

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF101518\  
 Data File : FF002413.D  
 Signal(s) : FID2B.ch  
 Acq On : 15 Oct 2018 14:19  
 Sample : J5198-19MS 10X  
 Misc :  
 ALS Vial : 58 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF101218.M  
 Title :

Signal : FID2B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.384       | 4.352        | 4.414      | BH       | 22270          | 199563       | 11.41%         | 0.417%        |
| 2         | 4.427       | 4.414        | 4.438      | HH       | 142            | 485          | 0.03%          | 0.001%        |
| 3         | 4.455       | 4.438        | 4.468      | PH       | 137            | 292          | 0.02%          | 0.001%        |
| 4         | 4.486       | 4.468        | 4.491      | PH       | 176            | 1098         | 0.06%          | 0.002%        |
| 5         | 4.494       | 4.491        | 4.510      | HH       | 134            | 296          | 0.02%          | 0.001%        |
| 6         | 4.533       | 4.510        | 4.570      | PH       | 251            | 3356         | 0.19%          | 0.007%        |
| 7         | 4.596       | 4.570        | 4.617      | HH       | 336            | 6219         | 0.36%          | 0.013%        |
| 8         | 4.621       | 4.617        | 4.625      | HH       | 189            | 703          | 0.04%          | 0.001%        |
| 9         | 4.638       | 4.625        | 4.657      | HH       | 383            | 3707         | 0.21%          | 0.008%        |
| 10        | 4.666       | 4.657        | 4.684      | HH       | 194            | 1697         | 0.10%          | 0.004%        |
| 11        | 4.691       | 4.684        | 4.708      | PH       | 75             | 456          | 0.03%          | 0.001%        |
| 12        | 4.716       | 4.708        | 4.740      | HH       | 129            | 1141         | 0.07%          | 0.002%        |
| 13        | 4.760       | 4.740        | 4.777      | PH       | 119            | 930          | 0.05%          | 0.002%        |
| 14        | 4.795       | 4.777        | 4.816      | PH       | 266            | 2390         | 0.14%          | 0.005%        |
| 15        | 4.831       | 4.816        | 4.837      | PH       | -3             | -400         | -0.02%         | -0.001%       |
| 16        | 4.859       | 4.837        | 4.880      | PH       | 266            | 1315         | 0.08%          | 0.003%        |
| 17        | 4.901       | 4.880        | 4.905      | PH       | -14            | -925         | -0.05%         | -0.002%       |
| 18        | 4.919       | 4.905        | 4.925      | PH       | -11            | -375         | -0.02%         | -0.001%       |
| 19        | 4.938       | 4.925        | 4.964      | PH       | 19             | -1686        | -0.10%         | -0.004%       |
| 20        | 4.975       | 4.964        | 4.982      | PH       | -33            | -772         | -0.04%         | -0.002%       |
| 21        | 5.025       | 4.982        | 5.055      | PH       | 51             | -1154        | -0.07%         | -0.002%       |
| 22        | 5.077       | 5.055        | 5.089      | PH       | 96             | 137          | 0.01%          | 0.000%        |
| 23        | 5.107       | 5.089        | 5.115      | PH       | 217            | 1201         | 0.07%          | 0.003%        |
