

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG110518\  
 Data File : FG002769.D  
 Signal(s) : FID1A.ch  
 Acq On : 05 Nov 2018 15:09  
 Sample : J5764-07 10X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG102618.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         | 4.463       | 4.425        | 4.498      | BH       | 548            | 2994         | 0.02%          | 0.003%        |
| 2         | 4.509       | 4.498        | 4.523      | PH       | 231            | 897          | 0.01%          | 0.001%        |
| 3         | 4.538       | 4.523        | 4.555      | PH       | 108            | -505         | -0.00%         | -0.001%       |
| 4         | 4.567       | 4.555        | 4.594      | PH       | -24            | -2343        | -0.02%         | -0.003%       |
| 5         | 4.615       | 4.594        | 4.652      | PH       | 310            | 667          | 0.01%          | 0.001%        |
| 6         | 4.691       | 4.652        | 4.706      | PH       | 282            | 2847         | 0.02%          | 0.003%        |
| 7         | 4.721       | 4.706        | 4.736      | PH       | 248            | 659          | 0.01%          | 0.001%        |
| 8         | 4.752       | 4.736        | 4.765      | PH       | 89             | -307         | -0.00%         | -0.000%       |
| 9         | 4.802       | 4.765        | 4.831      | PH       | 465            | 5124         | 0.04%          | 0.006%        |
| 10        | 4.847       | 4.831        | 4.863      | PH       | 465            | 3159         | 0.02%          | 0.004%        |
| 11        | 4.882       | 4.863        | 4.904      | PH       | 396            | 4008         | 0.03%          | 0.005%        |
| 12        | 4.945       | 4.904        | 4.979      | PH       | 758            | 11585        | 0.09%          | 0.013%        |
| 13        | 4.998       | 4.979        | 5.047      | PH       | 340            | 1488         | 0.01%          | 0.002%        |
| 14        | 5.078       | 5.047        | 5.090      | PH       | 137            | 35           | 0.00%          | 0.000%        |
| 15        | 5.113       | 5.090        | 5.139      | HH       | 510            | 7358         | 0.06%          | 0.008%        |
| 16        | 5.165       | 5.139        | 5.177      | PH       | 406            | 4388         | 0.03%          | 0.005%        |
| 17        | 5.191       | 5.177        | 5.202      | HH       | 861            | 7388         | 0.06%          | 0.008%        |
| 18        | 5.214       | 5.202        | 5.229      | HH       | 753            | 7705         | 0.06%          | 0.009%        |
| 19        | 5.242       | 5.229        | 5.259      | HH       | 526            | 3706         | 0.03%          | 0.004%        |
| 20        | 5.270       | 5.259        | 5.294      | PH       | -48            | -1707        | -0.01%         | -0.002%       |
| 21        | 5.330       | 5.294        | 5.360      | PH       | 434            | 7626         | 0.06%          | 0.009%        |
