

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF101818\  
 Data File : FF002430.D  
 Signal(s) : FID2B.ch  
 Acq On : 18 Oct 2018 15:13  
 Sample : J5204-05MSD 10X  
 Misc :  
 ALS Vial : 56 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         | 4.382       | 4.352        | 4.409      | BH       | 27911          | 258821       | 4.29%          | 0.339%        |
| 2         | 4.424       | 4.409        | 4.439      | HH       | 1006           | 7655         | 0.13%          | 0.010%        |
| 3         | 4.452       | 4.439        | 4.468      | PH       | 533            | 4682         | 0.08%          | 0.006%        |
| 4         | 4.484       | 4.468        | 4.511      | PH       | 861            | 5013         | 0.08%          | 0.007%        |
| 5         | 4.529       | 4.511        | 4.549      | PH       | 2917           | 26161        | 0.43%          | 0.034%        |
| 6         | 4.559       | 4.549        | 4.565      | HH       | 193            | 1761         | 0.03%          | 0.002%        |
| 7         | 4.592       | 4.565        | 4.623      | HH       | 2069           | 31834        | 0.53%          | 0.042%        |
| 8         | 4.637       | 4.623        | 4.653      | HH       | 1135           | 10401        | 0.17%          | 0.014%        |
| 9         | 4.666       | 4.653        | 4.679      | HH       | 567            | 4570         | 0.08%          | 0.006%        |
| 10        | 4.688       | 4.679        | 4.702      | HH       | 242            | 2239         | 0.04%          | 0.003%        |
| 11        | 4.714       | 4.702        | 4.722      | HH       | 383            | 2838         | 0.05%          | 0.004%        |
| 12        | 4.734       | 4.722        | 4.744      | HH       | 370            | 3082         | 0.05%          | 0.004%        |
| 13        | 4.757       | 4.744        | 4.775      | HH       | 374            | 2580         | 0.04%          | 0.003%        |
| 14        | 4.794       | 4.775        | 4.819      | PH       | 674            | 6678         | 0.11%          | 0.009%        |
| 15        | 4.833       | 4.819        | 4.845      | PH       | 429            | 4274         | 0.07%          | 0.006%        |
| 16        | 4.855       | 4.845        | 4.890      | HH       | 775            | 4795         | 0.08%          | 0.006%        |
| 17        | 4.908       | 4.890        | 4.921      | PH       | 94             | -711         | -0.01%         | -0.001%       |
| 18        | 4.932       | 4.921        | 4.938      | PH       | 67             | -235         | -0.00%         | -0.000%       |
| 19        | 4.942       | 4.938        | 4.960      | PH       | 15             | -1373        | -0.02%         | -0.002%       |
| 20        | 4.971       | 4.960        | 4.977      | PH       | 55             | -928         | -0.02%         | -0.001%       |
| 21        | 4.993       | 4.977        | 5.001      | PH       | 167            | 471          | 0.01%          | 0.001%        |
| 22        | 5.025       | 5.001        | 5.050      | PH       | 595            | 6770         | 0.11%          | 0.009%        |
| 23        | 5.075       | 5.050        | 5.086      | PH       | 859            | 7216         | 0.12%          | 0.009%        |
| 24        | 5.099       | 5.086        | 5.114      | HH       | 1151           | 10135        | 0.17%          | 0.013%        |