| 24        | 5.124       | 5.115        | 5.142      | HH       | 258            | 1863         | 0.11%          | 0.004%        |
| 25        | 5.153       | 5.142        | 5.171      | PH       | 75             | -701         | -0.04%         | -0.001%       |
| 26        | 5.187       | 5.171        | 5.213      | PH       | 11             | -1426        | -0.08%         | -0.003%       |
| 27        | 5.225       | 5.213        | 5.233      | PH       | 96             | 404          | 0.02%          | 0.001%        |
| 28        | 5.243       | 5.233        | 5.261      | HH       | 242            | 1779         | 0.10%          | 0.004%        |
| 29        | 5.265       | 5.261        | 5.271      | PH       | 52             | -40          | -0.00%         | -0.000%       |
| 30        | 5.285       | 5.271        | 5.300      | PH       | 106            | 583          | 0.03%          | 0.001%        |
| 31        | 5.315       | 5.300        | 5.332      | PH       | 257            | 2152         | 0.12%          | 0.004%        |
| 32        | 5.345       | 5.332        | 5.392      | PH       | 23             | -1325        | -0.08%         | -0.003%       |
| 33        | 5.423       | 5.392        | 5.437      | PH       | 552            | 4197         | 0.24%          | 0.009%        |
| 34        | 5.448       | 5.437        | 5.465      | HH       | 343            | 3100         | 0.18%          | 0.006%        |
| 35        | 5.486       | 5.465        | 5.502      | PH       | 164            | 1032         | 0.06%          | 0.002%        |
| 36        | 5.503       | 5.502        | 5.508      | PH       | 32             | -116         | -0.01%         | -0.000%       |

| rteres.txt |       |       |       |    |       |        |        |         |
|------------|-------|-------|-------|----|-------|--------|--------|---------|
| 37         | 5.512 | 5.508 | 5.532 | PH | 6     | -595   | -0.03% | -0.001% |
| 38         | 5.541 | 5.532 | 5.549 | PH | 80    | 18     | 0.00%  | 0.000%  |
| 39         | 5.553 | 5.549 | 5.559 | PH | 11    | -79    | -0.00% | -0.000% |
| 40         | 5.563 | 5.559 | 5.568 | PH | 4     | -136   | -0.01% | -0.000% |
| 41         | 5.607 | 5.568 | 5.634 | PH | 734   | 8218   | 0.47%  | 0.017%  |
| 42         | 5.654 | 5.634 | 5.692 | PH | 90    | 1457   | 0.08%  | 0.003%  |
| 43         | 5.721 | 5.692 | 5.743 | HH | 405   | 5561   | 0.32%  | 0.012%  |
| 44         | 5.753 | 5.743 | 5.761 | PH | 62    | 71     | 0.00%  | 0.000%  |
| 45         | 5.768 | 5.761 | 5.784 | PH | 70    | 419    | 0.02%  | 0.001%  |
| 46         | 5.794 | 5.784 | 5.804 | PH | 58    | 269    | 0.02%  | 0.001%  |
| 47         | 5.834 | 5.804 | 5.861 | PH | 149   | 894    | 0.05%  | 0.002%  |
| 48         | 5.877 | 5.861 | 5.899 | PH | 182   | 889    | 0.05%  | 0.002%  |
| 49         | 5.938 | 5.899 | 5.956 | PH | 419   | 5909   | 0.34%  | 0.012%  |
| 50         | 5.974 | 5.956 | 6.005 | HH | 672   | 9561   | 0.55%  | 0.020%  |
| 51         | 6.020 | 6.005 | 6.039 | HH | 389   | 4592   | 0.26%  | 0.010%  |
| 52         | 6.074 | 6.039 | 6.092 | HH | 481   | 8132   | 0.47%  | 0.017%  |
| 53         | 6.125 | 6.092 | 6.140 | HH | 584   | 9960   | 0.57%  | 0.021%  |
| 54         | 6.149 | 6.140 | 6.179 | HH | 493   | 8325   | 0.48%  | 0.017%  |