| 22        | 5.382       | 5.360        | 5.392      | HH       | 794            | 8974         | 0.07%          | 0.010%        |
| 23        | 5.403       | 5.392        | 5.421      | HH       | 890            | 9272         | 0.07%          | 0.011%        |
| 24        | 5.462       | 5.421        | 5.488      | HH       | 531            | 7974         | 0.06%          | 0.009%        |
| 25        | 5.512       | 5.488        | 5.526      | PH       | 2072           | 22991        | 0.18%          | 0.026%        |
| 26        | 5.541       | 5.526        | 5.564      | HH       | 2378           | 27397        | 0.21%          | 0.031%        |
| 27        | 5.579       | 5.564        | 5.615      | HH       | 828            | 9853         | 0.08%          | 0.011%        |
| 28        | 5.629       | 5.615        | 5.656      | PH       | 303            | 4528         | 0.03%          | 0.005%        |
| 29        | 5.664       | 5.656        | 5.681      | HH       | 199            | 1670         | 0.01%          | 0.002%        |
| 30        | 5.701       | 5.681        | 5.719      | HH       | 2264           | 24765        | 0.19%          | 0.028%        |
| 31        | 5.728       | 5.719        | 5.751      | HH       | 850            | 9166         | 0.07%          | 0.010%        |
| 32        | 5.798       | 5.751        | 5.835      | HH       | 2396           | 50284        | 0.38%          | 0.057%        |
| 33        | 5.853       | 5.835        | 5.869      | HH       | 1031           | 13001        | 0.10%          | 0.015%        |
| 34        | 5.890       | 5.869        | 5.908      | HH       | 2091           | 27544        | 0.21%          | 0.031%        |
| 35        | 5.923       | 5.908        | 5.948      | HH       | 1020           | 18098        | 0.14%          | 0.021%        |
| 36        | 5.968       | 5.948        | 5.994      | HH       | 1426           | 19934        | 0.15%          | 0.023%        |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 37         | 6.016 | 5.994 | 6.042 | HH | 1536  | 26706  | 0.20% | 0.031% |
| 38         | 6.068 | 6.042 | 6.083 | HH | 1152  | 19377  | 0.15% | 0.022% |
| 39         | 6.111 | 6.083 | 6.138 | HH | 1392  | 28478  | 0.22% | 0.033% |
| 40         | 6.155 | 6.138 | 6.179 | HH | 1200  | 17929  | 0.14% | 0.020% |
|            |       |       |       |    |       |        |       |        |
| 41         | 6.207 | 6.179 | 6.228 | HH | 2049  | 40767  | 0.31% | 0.047% |
| 42         | 6.246 | 6.228 | 6.270 | HH | 1800  | 33658  | 0.26% | 0.038% |
| 43         | 6.285 | 6.270 | 6.310 | HH | 1963  | 30876  | 0.24% | 0.035% |
| 44         | 6.338 | 6.310 | 6.357 | HH | 1993  | 36995  | 0.28% | 0.042% |
| 45         | 6.379 | 6.357 | 6.396 | HH | 1239  | 22663  | 0.17% | 0.026% |
|            |       |       |       |    |       |        |       |        |
| 46         | 6.438 | 6.396 | 6.467 | HH | 3248  | 67568  | 0.52% | 0.077% |
| 47         | 6.497 | 6.467 | 6.509 | HH | 3566  | 50294  | 0.38% | 0.058% |
| 48         | 6.518 | 6.509 | 6.547 | HH | 2661  | 35630  | 0.27% | 0.041% |