| 25        | 5.125       | 5.114        | 5.142      | HH       | 378            | 3275         | 0.05%          | 0.004%        |
| 26        | 5.152       | 5.142        | 5.169      | PH       | 214            | 266          | 0.00%          | 0.000%        |
| 27        | 5.186       | 5.169        | 5.205      | PH       | 373            | 2070         | 0.03%          | 0.003%        |
| 28        | 5.222       | 5.205        | 5.228      | PH       | 214            | 1657         | 0.03%          | 0.002%        |
| 29        | 5.240       | 5.228        | 5.269      | HH       | 418            | 3009         | 0.05%          | 0.004%        |
| 30        | 5.288       | 5.269        | 5.299      | PH       | 283            | 2232         | 0.04%          | 0.003%        |
| 31        | 5.311       | 5.299        | 5.327      | HH       | 490            | 3183         | 0.05%          | 0.004%        |
| 32        | 5.339       | 5.327        | 5.358      | PH       | 106            | -392         | -0.01%         | -0.001%       |
| 33        | 5.365       | 5.358        | 5.394      | PH       | 69             | -2358        | -0.04%         | -0.003%       |
| 34        | 5.421       | 5.394        | 5.436      | PH       | 1994           | 16794        | 0.28%          | 0.022%        |
| 35        | 5.451       | 5.436        | 5.480      | HH       | 1323           | 16066        | 0.27%          | 0.021%        |
| 36        | 5.487       | 5.480        | 5.511      | HH       | 146            | -296         | -0.00%         | -0.000%       |

| rteres.txt |       |       |       |    |       |        |        |         |
|------------|-------|-------|-------|----|-------|--------|--------|---------|
| 37         | 5.525 | 5.511 | 5.535 | PH | 12    | -1062  | -0.02% | -0.001% |
| 38         | 5.546 | 5.535 | 5.567 | PH | 26    | -1361  | -0.02% | -0.002% |
| 39         | 5.574 | 5.567 | 5.582 | PH | -63   | -1121  | -0.02% | -0.001% |
| 40         | 5.606 | 5.582 | 5.629 | PH | 1862  | 16713  | 0.28%  | 0.022%  |
| 41         | 5.638 | 5.629 | 5.644 | PH | 53    | 23     | 0.00%  | 0.000%  |
| 42         | 5.648 | 5.644 | 5.658 | PH | 150   | 612    | 0.01%  | 0.001%  |
| 43         | 5.678 | 5.658 | 5.689 | HH | 1944  | 21578  | 0.36%  | 0.028%  |
| 44         | 5.702 | 5.689 | 5.711 | HH | 3046  | 30034  | 0.50%  | 0.039%  |
| 45         | 5.720 | 5.711 | 5.742 | HH | 3046  | 36661  | 0.61%  | 0.048%  |
| 46         | 5.754 | 5.742 | 5.778 | HH | 1533  | 17167  | 0.28%  | 0.022%  |
| 47         | 5.794 | 5.778 | 5.812 | PH | 591   | 5529   | 0.09%  | 0.007%  |
| 48         | 5.824 | 5.812 | 5.838 | HH | 184   | 2079   | 0.03%  | 0.003%  |
| 49         | 5.847 | 5.838 | 5.859 | HH | 158   | 915    | 0.02%  | 0.001%  |
| 50         | 5.877 | 5.859 | 5.894 | PH | 279   | 1023   | 0.02%  | 0.001%  |
| 51         | 5.926 | 5.894 | 5.945 | PH | 436   | 4721   | 0.08%  | 0.006%  |
| 52         | 5.967 | 5.945 | 5.994 | PH | 35072 | 317556 | 5.26%  | 0.416%  |
| 53         | 6.014 | 5.994 | 6.041 | HH | 1767  | 20825  | 0.35%  | 0.027%  |
| 54         | 6.061 | 6.041 | 6.084 | PH | 675   | 9508   | 0.16%  | 0.012%  |
| 55         | 6.099 | 6.084 | 6.113 | HH | 887   | 10945  | 0.18%  | 0.014%  |
| 56         | 6.120 | 6.113 | 6.134 | HH | 892   | 8426   | 0.14%  | 0.011%  |
| 57         | 6.146 | 6.134 | 6.172 | HH | 672   | 10545  | 0.17%  | 0.014%  |
| 58         | 6.188 | 6.172 | 6.195 | HH | 711   | 6968   | 0.12%  | 0.009%  |