| 55         | 6.184 | 6.179 | 6.197 | HH | 285   | 2438   | 0.14%  | 0.005%  |
| 56         | 6.215 | 6.197 | 6.234 | HH | 517   | 6738   | 0.39%  | 0.014%  |
| 57         | 6.254 | 6.234 | 6.269 | HH | 472   | 7538   | 0.43%  | 0.016%  |
| 58         | 6.290 | 6.269 | 6.302 | HH | 554   | 7973   | 0.46%  | 0.017%  |
| 59         | 6.309 | 6.302 | 6.314 | HH | 388   | 2375   | 0.14%  | 0.005%  |
| 60         | 6.329 | 6.314 | 6.349 | HH | 572   | 9815   | 0.56%  | 0.021%  |
| 61         | 6.361 | 6.349 | 6.376 | HH | 611   | 7886   | 0.45%  | 0.016%  |
| 62         | 6.404 | 6.376 | 6.450 | HH | 22959 | 240611 | 13.76% | 0.503%  |
| 63         | 6.459 | 6.450 | 6.477 | HH | 357   | 4672   | 0.27%  | 0.010%  |
| 64         | 6.498 | 6.477 | 6.505 | HH | 482   | 5812   | 0.33%  | 0.012%  |
| 65         | 6.523 | 6.505 | 6.531 | HH | 673   | 7869   | 0.45%  | 0.016%  |
| 66         | 6.554 | 6.531 | 6.571 | HH | 1505  | 22001  | 1.26%  | 0.046%  |
| 67         | 6.595 | 6.571 | 6.617 | HH | 1282  | 20845  | 1.19%  | 0.044%  |
| 68         | 6.627 | 6.617 | 6.642 | HH | 412   | 4689   | 0.27%  | 0.010%  |
| 69         | 6.675 | 6.642 | 6.699 | HH | 758   | 15675  | 0.90%  | 0.033%  |
| 70         | 6.728 | 6.699 | 6.755 | HH | 876   | 21502  | 1.23%  | 0.045%  |
| 71         | 6.766 | 6.755 | 6.778 | HH | 633   | 7471   | 0.43%  | 0.016%  |
| 72         | 6.802 | 6.778 | 6.822 | HH | 803   | 16174  | 0.92%  | 0.034%  |
| 73         | 6.869 | 6.822 | 6.887 | HH | 932   | 24291  | 1.39%  | 0.051%  |
| 74         | 6.903 | 6.887 | 6.920 | HH | 1403  | 20649  | 1.18%  | 0.043%  |
| 75         | 6.926 | 6.920 | 6.945 | HH | 1167  | 14152  | 0.81%  | 0.030%  |
| 76         | 6.963 | 6.945 | 6.990 | HH | 1477  | 25787  | 1.47%  | 0.054%  |
| 77         | 7.023 | 6.990 | 7.047 | HH | 1668  | 38016  | 2.17%  | 0.079%  |
| 78         | 7.062 | 7.047 | 7.087 | HH | 1294  | 20937  | 1.20%  | 0.044%  |
| 79         | 7.106 | 7.087 | 7.144 | HH | 2786  | 51656  | 2.95%  | 0.108%  |
| 80         | 7.160 | 7.144 | 7.185 | HH | 1757  | 26832  | 1.53%  | 0.056%  |
| 81         | 7.205 | 7.185 | 7.225 | HH | 1431  | 25585  | 1.46%  | 0.053%  |
| 82         | 7.232 | 7.225 | 7.267 | HH | 1039  | 20732  | 1.19%  | 0.043%  |
| 83         | 7.297 | 7.267 | 7.302 | HH | 1194  | 20898  | 1.20%  | 0.044%  |
| 84         | 7.327 | 7.302 | 7.359 | HH | 3131  | 55345  | 3.16%  | 0.116%  |
| 85         | 7.379 | 7.359 | 7.390 | HH | 1057  | 17315  | 0.99%  | 0.036%  |
| 86         | 7.417 | 7.390 | 7.430 | HH | 1085  | 23169  | 1.32%  | 0.048%  |
| 87         | 7.460 | 7.430 | 7.475 | HH | 1127  | 27492  | 1.57%  | 0.057%  |
| 88         | 7.503 | 7.475 | 7.534 | HH | 1958  | 47581  | 2.72%  | 0.099%  |
| 89         | 7.547 | 7.534 | 7.574 | HH | 1031  | 20161  | 1.15%  | 0.042%  |

|     |       |       |       |    |            |        |        |        |
|-----|-------|-------|-------|----|------------|--------|--------|--------|
|     |       |       |       |    | rteres.txt |        |        |        |
| 90  | 7.587 | 7.574 | 7.597 | HH | 1012       | 12119  | 0.69%  | 0.025% |
| 91  | 7.617 | 7.597 | 7.646 | HH | 1663       | 38038  | 2.18%  | 0.079% |
| 92  | 7.664 | 7.646 | 7.682 | HH | 1440       | 27104  | 1.55%  | 0.057% |
| 93  | 7.687 | 7.682 | 7.699 | HH | 1062       | 10065  | 0.58%  | 0.021% |
