

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF081018\  
 Data File : FF001819.D  
 Signal(s) : FID2B.ch  
 Acq On : 11 Aug 2018 14:47  
 Sample : J4409-07 20X  
 Misc :  
 ALS Vial : 87 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF073018.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         | 4.080       | 4.072        | 4.091      | BH       | 66             | -58          | -0.00%         | -0.000%       |
| 2         | 4.107       | 4.091        | 4.129      | PH       | 172            | 1235         | 0.02%          | 0.001%        |
| 3         | 4.131       | 4.129        | 4.146      | PH       | 61             | -130         | -0.00%         | -0.000%       |
| 4         | 4.162       | 4.146        | 4.188      | PH       | 45             | -671         | -0.01%         | -0.001%       |
| 5         | 4.248       | 4.188        | 4.252      | PH       | 73             | -1186        | -0.02%         | -0.001%       |
| 6         | 4.259       | 4.252        | 4.290      | HH       | 90             | 91           | 0.00%          | 0.000%        |
| 7         | 4.295       | 4.290        | 4.302      | PH       | 47             | 108          | 0.00%          | 0.000%        |
| 8         | 4.325       | 4.302        | 4.339      | PH       | 362            | 4888         | 0.08%          | 0.005%        |
| 9         | 4.355       | 4.339        | 4.385      | HH       | 664            | 9264         | 0.15%          | 0.009%        |
| 10        | 4.392       | 4.385        | 4.399      | HH       | 166            | 853          | 0.01%          | 0.001%        |
| 11        | 4.404       | 4.399        | 4.415      | HH       | 108            | 768          | 0.01%          | 0.001%        |
| 12        | 4.422       | 4.415        | 4.442      | HH       | 93             | 151          | 0.00%          | 0.000%        |
| 13        | 4.459       | 4.442        | 4.465      | PH       | 59             | -100         | -0.00%         | -0.000%       |
| 14        | 4.467       | 4.465        | 4.484      | PH       | -14            | -418         | -0.01%         | -0.000%       |
| 15        | 4.491       | 4.484        | 4.504      | PH       | 50             | -24          | -0.00%         | -0.000%       |
| 16        | 4.516       | 4.504        | 4.537      | PH       | 84             | -265         | -0.00%         | -0.000%       |
| 17        | 4.556       | 4.537        | 4.594      | PH       | 66             | -2306        | -0.04%         | -0.002%       |
| 18        | 4.616       | 4.594        | 4.645      | PH       | -53            | -3994        | -0.07%         | -0.004%       |
| 19        | 4.651       | 4.645        | 4.695      | PH       | -77            | -5365        | -0.09%         | -0.005%       |
| 20        | 4.714       | 4.695        | 4.730      | PH       | 16             | -2164        | -0.04%         | -0.002%       |