| 59         | 6.202 | 6.195 | 6.217 | HH | 685   | 8000   | 0.13%  | 0.010%  |
| 60         | 6.223 | 6.217 | 6.230 | HH | 540   | 3937   | 0.07%  | 0.005%  |
| 61         | 6.243 | 6.230 | 6.264 | HH | 843   | 11529  | 0.19%  | 0.015%  |
| 62         | 6.283 | 6.264 | 6.298 | HH | 390   | 5751   | 0.10%  | 0.008%  |
| 63         | 6.325 | 6.298 | 6.371 | HH | 906   | 24516  | 0.41%  | 0.032%  |
| 64         | 6.401 | 6.371 | 6.452 | HH | 30949 | 318665 | 5.28%  | 0.417%  |
| 65         | 6.461 | 6.452 | 6.472 | HH | 378   | 3607   | 0.06%  | 0.005%  |
| 66         | 6.478 | 6.472 | 6.485 | HH | 284   | 2258   | 0.04%  | 0.003%  |
| 67         | 6.518 | 6.485 | 6.533 | HH | 986   | 17956  | 0.30%  | 0.024%  |
| 68         | 6.549 | 6.533 | 6.567 | HH | 1733  | 21259  | 0.35%  | 0.028%  |
| 69         | 6.598 | 6.567 | 6.612 | HH | 1278  | 20000  | 0.33%  | 0.026%  |
| 70         | 6.624 | 6.612 | 6.635 | HH | 331   | 3215   | 0.05%  | 0.004%  |
| 71         | 6.678 | 6.635 | 6.691 | HH | 1242  | 21285  | 0.35%  | 0.028%  |
| 72         | 6.717 | 6.691 | 6.730 | HH | 1762  | 31148  | 0.52%  | 0.041%  |
| 73         | 6.741 | 6.730 | 6.766 | HH | 1354  | 22605  | 0.37%  | 0.030%  |
| 74         | 6.800 | 6.766 | 6.824 | HH | 2468  | 43773  | 0.73%  | 0.057%  |
| 75         | 6.836 | 6.824 | 6.855 | HH | 901   | 12670  | 0.21%  | 0.017%  |
| 76         | 6.869 | 6.855 | 6.881 | HH | 786   | 9590   | 0.16%  | 0.013%  |
| 77         | 6.927 | 6.881 | 6.944 | HH | 2629  | 47174  | 0.78%  | 0.062%  |
| 78         | 6.961 | 6.944 | 6.988 | HH | 2097  | 33746  | 0.56%  | 0.044%  |
| 79         | 7.021 | 6.988 | 7.047 | HH | 27579 | 296070 | 4.91%  | 0.388%  |
| 80         | 7.068 | 7.047 | 7.087 | HH | 1540  | 26722  | 0.44%  | 0.035%  |
| 81         | 7.107 | 7.087 | 7.133 | HH | 3605  | 58267  | 0.97%  | 0.076%  |
| 82         | 7.156 | 7.133 | 7.189 | HH | 47995 | 481534 | 7.98%  | 0.631%  |
| 83         | 7.208 | 7.189 | 7.240 | HH | 1379  | 31123  | 0.52%  | 0.041%  |
| 84         | 7.245 | 7.240 | 7.265 | HH | 810   | 10440  | 0.17%  | 0.014%  |
| 85         | 7.324 | 7.265 | 7.354 | HH | 2331  | 68390  | 1.13%  | 0.090%  |
| 86         | 7.379 | 7.354 | 7.391 | HH | 1601  | 27106  | 0.45%  | 0.035%  |
| 87         | 7.396 | 7.391 | 7.433 | HH | 1349  | 26343  | 0.44%  | 0.034%  |
| 88         | 7.452 | 7.433 | 7.457 | HH | 819   | 10351  | 0.17%  | 0.014%  |
| 89         | 7.498 | 7.457 | 7.535 | HH | 2249  | 60125  | 1.00%  | 0.079%  |

|            |       |       |       |    |       |        |        |        |
|------------|-------|-------|-------|----|-------|--------|--------|--------|
| rteres.txt |       |       |       |    |       |        |        |        |
| 90         | 7.551 | 7.535 | 7.573 | HH | 1572  | 24007  | 0.40%  | 0.031% |
| 91         | 7.614 | 7.573 | 7.627 | HH | 1303  | 31825  | 0.53%  | 0.042% |
| 92         | 7.658 | 7.627 | 7.676 | HH | 1416  | 34060  | 0.56%  | 0.045% |
| 93         | 7.706 | 7.676 | 7.722 | HH | 1470  | 34902  | 0.58%  | 0.046% |
| 94         | 7.745 | 7.722 | 7.771 | HH | 6756  | 99055  | 1.64%  | 0.130% |
| 95         | 7.778 | 7.771 | 7.817 | HH | 1902  | 44052  | 0.73%  | 0.058% |
| 96         | 7.844 | 7.817 | 7.863 | HH | 2873  | 48975  | 0.81%  | 0.064% |
| 97         | 7.902 | 7.863 | 7.937 | HH | 9102  | 166181 | 2.75%  | 0.218% |
| 98         | 7.948 | 7.937 | 7.960 | HH | 2916  | 34886  | 0.58%  | 0.046% |