| 49         | 6.588 | 6.547 | 6.599 | HH | 1243  | 29683  | 0.23% | 0.034% |
| 50         | 6.616 | 6.599 | 6.629 | HH | 1854  | 27511  | 0.21% | 0.031% |
|            |       |       |       |    |       |        |       |        |
| 51         | 6.646 | 6.629 | 6.665 | HH | 2785  | 41921  | 0.32% | 0.048% |
| 52         | 6.699 | 6.665 | 6.716 | HH | 2529  | 51109  | 0.39% | 0.058% |
| 53         | 6.724 | 6.716 | 6.741 | HH | 1215  | 17037  | 0.13% | 0.019% |
| 54         | 6.780 | 6.741 | 6.801 | HH | 3604  | 69542  | 0.53% | 0.080% |
| 55         | 6.840 | 6.801 | 6.868 | HH | 2389  | 61321  | 0.47% | 0.070% |
|            |       |       |       |    |       |        |       |        |
| 56         | 6.905 | 6.868 | 6.928 | HH | 7930  | 109184 | 0.83% | 0.125% |
| 57         | 6.941 | 6.928 | 6.952 | HH | 1769  | 20824  | 0.16% | 0.024% |
| 58         | 6.973 | 6.952 | 6.988 | HH | 2251  | 37809  | 0.29% | 0.043% |
| 59         | 7.022 | 6.988 | 7.043 | HH | 3055  | 72882  | 0.56% | 0.083% |
| 60         | 7.064 | 7.043 | 7.086 | HH | 4239  | 67424  | 0.51% | 0.077% |
|            |       |       |       |    |       |        |       |        |
| 61         | 7.135 | 7.086 | 7.187 | HH | 5420  | 155645 | 1.19% | 0.178% |
| 62         | 7.206 | 7.187 | 7.248 | HH | 4521  | 99298  | 0.76% | 0.114% |
| 63         | 7.268 | 7.248 | 7.290 | HH | 2846  | 56795  | 0.43% | 0.065% |
| 64         | 7.310 | 7.290 | 7.329 | HH | 3192  | 53087  | 0.40% | 0.061% |
| 65         | 7.336 | 7.329 | 7.371 | HH | 1947  | 45987  | 0.35% | 0.053% |
|            |       |       |       |    |       |        |       |        |
| 66         | 7.423 | 7.371 | 7.457 | HH | 9489  | 239321 | 1.82% | 0.274% |
| 67         | 7.473 | 7.457 | 7.488 | HH | 3748  | 56397  | 0.43% | 0.064% |
| 68         | 7.506 | 7.488 | 7.541 | HH | 3280  | 83250  | 0.63% | 0.095% |
| 69         | 7.553 | 7.541 | 7.568 | HH | 1875  | 29169  | 0.22% | 0.033% |
| 70         | 7.605 | 7.568 | 7.643 | HH | 5829  | 150903 | 1.15% | 0.173% |
|            |       |       |       |    |       |        |       |        |
| 71         | 7.659 | 7.643 | 7.678 | HH | 3581  | 54904  | 0.42% | 0.063% |
| 72         | 7.702 | 7.678 | 7.714 | HH | 2442  | 42634  | 0.33% | 0.049% |
| 73         | 7.747 | 7.714 | 7.781 | HH | 4293  | 122241 | 0.93% | 0.140% |
| 74         | 7.794 | 7.781 | 7.804 | HH | 2682  | 35084  | 0.27% | 0.040% |
| 75         | 7.819 | 7.804 | 7.839 | HH | 2998  | 54364  | 0.41% | 0.062% |
|            |       |       |       |    |       |        |       |        |
| 76         | 7.866 | 7.839 | 7.893 | HH | 4033  | 108409 | 0.83% | 0.124% |
| 77         | 7.906 | 7.893 | 7.924 | HH | 3852  | 61032  | 0.47% | 0.070% |
| 78         | 7.949 | 7.924 | 7.971 | HH | 4863  | 90448  | 0.69% | 0.103% |
| 79         | 7.997 | 7.971 | 8.017 | HH | 4460  | 91395  | 0.70% | 0.104% |
| 80         | 8.041 | 8.017 | 8.053 | HH | 6594  | 100868 | 0.77% | 0.115% |
|            |       |       |       |    |       |        |       |        |