| 21        | 4.740       | 4.730        | 4.765      | PH       | -61            | -3828        | -0.06%         | -0.004%       |
| 22        | 4.777       | 4.765        | 4.792      | PH       | 90             | -1099        | -0.02%         | -0.001%       |
| 23        | 4.804       | 4.792        | 4.809      | PH       | -20            | -997         | -0.02%         | -0.001%       |
| 24        | 4.816       | 4.809        | 4.832      | PH       | -92            | -1860        | -0.03%         | -0.002%       |
| 25        | 4.840       | 4.832        | 4.879      | PH       | -1             | -4381        | -0.07%         | -0.004%       |
| 26        | 4.884       | 4.879        | 4.890      | PH       | -196           | -1515        | -0.02%         | -0.001%       |
| 27        | 4.928       | 4.890        | 4.939      | PH       | 115            | -1146        | -0.02%         | -0.001%       |
| 28        | 4.946       | 4.939        | 4.950      | PH       | -16            | -320         | -0.01%         | -0.000%       |
| 29        | 4.954       | 4.950        | 4.960      | PH       | 25             | -217         | -0.00%         | -0.000%       |
| 30        | 4.970       | 4.960        | 4.975      | PH       | 0              | -357         | -0.01%         | -0.000%       |
| 31        | 4.979       | 4.975        | 5.005      | PH       | -37            | -1823        | -0.03%         | -0.002%       |
| 32        | 5.023       | 5.005        | 5.035      | PH       | -29            | -1501        | -0.02%         | -0.001%       |
| 33        | 5.040       | 5.035        | 5.043      | PH       | -69            | -409         | -0.01%         | -0.000%       |
| 34        | 5.047       | 5.043        | 5.065      | PH       | -69            | -1884        | -0.03%         | -0.002%       |
| 35        | 5.093       | 5.065        | 5.099      | PH       | -41            | -2506        | -0.04%         | -0.002%       |
| 36        | 5.105       | 5.099        | 5.119      | PH       | -9             | -1515        | -0.02%         | -0.001%       |

|    |       |       |       |    |            |       |        |         |  |
|----|-------|-------|-------|----|------------|-------|--------|---------|--|
|    |       |       |       |    | rteres.txt |       |        |         |  |
| 37 | 5.139 | 5.119 | 5.178 | PH | 488        | 2116  | 0.03%  | 0.002%  |  |
| 38 | 5.182 | 5.178 | 5.190 | PH | -91        | -1073 | -0.02% | -0.001% |  |
| 39 | 5.208 | 5.190 | 5.235 | PH | -54        | -3689 | -0.06% | -0.004% |  |
| 40 | 5.249 | 5.235 | 5.271 | PH | -85        | -3059 | -0.05% | -0.003% |  |
| 41 | 5.303 | 5.271 | 5.309 | PH | 44         | -1614 | -0.03% | -0.002% |  |
| 42 | 5.314 | 5.309 | 5.347 | PH | -12        | -2363 | -0.04% | -0.002% |  |
| 43 | 5.354 | 5.347 | 5.362 | PH | -119       | -1520 | -0.02% | -0.001% |  |