| 99         | 7.974 | 7.960 | 7.978 | HH | 3197  | 31168  | 0.52%  | 0.041% |
| 100        | 7.999 | 7.978 | 8.005 | HH | 14408 | 145923 | 2.42%  | 0.191% |
| 101        | 8.013 | 8.005 | 8.034 | HH | 15933 | 173053 | 2.87%  | 0.227% |
| 102        | 8.038 | 8.034 | 8.055 | HH | 2816  | 28785  | 0.48%  | 0.038% |
| 103        | 8.072 | 8.055 | 8.087 | HH | 2204  | 35353  | 0.59%  | 0.046% |
| 104        | 8.117 | 8.087 | 8.133 | HH | 33405 | 387489 | 6.42%  | 0.507% |
| 105        | 8.145 | 8.133 | 8.162 | HH | 18869 | 207668 | 3.44%  | 0.272% |
| 106        | 8.194 | 8.162 | 8.220 | HH | 32446 | 423461 | 7.02%  | 0.555% |
| 107        | 8.250 | 8.220 | 8.260 | HH | 11964 | 148736 | 2.46%  | 0.195% |
| 108        | 8.277 | 8.260 | 8.283 | HH | 12056 | 147772 | 2.45%  | 0.194% |
| 109        | 8.299 | 8.283 | 8.334 | HH | 19762 | 290338 | 4.81%  | 0.380% |
| 110        | 8.356 | 8.334 | 8.370 | HH | 3407  | 59290  | 0.98%  | 0.078% |
| 111        | 8.390 | 8.370 | 8.427 | HH | 10154 | 158483 | 2.63%  | 0.208% |
| 112        | 8.439 | 8.427 | 8.455 | HH | 2578  | 36048  | 0.60%  | 0.047% |
| 113        | 8.484 | 8.455 | 8.506 | HH | 1943  | 52013  | 0.86%  | 0.068% |
| 114        | 8.548 | 8.506 | 8.564 | HH | 2764  | 70940  | 1.18%  | 0.093% |
| 115        | 8.596 | 8.564 | 8.622 | HH | 42097 | 463372 | 7.68%  | 0.607% |
| 116        | 8.643 | 8.622 | 8.673 | HH | 6881  | 125588 | 2.08%  | 0.164% |
| 117        | 8.713 | 8.673 | 8.720 | HH | 4510  | 91821  | 1.52%  | 0.120% |
| 118        | 8.732 | 8.720 | 8.750 | HH | 5057  | 72419  | 1.20%  | 0.095% |
| 119        | 8.757 | 8.750 | 8.772 | HH | 3002  | 35262  | 0.58%  | 0.046% |
| 120        | 8.786 | 8.772 | 8.801 | HH | 3013  | 44668  | 0.74%  | 0.058% |
| 121        | 8.836 | 8.801 | 8.850 | HH | 9151  | 148219 | 2.46%  | 0.194% |
| 122        | 8.867 | 8.850 | 8.894 | HH | 24133 | 290861 | 4.82%  | 0.381% |
| 123        | 8.909 | 8.894 | 8.929 | HH | 4643  | 74155  | 1.23%  | 0.097% |
| 124        | 8.960 | 8.929 | 8.980 | HH | 5330  | 114455 | 1.90%  | 0.150% |
| 125        | 9.007 | 8.980 | 9.029 | HH | 9690  | 171028 | 2.83%  | 0.224% |
| 126        | 9.045 | 9.029 | 9.085 | HH | 10247 | 172073 | 2.85%  | 0.225% |
| 127        | 9.104 | 9.085 | 9.130 | HH | 3975  | 79677  | 1.32%  | 0.104% |
| 128        | 9.162 | 9.130 | 9.178 | HH | 10109 | 146983 | 2.44%  | 0.192% |
| 129        | 9.193 | 9.178 | 9.212 | HH | 7912  | 103519 | 1.72%  | 0.136% |
| 130        | 9.219 | 9.212 | 9.227 | HH | 3185  | 27585  | 0.46%  | 0.036% |
| 131        | 9.244 | 9.227 | 9.261 | HH | 6608  | 90750  | 1.50%  | 0.119% |
| 132        | 9.278 | 9.261 | 9.282 | HH | 5046  | 51754  | 0.86%  | 0.068% |
| 133        | 9.298 | 9.282 | 9.319 | HH | 9498  | 131946 | 2.19%  | 0.173% |
| 134        | 9.338 | 9.319 | 9.355 | HH | 5817  | 87757  | 1.45%  | 0.115% |
| 135        | 9.379 | 9.355 | 9.436 | HH | 55128 | 726410 | 12.04% | 0.951% |
| 136        | 9.460 | 9.436 | 9.475 | HH | 9777  | 142698 | 2.36%  | 0.187% |
| 137        | 9.480 | 9.475 | 9.490 | HH | 5279  | 43211  | 0.72%  | 0.057% |
| 138        | 9.501 | 9.490 | 9.510 | HH | 6032  | 63961  | 1.06%  | 0.084% |
| 139        | 9.528 | 9.510 | 9.547 | HH | 10742 | 170995 | 2.83%  | 0.224% |
| 140        | 9.559 | 9.547 | 9.572 | HH | 6761  | 83683  | 1.39%  | 0.110% |
| 141        | 9.589 | 9.572 | 9.618 | HH | 9014  | 151407 | 2.51%  | 0.198% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 142        | 9.639  | 9.618  | 9.664  | HH | 4817   | 97033   | 1.61%  | 0.127% |