| 81         | 8.059 | 8.053 | 8.089 | HH | 5505  | 84600  | 0.65% | 0.097% |
| 82         | 8.121 | 8.089 | 8.141 | HH | 7327  | 139567 | 1.06% | 0.160% |
| 83         | 8.151 | 8.141 | 8.167 | HH | 3262  | 47095  | 0.36% | 0.054% |
| 84         | 8.184 | 8.167 | 8.197 | HH | 3145  | 52443  | 0.40% | 0.060% |
| 85         | 8.233 | 8.197 | 8.250 | HH | 8173  | 165390 | 1.26% | 0.189% |
|            |       |       |       |    |       |        |       |        |
| 86         | 8.260 | 8.250 | 8.273 | HH | 5025  | 63072  | 0.48% | 0.072% |
| 87         | 8.300 | 8.273 | 8.332 | HH | 14023 | 261139 | 1.99% | 0.299% |
| 88         | 8.362 | 8.332 | 8.383 | HH | 8451  | 171502 | 1.31% | 0.196% |
| 89         | 8.413 | 8.383 | 8.435 | HH | 5238  | 134916 | 1.03% | 0.154% |

| rteres.txt |        |        |        |    |       |        |       |        |
|------------|--------|--------|--------|----|-------|--------|-------|--------|
| 90         | 8.470  | 8.435  | 8.507  | HH | 5707  | 180183 | 1.37% | 0.206% |
| 91         | 8.528  | 8.507  | 8.565  | HH | 6437  | 151438 | 1.15% | 0.173% |
| 92         | 8.596  | 8.565  | 8.618  | HH | 4223  | 110965 | 0.85% | 0.127% |
| 93         | 8.631  | 8.618  | 8.644  | HH | 3527  | 50501  | 0.39% | 0.058% |
| 94         | 8.680  | 8.644  | 8.691  | HH | 4674  | 113963 | 0.87% | 0.130% |
| 95         | 8.720  | 8.691  | 8.735  | HH | 4979  | 121717 | 0.93% | 0.139% |
| 96         | 8.752  | 8.735  | 8.779  | HH | 5736  | 136621 | 1.04% | 0.156% |
| 97         | 8.792  | 8.779  | 8.818  | HH | 5077  | 106766 | 0.81% | 0.122% |
| 98         | 8.839  | 8.818  | 8.866  | HH | 10452 | 184286 | 1.41% | 0.211% |
| 99         | 8.892  | 8.866  | 8.906  | HH | 4968  | 99793  | 0.76% | 0.114% |
| 100        | 8.916  | 8.906  | 8.936  | HH | 4219  | 72909  | 0.56% | 0.083% |
| 101        | 8.955  | 8.936  | 8.975  | HH | 5633  | 111587 | 0.85% | 0.128% |
| 102        | 8.990  | 8.975  | 9.010  | HH | 4968  | 90096  | 0.69% | 0.103% |
| 103        | 9.026  | 9.010  | 9.045  | HH | 4363  | 85886  | 0.65% | 0.098% |
| 104        | 9.076  | 9.045  | 9.094  | HH | 5403  | 141532 | 1.08% | 0.162% |
| 105        | 9.127  | 9.094  | 9.153  | HH | 21658 | 335611 | 2.56% | 0.384% |
| 106        | 9.168  | 9.153  | 9.195  | HH | 5563  | 116947 | 0.89% | 0.134% |
| 107        | 9.213  | 9.195  | 9.245  | HH | 5096  | 131549 | 1.00% | 0.150% |
| 108        | 9.282  | 9.245  | 9.301  | HH | 5048  | 145208 | 1.11% | 0.166% |
| 109        | 9.316  | 9.301  | 9.323  | HH | 4317  | 53138  | 0.41% | 0.061% |
| 110        | 9.334  | 9.323  | 9.347  | HH | 4547  | 58979  | 0.45% | 0.067% |
| 111        | 9.364  | 9.347  | 9.378  | HH | 5163  | 85463  | 0.65% | 0.098% |
| 112        | 9.387  | 9.378  | 9.398  | HH | 4363  | 48698  | 0.37% | 0.056% |
| 113        | 9.418  | 9.398  | 9.438  | HH | 5758  | 117723 | 0.90% | 0.135% |
| 114        | 9.458  | 9.438  | 9.475  | HH | 4684  | 96144  | 0.73% | 0.110% |
| 115        | 9.505  | 9.475  | 9.538  | HH | 8143  | 218156 | 1.66% | 0.249% |
| 116        | 9.548  | 9.538  | 9.560  | HH | 5088  | 67565  | 0.52% | 0.077% |