| 44 | 5.368 | 5.362 | 5.370 | PH | -146       | -837  | -0.01% | -0.001% |  |
| 45 | 5.417 | 5.370 | 5.430 | PH | 439        | 4123  | 0.07%  | 0.004%  |  |
| 46 | 5.437 | 5.430 | 5.459 | HH | 481        | 6062  | 0.10%  | 0.006%  |  |
| 47 | 5.474 | 5.459 | 5.497 | HH | 372        | 5541  | 0.09%  | 0.005%  |  |
| 48 | 5.503 | 5.497 | 5.523 | HH | 169        | 1752  | 0.03%  | 0.002%  |  |
| 49 | 5.527 | 5.523 | 5.566 | HH | 125        | -1413 | -0.02% | -0.001% |  |
| 50 | 5.583 | 5.566 | 5.597 | PH | 66         | -1299 | -0.02% | -0.001% |  |
| 51 | 5.602 | 5.597 | 5.615 | PH | 2          | -1068 | -0.02% | -0.001% |  |
| 52 | 5.635 | 5.615 | 5.655 | PH | 9          | -2051 | -0.03% | -0.002% |  |
| 53 | 5.692 | 5.655 | 5.753 | PH | 1603       | 45211 | 0.74%  | 0.044%  |  |
| 54 | 5.771 | 5.753 | 5.795 | HH | 975        | 15912 | 0.26%  | 0.016%  |  |
| 55 | 5.801 | 5.795 | 5.816 | HH | 408        | 4032  | 0.07%  | 0.004%  |  |
| 56 | 5.837 | 5.816 | 5.889 | HH | 604        | 11534 | 0.19%  | 0.011%  |  |
| 57 | 5.910 | 5.889 | 5.932 | HH | 357        | 5463  | 0.09%  | 0.005%  |  |
| 58 | 5.941 | 5.932 | 5.948 | HH | 330        | 2394  | 0.04%  | 0.002%  |  |
| 59 | 5.953 | 5.948 | 5.977 | HH | 362        | 3338  | 0.05%  | 0.003%  |  |
| 60 | 6.013 | 5.977 | 6.022 | HH | 463        | 9779  | 0.16%  | 0.010%  |  |
| 61 | 6.028 | 6.022 | 6.043 | HH | 673        | 5487  | 0.09%  | 0.005%  |  |
| 62 | 6.064 | 6.043 | 6.092 | HH | 796        | 16731 | 0.27%  | 0.016%  |  |
| 63 | 6.113 | 6.092 | 6.165 | HH | 1123       | 27271 | 0.45%  | 0.027%  |  |
| 64 | 6.172 | 6.165 | 6.211 | HH | 358        | 6511  | 0.11%  | 0.006%  |  |
| 65 | 6.224 | 6.211 | 6.235 | HH | 200        | 2379  | 0.04%  | 0.002%  |  |
| 66 | 6.258 | 6.235 | 6.276 | HH | 1778       | 21535 | 0.35%  | 0.021%  |  |
| 67 | 6.287 | 6.276 | 6.312 | HH | 449        | 6055  | 0.10%  | 0.006%  |  |
| 68 | 6.323 | 6.312 | 6.339 | HH | 211        | 1757  | 0.03%  | 0.002%  |  |
| 69 | 6.355 | 6.339 | 6.371 | HH | 239        | 2479  | 0.04%  | 0.002%  |  |
| 70 | 6.382 | 6.371 | 6.405 | HH | 196        | 2965  | 0.05%  | 0.003%  |  |
| 71 | 6.427 | 6.405 | 6.447 | HH | 701        | 10807 | 0.18%  | 0.011%  |  |
| 72 | 6.457 | 6.447 | 6.470 | HH | 351        | 4339  | 0.07%  | 0.004%  |  |
| 73 | 6.484 | 6.470 | 6.492 | HH | 461        | 5040  | 0.08%  | 0.005%  |  |
| 74 | 6.498 | 6.492 | 6.504 | HH | 453        | 2945  | 0.05%  | 0.003%  |  |
| 75 | 6.509 | 6.504 | 6.525 | HH | 425        | 4363  | 0.07%  | 0.004%  |  |
| 76 | 6.547 | 6.525 | 6.571 | HH | 564        | 11518 | 0.19%  | 0.011%  |  |
| 77 | 6.587 | 6.571 | 6.596 | HH | 549        | 6947  | 0.11%  | 0.007%  |  |
| 78 | 6.622 | 6.596 | 6.640 | HH | 766        | 14542 | 0.24%  | 0.014%  |  |
| 79 | 6.666 | 6.640 | 6.689 | HH | 822        | 16706 | 0.27%  | 0.016%  |  |
| 80 | 6.711 | 6.689 | 6.728 | HH | 1300       | 20831 | 0.34%  | 0.020%  |  |
| 81 | 6.746 | 6.728 | 6.757 | HH | 1465       | 21947 | 0.36%  | 0.022%  |  |