| 143        | 9.700  | 9.664  | 9.726  | HH | 10932  | 217885  | 3.61%  | 0.285% |
| 144        | 9.754  | 9.726  | 9.770  | HH | 4779   | 104105  | 1.73%  | 0.136% |
| 145        | 9.796  | 9.770  | 9.844  | HH | 43726  | 616245  | 10.21% | 0.807% |
| 146        | 9.863  | 9.844  | 9.885  | HH | 4507   | 86249   | 1.43%  | 0.113% |
| 147        | 9.901  | 9.885  | 9.936  | HH | 3620   | 86160   | 1.43%  | 0.113% |
| 148        | 9.967  | 9.936  | 9.991  | HH | 3993   | 97543   | 1.62%  | 0.128% |
| 149        | 10.000 | 9.991  | 10.022 | HH | 2547   | 41851   | 0.69%  | 0.055% |
| 150        | 10.042 | 10.022 | 10.052 | HH | 2326   | 39742   | 0.66%  | 0.052% |
| 151        | 10.068 | 10.052 | 10.091 | HH | 3238   | 63639   | 1.05%  | 0.083% |
| 152        | 10.095 | 10.091 | 10.100 | HH | 2486   | 13057   | 0.22%  | 0.017% |
| 153        | 10.125 | 10.100 | 10.162 | HH | 4714   | 131683  | 2.18%  | 0.172% |
| 154        | 10.185 | 10.162 | 10.208 | HH | 6554   | 126116  | 2.09%  | 0.165% |
| 155        | 10.234 | 10.208 | 10.239 | HH | 6154   | 86329   | 1.43%  | 0.113% |
| 156        | 10.261 | 10.239 | 10.283 | HH | 17177  | 268238  | 4.45%  | 0.351% |
| 157        | 10.301 | 10.283 | 10.345 | HH | 11363  | 211236  | 3.50%  | 0.277% |
| 158        | 10.378 | 10.345 | 10.415 | HH | 12018  | 253800  | 4.21%  | 0.332% |
| 159        | 10.437 | 10.415 | 10.466 | HH | 5116   | 138197  | 2.29%  | 0.181% |
| 160        | 10.473 | 10.466 | 10.491 | HH | 4072   | 56995   | 0.94%  | 0.075% |
| 161        | 10.537 | 10.491 | 10.562 | HH | 12387  | 306554  | 5.08%  | 0.401% |
| 162        | 10.584 | 10.562 | 10.629 | HH | 18246  | 384988  | 6.38%  | 0.504% |
| 163        | 10.654 | 10.629 | 10.663 | HH | 4670   | 88371   | 1.46%  | 0.116% |
| 164        | 10.679 | 10.663 | 10.699 | HH | 5732   | 98582   | 1.63%  | 0.129% |
| 165        | 10.715 | 10.699 | 10.732 | HH | 3734   | 67199   | 1.11%  | 0.088% |
| 166        | 10.749 | 10.732 | 10.756 | HH | 5803   | 67915   | 1.13%  | 0.089% |
| 167        | 10.782 | 10.756 | 10.825 | HH | 201038 | 2214208 | 36.70% | 2.899% |
| 168        | 10.855 | 10.825 | 10.897 | HH | 57050  | 738503  | 12.24% | 0.967% |
| 169        | 10.930 | 10.897 | 10.947 | HH | 4792   | 123387  | 2.04%  | 0.162% |
| 170        | 10.952 | 10.947 | 10.972 | HH | 3945   | 53883   | 0.89%  | 0.071% |
| 171        | 10.990 | 10.972 | 11.021 | HH | 4175   | 102753  | 1.70%  | 0.135% |
| 172        | 11.042 | 11.021 | 11.049 | HH | 3651   | 53954   | 0.89%  | 0.071% |
| 173        | 11.067 | 11.049 | 11.113 | HH | 13793  | 269563  | 4.47%  | 0.353% |
| 174        | 11.138 | 11.113 | 11.160 | HH | 5032   | 120356  | 1.99%  | 0.158% |
| 175        | 11.177 | 11.160 | 11.200 | HH | 5747   | 115874  | 1.92%  | 0.152% |
| 176        | 11.238 | 11.200 | 11.262 | HH | 37010  | 529315  | 8.77%  | 0.693% |
| 177        | 11.269 | 11.262 | 11.285 | HH | 5744   | 76623   | 1.27%  | 0.100% |
| 178        | 11.306 | 11.285 | 11.315 | HH | 10850  | 148950  | 2.47%  | 0.195% |
| 179        | 11.321 | 11.315 | 11.353 | HH | 10124  | 163870  | 2.72%  | 0.215% |
| 180        | 11.377 | 11.353 | 11.404 | HH | 6154   | 144018  | 2.39%  | 0.189% |
| 181        | 11.435 | 11.404 | 11.459 | HH | 10818  | 197916  | 3.28%  | 0.259% |
| 182        | 11.480 | 11.459 | 11.503 | HH | 5103   | 113070  | 1.87%  | 0.148% |
