948  | 17.13%  | 0.391% |
| 293        | 18.470 | 18.456 | 18.516 | HH | 164056 | 5539088  | 28.10%  | 0.641% |
| 294        | 18.535 | 18.516 | 18.550 | HH | 153540 | 3032630  | 15.38%  | 0.351% |
| 295        | 18.587 | 18.550 | 18.634 | HH | 180855 | 8312538  | 42.17%  | 0.962% |
| 296        | 18.674 | 18.634 | 18.699 | HH | 214107 | 7015641  | 35.59%  | 0.812% |
| 297        | 18.722 | 18.699 | 18.764 | HH | 182500 | 6567620  | 33.32%  | 0.760% |
| 298        | 18.775 | 18.764 | 18.806 | HH | 160642 | 3923479  | 19.90%  | 0.454% |
| 299        | 18.847 | 18.806 | 18.896 | HH | 173826 | 8273395  | 41.97%  | 0.957% |

|     |        |        |        |     |                         |          |           |        |
|-----|--------|--------|--------|-----|-------------------------|----------|-----------|--------|
|     |        |        |        |     | rteres.txt              |          |           |        |
| 300 | 18.916 | 18.896 | 18.924 | HH  | 143289                  | 2372232  | 12.03%    | 0.274% |
| 301 | 18.939 | 18.924 | 18.975 | HH  | 144866                  | 4344852  | 22.04%    | 0.503% |
| 302 | 19.014 | 18.975 | 19.059 | HH  | 148788                  | 7168601  | 36.37%    | 0.829% |
| 303 | 19.108 | 19.059 | 19.135 | HH  | 153624                  | 6538384  | 33.17%    | 0.757% |
| 304 | 19.163 | 19.135 | 19.189 | HH  | 161055                  | 4834491  | 24.53%    | 0.559% |
| 305 | 19.207 | 19.189 | 19.228 | HH  | 149872                  | 3475024  | 17.63%    | 0.402% |
| 306 | 19.243 | 19.228 | 19.260 | HH  | 151210                  | 2824268  | 14.33%    | 0.327% |
| 307 | 19.323 | 19.260 | 19.359 | HH  | 250196                  | 10845086 | 55.02%    | 1.255% |
| 308 | 19.392 | 19.359 | 19.418 | HH  | 252310                  | 7194729  | 36.50%    | 0.832% |
| 309 | 19.434 | 19.418 | 19.476 | HH  | 194528                  | 6585904  | 33.41%    | 0.762% |
| 310 | 19.490 | 19.476 | 19.565 | HH  | 187101                  | 8703653  | 44.15%    | 1.007% |
| 311 | 19.611 | 19.565 | 19.660 | HH  | 172389                  | 8616349  | 43.71%    | 0.997% |
| 312 | 19.710 | 19.660 | 19.747 | HH  | 306577                  | 10269677 | 52.10%    | 1.188% |
| 313 | 19.778 | 19.747 | 19.800 | HH  | 204268                  | 5666859  | 28.75%    | 0.656% |
| 314 | 19.818 | 19.800 | 19.829 | HH  | 176017                  | 2970957  | 15.07%    | 0.344% |
| 315 | 19.841 | 19.829 | 19.931 | HH  | 178086                  | 9813522  | 49.78%    | 1.135% |
| 316 | 19.970 | 19.931 | 20.011 | HH  | 157481                  | 7369037  | 37.38%    | 0.853% |
| 317 | 20.030 | 20.011 | 20.073 | HH  | 157980                  | 5646984  | 28.65%    | 0.653% |
| 318 | 20.083 | 20.073 | 20.108 | HH  | 150513                  | 3077703  | 15.61%    | 0.356% |
| 319 | 20.128 | 20.108 | 20.145 | HH  | 150426                  | 3238537  | 16.43%    | 0.375% |
| 320 | 20.199 | 20.145 | 20.261 | HH  | 159583                  | 10506209 | 53.30%    | 1.216% |
| 321 | 20.297 | 20.261 | 20.338 | HH  | 154265                  | 6876387  | 34.88%    | 0.796% |
| 322 | 20.370 | 20.338 | 20.422 | HH  | 154927                  | 7578510  | 38.45%    | 0.877% |
| 323 | 20.442 | 20.422 | 20.481 | HH  | 148771                  | 5158635  | 26.17%    | 0.597% |
| 324 | 20.493 | 20.481 | 20.521 | HH  | 145030                  | 3424376  | 17.37%    | 0.396% |
| 325 | 20.555 | 20.521 | 20.609 | HH  | 161108                  | 7663675  | 38.88%    | 0.887% |
| 326 | 20.619 | 20.609 | 20.624 | HH  | 138482                  | 1214595  | 6.16%     | 0.141% |
| 327 | 20.637 | 20.624 | 20.668 | HH  | 139949                  | 3643754  | 18.48%    | 0.422% |
| 328 | 20.715 | 20.668 | 20.763 | HH  | 148686                  | 8106847  | 41.13%    | 0.938% |
| 329 | 20.790 | 20.763 | 20.845 | HH  | 143193                  | 6602032  | 33.49%    | 0.764% |
| 330 | 20.900 | 20.845 | 20.961 | HH  | 140869                  | 9476963  | 48.08%    | 1.097% |
| 331 | 20.989 | 20.961 | 21.021 | HH  | 142523                  | 4945796  | 25.09%    | 0.572% |
| 332 | 21.086 | 21.021 | 21.134 | HH  | 158472                  | 9797785  | 49.70%    | 1.134% |
| 333 | 21.154 | 21.134 | 21.221 | HH  | 135928                  | 6726008  | 34.12%    | 0.778% |
| 334 | 21.244 | 21.221 | 21.265 | HH  | 130322                  | 3301863  | 16.75%    | 0.382% |
| 335 | 21.285 | 21.265 | 21.328 | HH  | 128790                  | 4692718  | 23.81%    | 0.543% |
| 336 | 21.369 | 21.328 | 21.411 | HH  | 144272                  | 6509855  | 33.02%    | 0.753% |
| 337 | 21.442 | 21.411 | 21.451 | HHA | 132922                  | 3226237  | 16.37%    | 0.373% |
|     |        |        |        |     | Sum of corrected areas: |          | 864261618 |        |

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