| 82 | 6.767 | 6.757 | 6.789 | HH | 1328       | 21671 | 0.35%  | 0.021%  |  |
| 83 | 6.808 | 6.789 | 6.844 | HH | 2053       | 37278 | 0.61%  | 0.037%  |  |
| 84 | 6.868 | 6.844 | 6.892 | HH | 1414       | 29882 | 0.49%  | 0.029%  |  |
| 85 | 6.904 | 6.892 | 6.918 | HH | 947        | 13646 | 0.22%  | 0.013%  |  |
| 86 | 6.924 | 6.918 | 6.939 | HH | 698        | 7724  | 0.13%  | 0.008%  |  |
| 87 | 6.974 | 6.939 | 7.010 | HH | 1172       | 32931 | 0.54%  | 0.032%  |  |
| 88 | 7.030 | 7.010 | 7.060 | HH | 1354       | 24834 | 0.41%  | 0.024%  |  |
| 89 | 7.085 | 7.060 | 7.129 | HH | 715        | 23815 | 0.39%  | 0.023%  |  |

|     |       |       |       |    |            |        |        |        |
|-----|-------|-------|-------|----|------------|--------|--------|--------|
|     |       |       |       |    | rteres.txt |        |        |        |
| 90  | 7.146 | 7.129 | 7.172 | HH | 613        | 12562  | 0.21%  | 0.012% |
| 91  | 7.199 | 7.172 | 7.225 | HH | 1238       | 22364  | 0.37%  | 0.022% |
| 92  | 7.241 | 7.225 | 7.277 | HH | 611        | 14334  | 0.23%  | 0.014% |
| 93  | 7.294 | 7.277 | 7.324 | HH | 828        | 15439  | 0.25%  | 0.015% |
| 94  | 7.328 | 7.324 | 7.330 | HH | 348        | 1250   | 0.02%  | 0.001% |
| 95  | 7.359 | 7.330 | 7.375 | HH | 831        | 14573  | 0.24%  | 0.014% |
| 96  | 7.389 | 7.375 | 7.427 | HH | 773        | 15212  | 0.25%  | 0.015% |
| 97  | 7.485 | 7.427 | 7.535 | HH | 1700       | 68773  | 1.13%  | 0.068% |
| 98  | 7.544 | 7.535 | 7.564 | HH | 967        | 15383  | 0.25%  | 0.015% |
| 99  | 7.615 | 7.564 | 7.637 | HH | 2861       | 78916  | 1.29%  | 0.077% |
| 100 | 7.648 | 7.637 | 7.684 | HH | 2596       | 54095  | 0.89%  | 0.053% |
| 101 | 7.719 | 7.684 | 7.782 | HH | 5030       | 169150 | 2.77%  | 0.166% |
| 102 | 7.815 | 7.782 | 7.872 | HH | 8006       | 203133 | 3.33%  | 0.199% |
| 103 | 7.895 | 7.872 | 7.931 | HH | 4426       | 119322 | 1.95%  | 0.117% |
| 104 | 7.994 | 7.931 | 8.070 | HH | 28103      | 669210 | 10.95% | 0.657% |
| 105 | 8.090 | 8.070 | 8.124 | HH | 3549       | 87168  | 1.43%  | 0.086% |
| 106 | 8.130 | 8.124 | 8.207 | HH | 2150       | 74083  | 1.21%  | 0.073% |
| 107 | 8.217 | 8.207 | 8.222 | HH | 1179       | 10384  | 0.17%  | 0.010% |
| 108 | 8.252 | 8.222 | 8.257 | HH | 1792       | 32140  | 0.53%  | 0.032% |
| 109 | 8.286 | 8.257 | 8.335 | HH | 36061      | 556008 | 9.10%  | 0.546% |
| 110 | 8.350 | 8.335 | 8.409 | HH | 4417       | 145409 | 2.38%  | 0.143% |
| 111 | 8.428 | 8.409 | 8.466 | HH | 4447       | 100613 | 1.65%  | 0.099% |
| 112 | 8.480 | 8.466 | 8.507 | HH | 2501       | 50609  | 0.83%  | 0.050% |
| 113 | 8.533 | 8.507 | 8.554 | HH | 5162       | 98778  | 1.62%  | 0.097% |
| 114 | 8.577 | 8.554 | 8.587 | HH | 4221       | 77833  | 1.27%  | 0.076% |
| 115 | 8.615 | 8.587 | 8.639 | HH | 5347       | 139159 | 2.28%  | 0.137% |
| 116 | 8.656 | 8.639 | 8.681 | HH | 4363       | 95682  | 1.57%  | 0.094% |