| 183        | 11.535 | 11.503 | 11.554 | HH | 5248   | 134098  | 2.22%  | 0.176% |
| 184        | 11.584 | 11.554 | 11.600 | HH | 29810  | 415255  | 6.88%  | 0.544% |
| 185        | 11.615 | 11.600 | 11.655 | HH | 36593  | 486830  | 8.07%  | 0.637% |
| 186        | 11.700 | 11.655 | 11.717 | HH | 41097  | 677958  | 11.24% | 0.888% |
| 187        | 11.732 | 11.717 | 11.747 | HH | 21120  | 264505  | 4.38%  | 0.346% |
| 188        | 11.763 | 11.747 | 11.789 | HH | 29187  | 386925  | 6.41%  | 0.507% |
| 189        | 11.802 | 11.789 | 11.816 | HH | 4985   | 74955   | 1.24%  | 0.098% |
| 190        | 11.839 | 11.816 | 11.862 | HH | 5390   | 120259  | 1.99%  | 0.157% |
| 191        | 11.909 | 11.862 | 11.929 | HH | 10541  | 258033  | 4.28%  | 0.338% |
| 192        | 11.960 | 11.929 | 12.012 | HH | 83854  | 1142671 | 18.94% | 1.496% |
| 193        | 12.056 | 12.012 | 12.075 | HH | 16098  | 283707  | 4.70%  | 0.372% |
| 194        | 12.088 | 12.075 | 12.100 | HH | 6051   | 82538   | 1.37%  | 0.108% |

| rteres.txt |        |        |        |    |        |         |         |        |
|------------|--------|--------|--------|----|--------|---------|---------|--------|
| 195        | 12.118 | 12.100 | 12.135 | HH | 7253   | 126869  | 2.10%   | 0.166% |
| 196        | 12.149 | 12.135 | 12.177 | HH | 10814  | 178419  | 2.96%   | 0.234% |
| 197        | 12.202 | 12.177 | 12.220 | HH | 6182   | 139177  | 2.31%   | 0.182% |
| 198        | 12.235 | 12.220 | 12.250 | HH | 5760   | 94063   | 1.56%   | 0.123% |
| 199        | 12.264 | 12.250 | 12.275 | HH | 5719   | 80119   | 1.33%   | 0.105% |
| 200        | 12.287 | 12.275 | 12.294 | HH | 5850   | 62260   | 1.03%   | 0.082% |
| 201        | 12.329 | 12.294 | 12.356 | HH | 7507   | 232224  | 3.85%   | 0.304% |
| 202        | 12.376 | 12.356 | 12.412 | HH | 10671  | 248865  | 4.12%   | 0.326% |
| 203        | 12.431 | 12.412 | 12.442 | HH | 6824   | 102643  | 1.70%   | 0.134% |
| 204        | 12.453 | 12.442 | 12.464 | HH | 7248   | 88278   | 1.46%   | 0.116% |
| 205        | 12.485 | 12.464 | 12.505 | HH | 22664  | 341351  | 5.66%   | 0.447% |
| 206        | 12.521 | 12.505 | 12.527 | HH | 11854  | 143123  | 2.37%   | 0.187% |
| 207        | 12.549 | 12.527 | 12.573 | HH | 39947  | 600652  | 9.95%   | 0.787% |
| 208        | 12.602 | 12.573 | 12.647 | HH | 160020 | 1991063 | 33.00%  | 2.607% |
| 209        | 12.659 | 12.647 | 12.677 | HH | 5179   | 82201   | 1.36%   | 0.108% |
| 210        | 12.698 | 12.677 | 12.712 | HH | 5895   | 105254  | 1.74%   | 0.138% |
| 211        | 12.735 | 12.712 | 12.751 | HH | 13863  | 217725  | 3.61%   | 0.285% |
| 212        | 12.764 | 12.751 | 12.774 | HH | 10167  | 123327  | 2.04%   | 0.161% |
| 213        | 12.788 | 12.774 | 12.807 | HH | 12183  | 189952  | 3.15%   | 0.249% |
| 214        | 12.819 | 12.807 | 12.828 | HH | 7923   | 92451   | 1.53%   | 0.121% |
| 215        | 12.841 | 12.828 | 12.871 | HH | 8566   | 192409  | 3.19%   | 0.252% |
| 216        | 12.899 | 12.871 | 12.927 | HH | 135857 | 1645460 | 27.27%  | 2.155% |
| 217        | 12.982 | 12.927 | 13.015 | HH | 429627 | 6033955 | 100.00% | 7.901% |
| 218        | 13.037 | 13.015 | 13.060 | HH | 268449 | 3291370 | 54.55%  | 4.310% |
| 219        | 13.070 | 13.060 | 13.128 | HH | 28069  | 522163  | 8.65%   | 0.684% |
| 220        | 13.165 | 13.128 | 13.188 | HH | 16217  | 344426  | 5.71%   | 0.451% |
| 221        | 13.215 | 13.188 | 13.259 | HH | 50876  | 894926  | 14.83%  | 1.172% |