| 117        | 9.586  | 9.560  | 9.612  | HH | 7653  | 184758 | 1.41% | 0.211% |
| 118        | 9.634  | 9.612  | 9.653  | HH | 6274  | 129023 | 0.98% | 0.148% |
| 119        | 9.688  | 9.653  | 9.725  | HH | 6459  | 221317 | 1.69% | 0.253% |
| 120        | 9.743  | 9.725  | 9.768  | HH | 4562  | 110682 | 0.84% | 0.127% |
| 121        | 9.788  | 9.768  | 9.811  | HH | 4284  | 106613 | 0.81% | 0.122% |
| 122        | 9.869  | 9.811  | 9.887  | HH | 6400  | 247181 | 1.88% | 0.283% |
| 123        | 9.910  | 9.887  | 9.963  | HH | 25698 | 435715 | 3.32% | 0.498% |
| 124        | 9.992  | 9.963  | 10.003 | HH | 4738  | 110122 | 0.84% | 0.126% |
| 125        | 10.015 | 10.003 | 10.065 | HH | 5012  | 155952 | 1.19% | 0.178% |
| 126        | 10.090 | 10.065 | 10.112 | HH | 5149  | 125548 | 0.96% | 0.144% |
| 127        | 10.123 | 10.112 | 10.140 | HH | 4177  | 67619  | 0.52% | 0.077% |
| 128        | 10.186 | 10.140 | 10.208 | HH | 4818  | 173701 | 1.32% | 0.199% |
| 129        | 10.256 | 10.208 | 10.273 | HH | 6364  | 191552 | 1.46% | 0.219% |
| 130        | 10.302 | 10.273 | 10.331 | HH | 12719 | 280482 | 2.14% | 0.321% |
| 131        | 10.354 | 10.331 | 10.371 | HH | 6509  | 136626 | 1.04% | 0.156% |
| 132        | 10.389 | 10.371 | 10.414 | HH | 7717  | 155118 | 1.18% | 0.177% |
| 133        | 10.444 | 10.414 | 10.476 | HH | 7131  | 207213 | 1.58% | 0.237% |
| 134        | 10.500 | 10.476 | 10.513 | HH | 4843  | 99413  | 0.76% | 0.114% |
| 135        | 10.562 | 10.513 | 10.615 | HH | 5703  | 317035 | 2.42% | 0.362% |
| 136        | 10.652 | 10.615 | 10.688 | HH | 27321 | 463729 | 3.54% | 0.530% |
| 137        | 10.724 | 10.688 | 10.763 | HH | 12838 | 358897 | 2.74% | 0.410% |
| 138        | 10.777 | 10.763 | 10.808 | HH | 5654  | 132553 | 1.01% | 0.152% |
| 139        | 10.871 | 10.808 | 10.888 | HH | 4950  | 214611 | 1.64% | 0.245% |
| 140        | 10.915 | 10.888 | 10.958 | HH | 8396  | 249137 | 1.90% | 0.285% |
| 141        | 10.988 | 10.958 | 11.015 | HH | 7198  | 206686 | 1.58% | 0.236% |

|     |        |        |        |    | rteres.txt |          |         |         |
|-----|--------|--------|--------|----|------------|----------|---------|---------|
| 142 | 11.047 | 11.015 | 11.089 | HH | 7378       | 260942   | 1.99%   | 0.298%  |
| 143 | 11.110 | 11.089 | 11.144 | HH | 6507       | 174665   | 1.33%   | 0.200%  |
| 144 | 11.162 | 11.144 | 11.187 | HH | 6022       | 132330   | 1.01%   | 0.151%  |
| 145 | 11.219 | 11.187 | 11.243 | HH | 5189       | 162831   | 1.24%   | 0.186%  |
| 146 | 11.275 | 11.243 | 11.292 | HH | 5246       | 140952   | 1.07%   | 0.161%  |
| 147 | 11.310 | 11.292 | 11.325 | HH | 5181       | 97582    | 0.74%   | 0.112%  |
| 148 | 11.359 | 11.325 | 11.383 | HH | 24554      | 392289   | 2.99%   | 0.449%  |
| 149 | 11.405 | 11.383 | 11.420 | HH | 5800       | 123184   | 0.94%   | 0.141%  |
| 150 | 11.450 | 11.420 | 11.505 | HH | 11246      | 338031   | 2.58%   | 0.386%  |
| 151 | 11.515 | 11.505 | 11.535 | HH | 5082       | 87522    | 0.67%   | 0.100%  |