| 94  | 7.703 | 7.699 | 7.725 | HH | 1070       | 16003  | 0.92%  | 0.033% |
| 95  | 7.754 | 7.725 | 7.774 | HH | 1968       | 45033  | 2.58%  | 0.094% |
| 96  | 7.783 | 7.774 | 7.799 | HH | 1602       | 22391  | 1.28%  | 0.047% |
| 97  | 7.805 | 7.799 | 7.828 | HH | 1577       | 22345  | 1.28%  | 0.047% |
| 98  | 7.846 | 7.828 | 7.865 | HH | 1672       | 28851  | 1.65%  | 0.060% |
| 99  | 7.895 | 7.865 | 7.917 | HH | 2124       | 51012  | 2.92%  | 0.107% |
| 100 | 7.939 | 7.917 | 7.985 | HH | 2276       | 66511  | 3.80%  | 0.139% |
| 101 | 8.018 | 7.985 | 8.055 | HH | 4252       | 90650  | 5.18%  | 0.189% |
| 102 | 8.077 | 8.055 | 8.095 | HH | 1933       | 38753  | 2.22%  | 0.081% |
| 103 | 8.119 | 8.095 | 8.135 | HH | 2638       | 47352  | 2.71%  | 0.099% |
| 104 | 8.148 | 8.135 | 8.163 | HH | 2174       | 30661  | 1.75%  | 0.064% |
| 105 | 8.196 | 8.163 | 8.222 | HH | 24995      | 307627 | 17.59% | 0.643% |
| 106 | 8.252 | 8.222 | 8.279 | HH | 6732       | 108467 | 6.20%  | 0.227% |
| 107 | 8.281 | 8.279 | 8.285 | HH | 2093       | 8119   | 0.46%  | 0.017% |
| 108 | 8.302 | 8.285 | 8.334 | HH | 2844       | 61435  | 3.51%  | 0.128% |
| 109 | 8.359 | 8.334 | 8.383 | HH | 4648       | 82824  | 4.74%  | 0.173% |
| 110 | 8.389 | 8.383 | 8.405 | HH | 1825       | 22522  | 1.29%  | 0.047% |
| 111 | 8.414 | 8.405 | 8.430 | HH | 1778       | 23749  | 1.36%  | 0.050% |
| 112 | 8.449 | 8.430 | 8.456 | HH | 1887       | 25805  | 1.48%  | 0.054% |
| 113 | 8.463 | 8.456 | 8.512 | HH | 1852       | 51578  | 2.95%  | 0.108% |
| 114 | 8.555 | 8.512 | 8.567 | HH | 2006       | 51349  | 2.94%  | 0.107% |
| 115 | 8.597 | 8.567 | 8.631 | HH | 3683       | 89209  | 5.10%  | 0.186% |
| 116 | 8.655 | 8.631 | 8.679 | HH | 3878       | 73615  | 4.21%  | 0.154% |
| 117 | 8.692 | 8.679 | 8.703 | HH | 2326       | 30792  | 1.76%  | 0.064% |
| 118 | 8.732 | 8.703 | 8.759 | HH | 5009       | 104889 | 6.00%  | 0.219% |
| 119 | 8.762 | 8.759 | 8.766 | HH | 1690       | 7386   | 0.42%  | 0.015% |
| 120 | 8.784 | 8.766 | 8.800 | HH | 1961       | 35493  | 2.03%  | 0.074% |
| 121 | 8.815 | 8.800 | 8.825 | HH | 2126       | 28520  | 1.63%  | 0.060% |
| 122 | 8.843 | 8.825 | 8.854 | HH | 2239       | 34682  | 1.98%  | 0.072% |
| 123 | 8.873 | 8.854 | 8.895 | HH | 2702       | 53932  | 3.08%  | 0.113% |
| 124 | 8.914 | 8.895 | 8.952 | HH | 3172       | 77696  | 4.44%  | 0.162% |
| 125 | 8.958 | 8.952 | 8.976 | HH | 1965       | 26732  | 1.53%  | 0.056% |
| 126 | 8.988 | 8.976 | 8.992 | HH | 1835       | 16314  | 0.93%  | 0.034% |
| 127 | 9.017 | 8.992 | 9.037 | HH | 4578       | 81060  | 4.64%  | 0.169% |
| 128 | 9.048 | 9.037 | 9.079 | HH | 2333       | 47006  | 2.69%  | 0.098% |
| 129 | 9.086 | 9.079 | 9.090 | HH | 1515       | 10335  | 0.59%  | 0.022% |
| 130 | 9.104 | 9.090 | 9.131 | HH | 1896       | 38576  | 2.21%  | 0.081% |
| 131 | 9.162 | 9.131 | 9.182 | HH | 2091       | 50667  | 2.90%  | 0.106% |
| 132 | 9.197 | 9.182 | 9.207 | HH | 1755       | 23992  | 1.37%  | 0.050% |
| 133 | 9.212 | 9.207 | 9.219 | HH | 1671       | 11213  | 0.64%  | 0.023% |
| 134 | 9.222 | 9.219 | 9.232 | HH | 1719       | 12655  | 0.72%  | 0.026% |
| 135 | 9.243 | 9.232 | 9.275 | HH | 1721       | 40403  | 2.31%  | 0.084% |
| 136 | 9.279 | 9.275 | 9.284 | HH | 1565       | 7670   | 0.44%  | 0.016% |
| 137 | 9.300 | 9.284 | 9.319 | HH | 2138       | 37570  | 2.15%  | 0.078% |