| 117 | 8.700 | 8.681 | 8.722 | HH | 5970       | 110274 | 1.81%  | 0.108% |
| 118 | 8.742 | 8.722 | 8.792 | HH | 7331       | 175747 | 2.88%  | 0.173% |
| 119 | 8.820 | 8.792 | 8.834 | HH | 3526       | 74954  | 1.23%  | 0.074% |
| 120 | 8.851 | 8.834 | 8.871 | HH | 7902       | 121747 | 1.99%  | 0.120% |
| 121 | 8.890 | 8.871 | 8.918 | HH | 7178       | 136276 | 2.23%  | 0.134% |
| 122 | 8.940 | 8.918 | 8.972 | HH | 9304       | 194452 | 3.18%  | 0.191% |
| 123 | 8.987 | 8.972 | 9.011 | HH | 7394       | 129543 | 2.12%  | 0.127% |
| 124 | 9.030 | 9.011 | 9.050 | HH | 7431       | 123208 | 2.02%  | 0.121% |
| 125 | 9.074 | 9.050 | 9.128 | HH | 28114      | 596719 | 9.77%  | 0.586% |
| 126 | 9.148 | 9.128 | 9.168 | HH | 8287       | 156409 | 2.56%  | 0.154% |
| 127 | 9.191 | 9.168 | 9.200 | HH | 6113       | 100408 | 1.64%  | 0.099% |
| 128 | 9.220 | 9.200 | 9.255 | HH | 12167      | 267301 | 4.38%  | 0.262% |
| 129 | 9.277 | 9.255 | 9.320 | HH | 10523      | 271831 | 4.45%  | 0.267% |
| 130 | 9.337 | 9.320 | 9.370 | HH | 6167       | 142100 | 2.33%  | 0.140% |
| 131 | 9.397 | 9.370 | 9.432 | HH | 11884      | 265265 | 4.34%  | 0.260% |
| 132 | 9.442 | 9.432 | 9.462 | HH | 5209       | 84558  | 1.38%  | 0.083% |
| 133 | 9.503 | 9.462 | 9.545 | HH | 9480       | 303724 | 4.97%  | 0.298% |
| 134 | 9.558 | 9.545 | 9.614 | HH | 4816       | 171070 | 2.80%  | 0.168% |
| 135 | 9.643 | 9.614 | 9.681 | HH | 6374       | 205737 | 3.37%  | 0.202% |
| 136 | 9.692 | 9.681 | 9.726 | HH | 4169       | 96393  | 1.58%  | 0.095% |
| 137 | 9.738 | 9.726 | 9.745 | HH | 3077       | 34232  | 0.56%  | 0.034% |
| 138 | 9.771 | 9.745 | 9.792 | HH | 3710       | 96076  | 1.57%  | 0.094% |
| 139 | 9.813 | 9.792 | 9.849 | HH | 5797       | 153384 | 2.51%  | 0.151% |
| 140 | 9.873 | 9.849 | 9.893 | HH | 4786       | 109938 | 1.80%  | 0.108% |
| 141 | 9.916 | 9.893 | 9.922 | HH | 6518       | 87670  | 1.44%  | 0.086% |

| rteres.txt |        |        |        |    |        |         |         |        |
|------------|--------|--------|--------|----|--------|---------|---------|--------|
| 142        | 9.952  | 9.922  | 9.976  | HH | 18004  | 377823  | 6.18%   | 0.371% |
| 143        | 9.993  | 9.976  | 10.042 | HH | 12377  | 314550  | 5.15%   | 0.309% |
| 144        | 10.066 | 10.042 | 10.105 | HH | 14002  | 354092  | 5.80%   | 0.348% |
| 145        | 10.122 | 10.105 | 10.170 | HH | 8494   | 264048  | 4.32%   | 0.259% |
|            |        |        |        |    |        |         |         |        |
| 146        | 10.200 | 10.170 | 10.210 | HH | 7788   | 154566  | 2.53%   | 0.152% |
| 147        | 10.236 | 10.210 | 10.253 | HH | 18143  | 326916  | 5.35%   | 0.321% |
| 148        | 10.276 | 10.253 | 10.329 | HH | 20190  | 582280  | 9.53%   | 0.572% |
| 149        | 10.343 | 10.329 | 10.351 | HH | 7204   | 91859   | 1.50%   | 0.090% |
| 150        | 10.371 | 10.351 | 10.390 | HH | 10337  | 194821  | 3.19%   | 0.191% |