| 152 | 11.566 | 11.535 | 11.585 | HH | 5394       | 149151   | 1.14%   | 0.171%  |
| 153 | 11.605 | 11.585 | 11.629 | HH | 5541       | 133949   | 1.02%   | 0.153%  |
| 154 | 11.655 | 11.629 | 11.695 | HH | 6621       | 229027   | 1.75%   | 0.262%  |
| 155 | 11.718 | 11.695 | 11.735 | HH | 6900       | 144846   | 1.10%   | 0.166%  |
| 156 | 11.755 | 11.735 | 11.781 | HH | 8249       | 185312   | 1.41%   | 0.212%  |
| 157 | 11.795 | 11.781 | 11.823 | HH | 6226       | 142751   | 1.09%   | 0.163%  |
| 158 | 11.844 | 11.823 | 11.861 | HH | 7091       | 144103   | 1.10%   | 0.165%  |
| 159 | 11.871 | 11.861 | 11.885 | HH | 6173       | 82411    | 0.63%   | 0.094%  |
| 160 | 11.919 | 11.885 | 11.955 | HH | 8367       | 266786   | 2.03%   | 0.305%  |
| 161 | 11.971 | 11.955 | 11.988 | HH | 5567       | 106375   | 0.81%   | 0.122%  |
| 162 | 12.033 | 11.988 | 12.055 | HH | 21951      | 425834   | 3.25%   | 0.487%  |
| 163 | 12.086 | 12.055 | 12.116 | HH | 290681     | 3387056  | 25.83%  | 3.872%  |
| 164 | 12.127 | 12.116 | 12.153 | HH | 6747       | 130430   | 0.99%   | 0.149%  |
| 165 | 12.165 | 12.153 | 12.179 | HH | 5302       | 81309    | 0.62%   | 0.093%  |
| 166 | 12.191 | 12.179 | 12.210 | HH | 5284       | 92856    | 0.71%   | 0.106%  |
| 167 | 12.231 | 12.210 | 12.242 | HH | 5466       | 98423    | 0.75%   | 0.113%  |
| 168 | 12.277 | 12.242 | 12.297 | HH | 12662      | 252364   | 1.92%   | 0.289%  |
| 169 | 12.308 | 12.297 | 12.326 | HH | 6459       | 105356   | 0.80%   | 0.120%  |
| 170 | 12.337 | 12.326 | 12.357 | HH | 5981       | 108362   | 0.83%   | 0.124%  |
| 171 | 12.373 | 12.357 | 12.386 | HH | 5950       | 94744    | 0.72%   | 0.108%  |
| 172 | 12.409 | 12.386 | 12.430 | HH | 6572       | 163556   | 1.25%   | 0.187%  |
| 173 | 12.448 | 12.430 | 12.481 | HH | 7218       | 184406   | 1.41%   | 0.211%  |
| 174 | 12.503 | 12.481 | 12.510 | HH | 6561       | 105188   | 0.80%   | 0.120%  |
| 175 | 12.525 | 12.510 | 12.538 | HH | 6667       | 107895   | 0.82%   | 0.123%  |
| 176 | 12.555 | 12.538 | 12.581 | HH | 8216       | 172046   | 1.31%   | 0.197%  |
| 177 | 12.616 | 12.581 | 12.645 | HH | 8669       | 261087   | 1.99%   | 0.299%  |
| 178 | 12.676 | 12.645 | 12.710 | HH | 20240      | 414687   | 3.16%   | 0.474%  |
| 179 | 12.742 | 12.710 | 12.785 | HH | 11874      | 350473   | 2.67%   | 0.401%  |
| 180 | 12.794 | 12.785 | 12.803 | HH | 5432       | 55104    | 0.42%   | 0.063%  |
| 181 | 12.823 | 12.803 | 12.838 | HH | 5611       | 116306   | 0.89%   | 0.133%  |
| 182 | 12.853 | 12.838 | 12.879 | HH | 5735       | 140273   | 1.07%   | 0.160%  |
| 183 | 12.894 | 12.879 | 12.908 | HH | 5751       | 95785    | 0.73%   | 0.110%  |
| 184 | 12.933 | 12.908 | 12.961 | HH | 6835       | 197205   | 1.50%   | 0.225%  |
| 185 | 12.985 | 12.961 | 13.018 | HH | 8530       | 235415   | 1.80%   | 0.269%  |
| 186 | 13.043 | 13.018 | 13.061 | HH | 12728      | 229701   | 1.75%   | 0.263%  |
| 187 | 13.118 | 13.061 | 13.148 | HH | 925483     | 13114181 | 100.00% | 14.994% |
| 188 | 13.173 | 13.148 | 13.246 | HH | 622595     | 8671664  | 66.12%  | 9.914%  |