| 138 | 9.326 | 9.319 | 9.361 | HH | 1812       | 42336  | 2.42%  | 0.088% |
| 139 | 9.383 | 9.361 | 9.404 | HH | 4364       | 74961  | 4.29%  | 0.157% |
| 140 | 9.407 | 9.404 | 9.443 | HH | 2698       | 45136  | 2.58%  | 0.094% |
| 141 | 9.464 | 9.443 | 9.508 | HH | 2636       | 77022  | 4.40%  | 0.161% |

| rteres.txt |        |        |        |    |       |        |        |        |
|------------|--------|--------|--------|----|-------|--------|--------|--------|
| 142        | 9.526  | 9.508  | 9.546  | HH | 2183  | 41271  | 2.36%  | 0.086% |
| 143        | 9.565  | 9.546  | 9.617  | HH | 1922  | 69320  | 3.96%  | 0.145% |
| 144        | 9.639  | 9.617  | 9.662  | HH | 1394  | 34307  | 1.96%  | 0.072% |
| 145        | 9.667  | 9.662  | 9.672  | HH | 1183  | 6984   | 0.40%  | 0.015% |
|            |        |        |        |    |       |        |        |        |
| 146        | 9.705  | 9.672  | 9.724  | HH | 1763  | 43598  | 2.49%  | 0.091% |
| 147        | 9.733  | 9.724  | 9.769  | HH | 1594  | 40784  | 2.33%  | 0.085% |
| 148        | 9.796  | 9.769  | 9.845  | HH | 23660 | 303849 | 17.37% | 0.635% |
| 149        | 9.862  | 9.845  | 9.889  | HH | 1366  | 34067  | 1.95%  | 0.071% |
| 150        | 9.902  | 9.889  | 9.945  | HH | 1457  | 39981  | 2.29%  | 0.084% |
|            |        |        |        |    |       |        |        |        |
| 151        | 9.964  | 9.945  | 9.994  | HH | 1362  | 34383  | 1.97%  | 0.072% |
| 152        | 10.007 | 9.994  | 10.019 | HH | 1102  | 15756  | 0.90%  | 0.033% |
| 153        | 10.030 | 10.019 | 10.055 | HH | 1139  | 23251  | 1.33%  | 0.049% |
| 154        | 10.068 | 10.055 | 10.089 | HH | 1130  | 21544  | 1.23%  | 0.045% |
| 155        | 10.137 | 10.089 | 10.157 | HH | 1379  | 48991  | 2.80%  | 0.102% |
|            |        |        |        |    |       |        |        |        |
| 156        | 10.185 | 10.157 | 10.209 | HH | 2724  | 58370  | 3.34%  | 0.122% |
| 157        | 10.234 | 10.209 | 10.246 | HH | 1826  | 34604  | 1.98%  | 0.072% |
| 158        | 10.262 | 10.246 | 10.287 | HH | 2279  | 46585  | 2.66%  | 0.097% |
| 159        | 10.301 | 10.287 | 10.320 | HH | 1956  | 33001  | 1.89%  | 0.069% |
| 160        | 10.333 | 10.320 | 10.359 | HH | 1534  | 31005  | 1.77%  | 0.065% |
|            |        |        |        |    |       |        |        |        |
| 161        | 10.378 | 10.359 | 10.415 | HH | 1820  | 49100  | 2.81%  | 0.103% |
| 162        | 10.439 | 10.415 | 10.474 | HH | 1494  | 48040  | 2.75%  | 0.100% |
| 163        | 10.481 | 10.474 | 10.502 | HH | 1365  | 22458  | 1.28%  | 0.047% |
| 164        | 10.537 | 10.502 | 10.565 | HH | 2866  | 72186  | 4.13%  | 0.151% |
| 165        | 10.609 | 10.565 | 10.673 | HH | 3598  | 129363 | 7.40%  | 0.270% |
|            |        |        |        |    |       |        |        |        |
| 166        | 10.680 | 10.673 | 10.701 | HH | 1312  | 20391  | 1.17%  | 0.043% |
| 167        | 10.781 | 10.701 | 10.834 | HH | 14932 | 251635 | 14.39% | 0.526% |
| 168        | 10.856 | 10.834 | 10.897 | HH | 5504  | 97691  | 5.59%  | 0.204% |
| 169        | 10.928 | 10.897 | 10.945 | HH | 1518  | 40005  | 2.29%  | 0.084% |
| 170        | 10.954 | 10.945 | 10.977 | HH | 1359  | 24702  | 1.41%  | 0.052% |
|            |        |        |        |    |       |        |        |        |