| 222        | 13.270 | 13.259 | 13.281 | HH | 7962   | 102143  | 1.69%   | 0.134% |
| 223        | 13.297 | 13.281 | 13.317 | HH | 11148  | 192253  | 3.19%   | 0.252% |
| 224        | 13.327 | 13.317 | 13.336 | HH | 8345   | 93646   | 1.55%   | 0.123% |
| 225        | 13.358 | 13.336 | 13.385 | HH | 15440  | 325024  | 5.39%   | 0.426% |
| 226        | 13.393 | 13.385 | 13.430 | HH | 7527   | 180096  | 2.98%   | 0.236% |
| 227        | 13.489 | 13.430 | 13.532 | HH | 39658  | 942407  | 15.62%  | 1.234% |
| 228        | 13.563 | 13.532 | 13.575 | HH | 10916  | 229186  | 3.80%   | 0.300% |
| 229        | 13.597 | 13.575 | 13.619 | HH | 31405  | 511288  | 8.47%   | 0.670% |
| 230        | 13.635 | 13.619 | 13.658 | HH | 20121  | 313557  | 5.20%   | 0.411% |
| 231        | 13.684 | 13.658 | 13.704 | HH | 8728   | 230052  | 3.81%   | 0.301% |
| 232        | 13.749 | 13.704 | 13.786 | HH | 37948  | 931668  | 15.44%  | 1.220% |
| 233        | 13.806 | 13.786 | 13.835 | HH | 17968  | 346325  | 5.74%   | 0.454% |
| 234        | 13.858 | 13.835 | 13.898 | HH | 8457   | 297028  | 4.92%   | 0.389% |
| 235        | 13.916 | 13.898 | 13.936 | HH | 7021   | 154814  | 2.57%   | 0.203% |
| 236        | 13.981 | 13.936 | 13.987 | HH | 8321   | 226002  | 3.75%   | 0.296% |
| 237        | 14.010 | 13.987 | 14.034 | HH | 14989  | 317690  | 5.27%   | 0.416% |
| 238        | 14.047 | 14.034 | 14.085 | HH | 9864   | 269563  | 4.47%   | 0.353% |
| 239        | 14.105 | 14.085 | 14.120 | HH | 8323   | 167400  | 2.77%   | 0.219% |
| 240        | 14.157 | 14.120 | 14.169 | HH | 11196  | 263720  | 4.37%   | 0.345% |
| 241        | 14.197 | 14.169 | 14.214 | HH | 16248  | 377011  | 6.25%   | 0.494% |
| 242        | 14.223 | 14.214 | 14.251 | HH | 13392  | 252102  | 4.18%   | 0.330% |
| 243        | 14.310 | 14.251 | 14.347 | HH | 16807  | 690365  | 11.44%  | 0.904% |
| 244        | 14.367 | 14.347 | 14.384 | HH | 14759  | 271719  | 4.50%   | 0.356% |
| 245        | 14.403 | 14.384 | 14.444 | HH | 17862  | 491775  | 8.15%   | 0.644% |
| 246        | 14.467 | 14.444 | 14.490 | HH | 27617  | 487139  | 8.07%   | 0.638% |

|     |        |        |        |     |                         |          |        |        |
|-----|--------|--------|--------|-----|-------------------------|----------|--------|--------|
|     |        |        |        |     | rteres.txt              |          |        |        |
| 247 | 14.507 | 14.490 | 14.515 | HH  | 12974                   | 184009   | 3.05%  | 0.241% |
| 248 | 14.524 | 14.515 | 14.554 | HH  | 12840                   | 250863   | 4.16%  | 0.329% |
| 249 | 14.591 | 14.554 | 14.607 | HH  | 10886                   | 303466   | 5.03%  | 0.397% |
| 250 | 14.649 | 14.607 | 14.680 | HH  | 33870                   | 763235   | 12.65% | 0.999% |
| 251 | 14.692 | 14.680 | 14.707 | HH  | 10951                   | 164041   | 2.72%  | 0.215% |
| 252 | 14.729 | 14.707 | 14.748 | HH  | 13942                   | 277193   | 4.59%  | 0.363% |
| 253 | 14.777 | 14.748 | 14.797 | HH  | 66491                   | 971239   | 16.10% | 1.272% |
| 254 | 14.818 | 14.797 | 14.837 | HH  | 64912                   | 907616   | 15.04% | 1.189% |
| 255 | 14.852 | 14.837 | 14.889 | HH  | 35189                   | 637819   | 10.57% | 0.835% |
| 256 | 14.939 | 14.889 | 14.970 | HH  | 23164                   | 681408   | 11.29% | 0.892% |
| 257 | 14.982 | 14.970 | 14.998 | HH  | 12684                   | 205691   | 3.41%  | 0.269% |