| 189 | 13.260 | 13.246 | 13.270 | HH | 7979       | 107015   | 0.82%   | 0.122%  |
| 190 | 13.292 | 13.270 | 13.316 | HH | 18246      | 339044   | 2.59%   | 0.388%  |
| 191 | 13.346 | 13.316 | 13.372 | HH | 129581     | 1656514  | 12.63%  | 1.894%  |
| 192 | 13.386 | 13.372 | 13.396 | HH | 13486      | 175787   | 1.34%   | 0.201%  |
| 193 | 13.405 | 13.396 | 13.423 | HH | 13252      | 183829   | 1.40%   | 0.210%  |
| 194 | 13.438 | 13.423 | 13.458 | HH | 11483      | 204217   | 1.56%   | 0.233%  |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 13.467 | 13.458 | 13.492 | HH | 8140       | 155937  | 1.19%  | 0.178% |
| 196 | 13.523 | 13.492 | 13.581 | HH | 10085      | 460208  | 3.51%  | 0.526% |
| 197 | 13.597 | 13.581 | 13.608 | HH | 8468       | 129050  | 0.98%  | 0.148% |
| 198 | 13.641 | 13.608 | 13.669 | HH | 35545      | 644113  | 4.91%  | 0.736% |
| 199 | 13.684 | 13.669 | 13.705 | HH | 8978       | 177501  | 1.35%  | 0.203% |
| 200 | 13.720 | 13.705 | 13.732 | HH | 9644       | 149703  | 1.14%  | 0.171% |
| 201 | 13.755 | 13.732 | 13.776 | HH | 14006      | 286244  | 2.18%  | 0.327% |
| 202 | 13.784 | 13.776 | 13.806 | HH | 9354       | 162983  | 1.24%  | 0.186% |
| 203 | 13.830 | 13.806 | 13.853 | HH | 9616       | 243114  | 1.85%  | 0.278% |
| 204 | 13.882 | 13.853 | 13.902 | HH | 19740      | 408433  | 3.11%  | 0.467% |
| 205 | 13.921 | 13.902 | 13.951 | HH | 18487      | 430440  | 3.28%  | 0.492% |
| 206 | 13.991 | 13.951 | 14.038 | HH | 18818      | 686371  | 5.23%  | 0.785% |
| 207 | 14.056 | 14.038 | 14.067 | HH | 8731       | 149014  | 1.14%  | 0.170% |
| 208 | 14.146 | 14.067 | 14.154 | HH | 26039      | 706250  | 5.39%  | 0.807% |
| 209 | 14.165 | 14.154 | 14.173 | HH | 26832      | 289142  | 2.20%  | 0.331% |
| 210 | 14.184 | 14.173 | 14.215 | HH | 28533      | 492449  | 3.76%  | 0.563% |
| 211 | 14.294 | 14.215 | 14.312 | HH | 15676      | 727623  | 5.55%  | 0.832% |
| 212 | 14.338 | 14.312 | 14.390 | HH | 20214      | 683169  | 5.21%  | 0.781% |
| 213 | 14.404 | 14.390 | 14.417 | HH | 11680      | 186551  | 1.42%  | 0.213% |
| 214 | 14.447 | 14.417 | 14.473 | HH | 20000      | 488524  | 3.73%  | 0.559% |
| 215 | 14.504 | 14.473 | 14.536 | HH | 27498      | 644442  | 4.91%  | 0.737% |
| 216 | 14.564 | 14.536 | 14.588 | HH | 19635      | 459919  | 3.51%  | 0.526% |
| 217 | 14.616 | 14.588 | 14.638 | HH | 18105      | 427219  | 3.26%  | 0.488% |
| 218 | 14.659 | 14.638 | 14.717 | HH | 12884      | 556181  | 4.24%  | 0.636% |
| 219 | 14.739 | 14.717 | 14.751 | HH | 12119      | 238340  | 1.82%  | 0.272% |
| 220 | 14.786 | 14.751 | 14.856 | HH | 27360      | 962384  | 7.34%  | 1.100% |
| 221 | 14.881 | 14.856 | 14.891 | HH | 13562      | 268174  | 2.04%  | 0.307% |
| 222 | 14.981 | 14.891 | 15.021 | HH | 31132      | 1427355 | 10.88% | 1.632% |
| 223 | 15.045 | 15.021 | 15.061 | HH | 14044      | 325164  | 2.48%  | 0.372% |
| 224 | 15.104 | 15.061 | 15.120 | HH | 14309      | 501871  | 3.83%  | 0.574% |
| 225 | 15.140 | 15.120 | 15.160 | HH | 15042      | 336577  | 2.57%  | 0.385% |