| 171        | 10.991 | 10.977 | 11.033 | HH | 1306  | 41964  | 2.40%  | 0.088% |
| 172        | 11.044 | 11.033 | 11.055 | HH | 1342  | 16515  | 0.94%  | 0.035% |
| 173        | 11.094 | 11.055 | 11.114 | HH | 1538  | 49009  | 2.80%  | 0.102% |
| 174        | 11.140 | 11.114 | 11.162 | HH | 1407  | 37722  | 2.16%  | 0.079% |
| 175        | 11.179 | 11.162 | 11.194 | HH | 1594  | 28131  | 1.61%  | 0.059% |
|            |        |        |        |    |       |        |        |        |
| 176        | 11.239 | 11.194 | 11.290 | HH | 20615 | 309363 | 17.69% | 0.646% |
| 177        | 11.327 | 11.290 | 11.359 | HH | 2464  | 79294  | 4.53%  | 0.166% |
| 178        | 11.378 | 11.359 | 11.404 | HH | 1545  | 39508  | 2.26%  | 0.083% |
| 179        | 11.435 | 11.404 | 11.460 | HH | 2347  | 57679  | 3.30%  | 0.121% |
| 180        | 11.482 | 11.460 | 11.509 | HH | 1774  | 45065  | 2.58%  | 0.094% |
|            |        |        |        |    |       |        |        |        |
| 181        | 11.534 | 11.509 | 11.558 | HH | 1749  | 48289  | 2.76%  | 0.101% |
| 182        | 11.586 | 11.558 | 11.600 | HH | 3601  | 63434  | 3.63%  | 0.133% |
| 183        | 11.616 | 11.600 | 11.657 | HH | 4112  | 81947  | 4.69%  | 0.171% |
| 184        | 11.700 | 11.657 | 11.719 | HH | 5517  | 115666 | 6.61%  | 0.242% |
| 185        | 11.733 | 11.719 | 11.748 | HH | 3497  | 52589  | 3.01%  | 0.110% |
|            |        |        |        |    |       |        |        |        |
| 186        | 11.764 | 11.748 | 11.816 | HH | 3689  | 93631  | 5.35%  | 0.196% |
| 187        | 11.845 | 11.816 | 11.859 | HH | 1896  | 44485  | 2.54%  | 0.093% |
| 188        | 11.910 | 11.859 | 11.935 | HH | 2673  | 102385 | 5.85%  | 0.214% |
| 189        | 11.947 | 11.935 | 11.968 | HH | 2098  | 40575  | 2.32%  | 0.085% |
| 190        | 11.988 | 11.968 | 12.009 | HH | 2417  | 51183  | 2.93%  | 0.107% |
|            |        |        |        |    |       |        |        |        |
| 191        | 12.057 | 12.009 | 12.077 | HH | 3086  | 96683  | 5.53%  | 0.202% |
| 192        | 12.086 | 12.077 | 12.100 | HH | 2404  | 31921  | 1.83%  | 0.067% |
| 193        | 12.121 | 12.100 | 12.135 | HH | 2806  | 53324  | 3.05%  | 0.111% |
| 194        | 12.151 | 12.135 | 12.199 | HH | 9876  | 169853 | 9.71%  | 0.355% |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 195 | 12.203 | 12.199 | 12.220 | HH | 2759       | 33218  | 1.90%  | 0.069% |
| 196 | 12.234 | 12.220 | 12.250 | HH | 2695       | 47787  | 2.73%  | 0.100% |
| 197 | 12.268 | 12.250 | 12.297 | HH | 3050       | 77747  | 4.45%  | 0.162% |
| 198 | 12.336 | 12.297 | 12.356 | HH | 3000       | 98560  | 5.64%  | 0.206% |
| 199 | 12.376 | 12.356 | 12.414 | HH | 3524       | 103058 | 5.89%  | 0.215% |
| 200 | 12.433 | 12.414 | 12.445 | HH | 3042       | 53018  | 3.03%  | 0.111% |
| 201 | 12.486 | 12.445 | 12.505 | HH | 5408       | 137003 | 7.83%  | 0.286% |
| 202 | 12.550 | 12.505 | 12.575 | HH | 22678      | 367414 | 21.01% | 0.768% |
| 203 | 12.600 | 12.575 | 12.639 | HH | 20855      | 324450 | 18.55% | 0.678% |
| 204 | 12.661 | 12.639 | 12.689 | HH | 3351       | 95986  | 5.49%  | 0.201% |
| 205 | 12.702 | 12.689 | 12.715 | HH | 3434       | 51643  | 2.95%  | 0.108% |
| 206 | 12.734 | 12.715 | 12.750 | HH | 3904       | 74711  | 4.27%  | 0.156% |