| 258 | 15.015 | 14.998 | 15.050 | HH  | 14334                   | 366387   | 6.07%  | 0.480% |
| 259 | 15.080 | 15.050 | 15.104 | HH  | 14964                   | 403937   | 6.69%  | 0.529% |
| 260 | 15.118 | 15.104 | 15.174 | HH  | 14574                   | 523207   | 8.67%  | 0.685% |
| 261 | 15.243 | 15.174 | 15.284 | HH  | 18604                   | 895086   | 14.83% | 1.172% |
| 262 | 15.291 | 15.284 | 15.308 | HH  | 11328                   | 161287   | 2.67%  | 0.211% |
| 263 | 15.329 | 15.308 | 15.337 | HH  | 11464                   | 190528   | 3.16%  | 0.249% |
| 264 | 15.373 | 15.337 | 15.393 | HH  | 16072                   | 455366   | 7.55%  | 0.596% |
| 265 | 15.452 | 15.393 | 15.473 | HH  | 27706                   | 852696   | 14.13% | 1.117% |
| 266 | 15.489 | 15.473 | 15.514 | HH  | 19029                   | 401174   | 6.65%  | 0.525% |
| 267 | 15.533 | 15.514 | 15.552 | HH  | 16942                   | 340328   | 5.64%  | 0.446% |
| 268 | 15.612 | 15.552 | 15.654 | HH  | 24062                   | 1050267  | 17.41% | 1.375% |
| 269 | 15.692 | 15.654 | 15.722 | HH  | 15440                   | 559675   | 9.28%  | 0.733% |
| 270 | 15.736 | 15.722 | 15.757 | HH  | 13667                   | 283606   | 4.70%  | 0.371% |
| 271 | 15.779 | 15.757 | 15.801 | HH  | 15496                   | 379019   | 6.28%  | 0.496% |
| 272 | 15.810 | 15.801 | 15.827 | HH  | 14025                   | 218280   | 3.62%  | 0.286% |
| 273 | 15.876 | 15.827 | 15.912 | HH  | 41248                   | 1074232  | 17.80% | 1.407% |
| 274 | 15.952 | 15.912 | 15.969 | HH  | 14707                   | 484156   | 8.02%  | 0.634% |
| 275 | 15.980 | 15.969 | 16.002 | HH  | 14439                   | 283282   | 4.69%  | 0.371% |
| 276 | 16.053 | 16.002 | 16.075 | HH  | 17971                   | 693962   | 11.50% | 0.909% |
| 277 | 16.090 | 16.075 | 16.105 | HH  | 17335                   | 297214   | 4.93%  | 0.389% |
| 278 | 16.122 | 16.105 | 16.139 | HH  | 17378                   | 330674   | 5.48%  | 0.433% |
| 279 | 16.163 | 16.139 | 16.189 | HH  | 18714                   | 529147   | 8.77%  | 0.693% |
| 280 | 16.258 | 16.189 | 16.292 | HH  | 21183                   | 1115291  | 18.48% | 1.460% |
| 281 | 16.338 | 16.292 | 16.355 | HH  | 64256                   | 1303975  | 21.61% | 1.708% |
| 282 | 16.362 | 16.355 | 16.402 | HH  | 42846                   | 767996   | 12.73% | 1.006% |
| 283 | 16.424 | 16.402 | 16.442 | HH  | 18886                   | 429308   | 7.11%  | 0.562% |
| 284 | 16.468 | 16.442 | 16.494 | HH  | 29741                   | 737707   | 12.23% | 0.966% |
| 285 | 16.511 | 16.494 | 16.555 | HH  | 20370                   | 710362   | 11.77% | 0.930% |
| 286 | 16.587 | 16.555 | 16.601 | HH  | 20590                   | 533071   | 8.83%  | 0.698% |
| 287 | 16.657 | 16.601 | 16.685 | HH  | 51176                   | 1497325  | 24.81% | 1.961% |
| 288 | 16.715 | 16.685 | 16.769 | HH  | 66109                   | 1567932  | 25.99% | 2.053% |
| 289 | 16.787 | 16.769 | 16.794 | HH  | 21505                   | 314470   | 5.21%  | 0.412% |
| 290 | 16.825 | 16.794 | 16.858 | HH  | 51868                   | 1305213  | 21.63% | 1.709% |
| 291 | 16.875 | 16.858 | 16.880 | HHA | 25641                   | 348221   | 5.77%  | 0.456% |
|     |        |        |        |     | Sum of corrected areas: | 76365737 |        |        |

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