| 226 | 15.180 | 15.160 | 15.215 | HH | 14605      | 457994  | 3.49%  | 0.524% |
| 227 | 15.253 | 15.215 | 15.279 | HH | 14804      | 557169  | 4.25%  | 0.637% |
| 228 | 15.301 | 15.279 | 15.318 | HH | 14886      | 341955  | 2.61%  | 0.391% |
| 229 | 15.335 | 15.318 | 15.350 | HH | 15943      | 298523  | 2.28%  | 0.341% |
| 230 | 15.373 | 15.350 | 15.412 | HH | 18782      | 613698  | 4.68%  | 0.702% |
| 231 | 15.423 | 15.412 | 15.438 | HH | 15582      | 238754  | 1.82%  | 0.273% |
| 232 | 15.453 | 15.438 | 15.471 | HH | 15369      | 299428  | 2.28%  | 0.342% |
| 233 | 15.515 | 15.471 | 15.550 | HH | 21743      | 843577  | 6.43%  | 0.964% |
| 234 | 15.572 | 15.550 | 15.595 | HH | 25363      | 547736  | 4.18%  | 0.626% |
| 235 | 15.609 | 15.595 | 15.634 | HH | 17819      | 400587  | 3.05%  | 0.458% |
| 236 | 15.653 | 15.634 | 15.679 | HH | 17561      | 462995  | 3.53%  | 0.529% |
| 237 | 15.698 | 15.679 | 15.714 | HH | 17319      | 354984  | 2.71%  | 0.406% |
| 238 | 15.783 | 15.714 | 15.818 | HH | 18799      | 1125331 | 8.58%  | 1.287% |
| 239 | 15.840 | 15.818 | 15.851 | HH | 18440      | 360013  | 2.75%  | 0.412% |
| 240 | 15.906 | 15.851 | 15.925 | HH | 19623      | 828251  | 6.32%  | 0.947% |
| 241 | 15.946 | 15.925 | 15.962 | HH | 19812      | 428370  | 3.27%  | 0.490% |
| 242 | 16.017 | 15.962 | 16.045 | HH | 26268      | 1076321 | 8.21%  | 1.231% |
| 243 | 16.075 | 16.045 | 16.098 | HH | 22069      | 691805  | 5.28%  | 0.791% |
| 244 | 16.111 | 16.098 | 16.123 | HH | 21228      | 304800  | 2.32%  | 0.348% |
| 245 | 16.144 | 16.123 | 16.161 | HH | 21356      | 487246  | 3.72%  | 0.557% |
| 246 | 16.189 | 16.161 | 16.208 | HH | 26171      | 673238  | 5.13%  | 0.770% |

|     |        |        |        |     | rteres.txt |         |        |        |
|-----|--------|--------|--------|-----|------------|---------|--------|--------|
| 247 | 16.222 | 16.208 | 16.278 | HH  | 27928      | 1033804 | 7.88%  | 1.182% |
| 248 | 16.321 | 16.278 | 16.348 | HH  | 25073      | 1013302 | 7.73%  | 1.159% |
| 249 | 16.388 | 16.348 | 16.398 | HH  | 25972      | 761951  | 5.81%  | 0.871% |
| 250 | 16.407 | 16.398 | 16.421 | HH  | 25773      | 352690  | 2.69%  | 0.403% |
| 251 | 16.424 | 16.421 | 16.444 | HH  | 25798      | 340385  | 2.60%  | 0.389% |
| 252 | 16.503 | 16.444 | 16.545 | HH  | 35448      | 1693316 | 12.91% | 1.936% |
| 253 | 16.564 | 16.545 | 16.583 | HH  | 29375      | 652359  | 4.97%  | 0.746% |
| 254 | 16.635 | 16.583 | 16.651 | HH  | 29427      | 1157592 | 8.83%  | 1.323% |
| 255 | 16.663 | 16.651 | 16.688 | HH  | 29083      | 634907  | 4.84%  | 0.726% |
| 256 | 16.725 | 16.688 | 16.759 | HH  | 30245      | 1250532 | 9.54%  | 1.430% |
| 257 | 16.824 | 16.759 | 16.840 | HH  | 33933      | 1524453 | 11.62% | 1.743% |
| 258 | 16.858 | 16.840 | 16.915 | HH  | 34690      | 1496043 | 11.41% | 1.710% |
| 259 | 16.973 | 16.915 | 16.994 | HH  | 40960      | 1664662 | 12.69% | 1.903% |
| 260 | 17.012 | 16.994 | 17.021 | HHA | 37120      | 634172  | 4.84%  | 0.725% |

Sum of corrected areas: 87465622

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