| 207 | 12.762 | 12.750 | 12.774 | HH | 3683       | 51236  | 2.93%  | 0.107% |
| 208 | 12.789 | 12.774 | 12.827 | HH | 4230       | 123919 | 7.09%  | 0.259% |
| 209 | 12.845 | 12.827 | 12.874 | HH | 4157       | 106601 | 6.10%  | 0.223% |
| 210 | 12.898 | 12.874 | 12.932 | HH | 20972      | 324628 | 18.56% | 0.678% |
| 211 | 12.957 | 12.932 | 12.972 | HH | 5369       | 112676 | 6.44%  | 0.235% |
| 212 | 12.991 | 12.972 | 13.022 | HH | 5638       | 144982 | 8.29%  | 0.303% |
| 213 | 13.031 | 13.022 | 13.052 | HH | 4461       | 77537  | 4.43%  | 0.162% |
| 214 | 13.080 | 13.052 | 13.127 | HH | 5085       | 208008 | 11.89% | 0.435% |
| 215 | 13.169 | 13.127 | 13.195 | HH | 7026       | 221626 | 12.67% | 0.463% |
| 216 | 13.233 | 13.195 | 13.274 | HH | 6131       | 260261 | 14.88% | 0.544% |
| 217 | 13.298 | 13.274 | 13.314 | HH | 5724       | 128705 | 7.36%  | 0.269% |
| 218 | 13.328 | 13.314 | 13.342 | HH | 6029       | 97887  | 5.60%  | 0.205% |
| 219 | 13.358 | 13.342 | 13.399 | HH | 6360       | 198014 | 11.32% | 0.414% |
| 220 | 13.414 | 13.399 | 13.430 | HH | 5722       | 108537 | 6.21%  | 0.227% |
| 221 | 13.488 | 13.430 | 13.520 | HH | 9557       | 364768 | 20.86% | 0.762% |
| 222 | 13.557 | 13.520 | 13.569 | HH | 6429       | 179589 | 10.27% | 0.375% |
| 223 | 13.596 | 13.569 | 13.619 | HH | 8855       | 220781 | 12.62% | 0.461% |
| 224 | 13.636 | 13.619 | 13.652 | HH | 8211       | 145628 | 8.33%  | 0.304% |
| 225 | 13.668 | 13.652 | 13.690 | HH | 7410       | 166098 | 9.50%  | 0.347% |
| 226 | 13.698 | 13.690 | 13.720 | HH | 7389       | 128930 | 7.37%  | 0.269% |
| 227 | 13.750 | 13.720 | 13.785 | HH | 26476      | 534041 | 30.54% | 1.116% |
| 228 | 13.804 | 13.785 | 13.832 | HH | 8822       | 218251 | 12.48% | 0.456% |
| 229 | 13.873 | 13.832 | 13.928 | HH | 7605       | 427266 | 24.43% | 0.893% |
| 230 | 13.946 | 13.928 | 13.963 | HH | 7831       | 158988 | 9.09%  | 0.332% |
| 231 | 13.980 | 13.963 | 13.992 | HH | 8000       | 134758 | 7.71%  | 0.282% |
| 232 | 14.016 | 13.992 | 14.029 | HH | 8031       | 172100 | 9.84%  | 0.360% |
| 233 | 14.054 | 14.029 | 14.064 | HH | 8086       | 168978 | 9.66%  | 0.353% |
| 234 | 14.073 | 14.064 | 14.084 | HH | 8353       | 98045  | 5.61%  | 0.205% |
| 235 | 14.108 | 14.084 | 14.123 | HH | 8816       | 199694 | 11.42% | 0.417% |
| 236 | 14.156 | 14.123 | 14.179 | HH | 10054      | 313866 | 17.95% | 0.656% |
| 237 | 14.220 | 14.179 | 14.240 | HH | 10260      | 359181 | 20.54% | 0.750% |
| 238 | 14.261 | 14.240 | 14.284 | HH | 10829      | 259368 | 14.83% | 0.542% |
| 239 | 14.313 | 14.284 | 14.345 | HH | 11690      | 396691 | 22.68% | 0.829% |
| 240 | 14.404 | 14.345 | 14.419 | HH | 12190      | 486289 | 27.81% | 1.016% |
| 241 | 14.431 | 14.419 | 14.449 | HH | 11294      | 197662 | 11.30% | 0.413% |
| 242 | 14.467 | 14.449 | 14.487 | HH | 13426      | 272162 | 15.56% | 0.569% |
| 243 | 14.506 | 14.487 | 14.549 | HH | 11136      | 403390 | 23.07% | 0.843% |
| 244 | 14.593 | 14.549 | 14.613 | HH | 12275      | 447188 | 25.57% | 0.934% |
| 245 | 14.651 | 14.613 | 14.692 | HH | 27180      | 765565 | 43.78% | 1.600% |
| 246 | 14.731 | 14.692 | 14.740 | HH | 12567      | 352705 | 20.17% | 0.737% |

|     |        |        |        |     | rteres.txt |         |         |        |
|-----|--------|--------|--------|-----|------------|---------|---------|--------|
| 247 | 14.777 | 14.740 | 14.797 | HH  | 20193      | 511279  | 29.24%  | 1.068% |
| 248 | 14.817 | 14.797 | 14.834 | HH  | 20107      | 367875  | 21.04%  | 0.769% |
| 249 | 14.854 | 14.834 | 14.894 | HH  | 30475      | 683812  | 39.10%  | 1.429% |
| 250 | 14.940 | 14.894 | 14.965 | HH  | 15473      | 614188  | 35.12%  | 1.283% |
| 251 | 14.984 | 14.965 | 15.002 | HH  | 15272      | 321858  | 18.40%  | 0.672% |
| 252 | 15.013 | 15.002 | 15.048 | HH  | 14665      | 389816  | 22.29%  | 0.814% |
| 253 | 15.088 | 15.048 | 15.111 | HH  | 15657      | 553919  | 31.67%  | 1.157% |
| 254 | 15.119 | 15.111 | 15.133 | HH  | 14848      | 192039  | 10.98%  | 0.401% |
| 255 | 15.141 | 15.133 | 15.150 | HH  | 14753      | 151755  | 8.68%   | 0.317% |
| 256 | 15.166 | 15.150 | 15.180 | HH  | 15380      | 271910  | 15.55%  | 0.568% |
| 257 | 15.194 | 15.180 | 15.201 | HH  | 15293      | 191878  | 10.97%  | 0.401% |
| 258 | 15.242 | 15.201 | 15.282 | HH  | 24863      | 909518  | 52.01%  | 1.900% |
| 259 | 15.295 | 15.282 | 15.317 | HH  | 16445      | 341181  | 19.51%  | 0.713% |
| 260 | 15.373 | 15.317 | 15.424 | HH  | 19123      | 1082528 | 61.90%  | 2.262% |
| 261 | 15.452 | 15.424 | 15.472 | HH  | 20623      | 535625  | 30.63%  | 1.119% |
| 262 | 15.491 | 15.472 | 15.500 | HH  | 18426      | 306791  | 17.54%  | 0.641% |
| 263 | 15.509 | 15.500 | 15.539 | HH  | 18519      | 410765  | 23.49%  | 0.858% |
| 264 | 15.549 | 15.539 | 15.559 | HH  | 17691      | 210823  | 12.06%  | 0.440% |
| 265 | 15.622 | 15.559 | 15.654 | HH  | 20316      | 1093820 | 62.55%  | 2.285% |
| 266 | 15.697 | 15.654 | 15.717 | HH  | 19534      | 714357  | 40.85%  | 1.493% |
| 267 | 15.778 | 15.717 | 15.799 | HH  | 21186      | 995092  | 56.90%  | 2.079% |
| 268 | 15.818 | 15.799 | 15.832 | HH  | 21204      | 416826  | 23.84%  | 0.871% |
| 269 | 15.877 | 15.832 | 15.914 | HH  | 39269      | 1291603 | 73.86%  | 2.699% |
| 270 | 15.935 | 15.914 | 15.950 | HH  | 22301      | 484013  | 27.68%  | 1.011% |
| 271 | 15.960 | 15.950 | 15.970 | HH  | 22545      | 263885  | 15.09%  | 0.551% |
| 272 | 15.984 | 15.970 | 16.002 | HH  | 22590      | 424530  | 24.28%  | 0.887% |
| 273 | 16.063 | 16.002 | 16.079 | HH  | 25517      | 1092070 | 62.45%  | 2.282% |
| 274 | 16.089 | 16.079 | 16.110 | HH  | 25159      | 457381  | 26.15%  | 0.956% |
| 275 | 16.169 | 16.110 | 16.189 | HH  | 27461      | 1210987 | 69.25%  | 2.530% |
| 276 | 16.258 | 16.189 | 16.289 | HH  | 34005      | 1674826 | 95.77%  | 3.499% |
| 277 | 16.338 | 16.289 | 16.352 | HH  | 35507      | 1128515 | 64.53%  | 2.358% |
| 278 | 16.362 | 16.352 | 16.393 | HH  | 34007      | 764754  | 43.73%  | 1.598% |
| 279 | 16.468 | 16.393 | 16.492 | HH  | 31355      | 1731097 | 98.99%  | 3.617% |
| 280 | 16.519 | 16.492 | 16.542 | HH  | 31853      | 931231  | 53.25%  | 1.946% |
| 281 | 16.570 | 16.542 | 16.602 | HH  | 32965      | 1129987 | 64.62%  | 2.361% |
| 282 | 16.658 | 16.602 | 16.677 | HH  | 37021      | 1514052 | 86.58%  | 3.163% |
| 283 | 16.716 | 16.677 | 16.756 | HH  | 40681      | 1654213 | 94.59%  | 3.456% |
| 284 | 16.784 | 16.756 | 16.794 | HH  | 34652      | 765114  | 43.75%  | 1.599% |
| 285 | 16.829 | 16.794 | 16.860 | HHA | 54368      | 1748795 | 100.00% | 3.654% |

Sum of corrected areas: 47860884

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