|            |        |        |        |    |        |         |         |        |
| 151        | 10.401 | 10.390 | 10.421 | HH | 7086   | 114736  | 1.88%   | 0.113% |
| 152        | 10.465 | 10.421 | 10.520 | HH | 315385 | 4292164 | 70.26%  | 4.215% |
| 153        | 10.543 | 10.520 | 10.628 | HH | 115916 | 2107876 | 34.51%  | 2.070% |
| 154        | 10.641 | 10.628 | 10.712 | HH | 7729   | 318524  | 5.21%   | 0.313% |
| 155        | 10.731 | 10.712 | 10.751 | HH | 5144   | 114106  | 1.87%   | 0.112% |
|            |        |        |        |    |        |         |         |        |
| 156        | 10.781 | 10.751 | 10.804 | HH | 8340   | 201765  | 3.30%   | 0.198% |
| 157        | 10.816 | 10.804 | 10.820 | HH | 6652   | 61101   | 1.00%   | 0.060% |
| 158        | 10.839 | 10.820 | 10.847 | HH | 7541   | 116469  | 1.91%   | 0.114% |
| 159        | 10.865 | 10.847 | 10.888 | HH | 9377   | 195966  | 3.21%   | 0.192% |
| 160        | 10.905 | 10.888 | 10.935 | HH | 6842   | 185133  | 3.03%   | 0.182% |
|            |        |        |        |    |        |         |         |        |
| 161        | 10.961 | 10.935 | 10.975 | HH | 8458   | 180863  | 2.96%   | 0.178% |
| 162        | 11.000 | 10.975 | 11.042 | HH | 22015  | 476037  | 7.79%   | 0.467% |
| 163        | 11.069 | 11.042 | 11.095 | HH | 11438  | 275545  | 4.51%   | 0.271% |
| 164        | 11.127 | 11.095 | 11.184 | HH | 9996   | 430367  | 7.05%   | 0.423% |
| 165        | 11.194 | 11.184 | 11.212 | HH | 6448   | 102679  | 1.68%   | 0.101% |
|            |        |        |        |    |        |         |         |        |
| 166        | 11.267 | 11.212 | 11.283 | HH | 53844  | 856636  | 14.02%  | 0.841% |
| 167        | 11.299 | 11.283 | 11.344 | HH | 57603  | 962071  | 15.75%  | 0.945% |
| 168        | 11.375 | 11.344 | 11.400 | HH | 95854  | 1512956 | 24.77%  | 1.486% |
| 169        | 11.414 | 11.400 | 11.428 | HH | 35326  | 478264  | 7.83%   | 0.470% |
| 170        | 11.445 | 11.428 | 11.512 | HH | 46226  | 1005252 | 16.46%  | 0.987% |
|            |        |        |        |    |        |         |         |        |
| 171        | 11.531 | 11.512 | 11.545 | HH | 7223   | 132149  | 2.16%   | 0.130% |
| 172        | 11.562 | 11.545 | 11.620 | HH | 7238   | 286379  | 4.69%   | 0.281% |
| 173        | 11.675 | 11.620 | 11.713 | HH | 8990   | 416670  | 6.82%   | 0.409% |
| 174        | 11.741 | 11.713 | 11.789 | HH | 42291  | 867004  | 14.19%  | 0.851% |
| 175        | 11.797 | 11.789 | 11.850 | HH | 9298   | 287096  | 4.70%   | 0.282% |
|            |        |        |        |    |        |         |         |        |
| 176        | 11.883 | 11.850 | 11.909 | HH | 9800   | 282616  | 4.63%   | 0.278% |
| 177        | 11.920 | 11.909 | 11.946 | HH | 6920   | 143553  | 2.35%   | 0.141% |
| 178        | 11.993 | 11.946 | 11.998 | HH | 11333  | 257256  | 4.21%   | 0.253% |
| 179        | 12.011 | 11.998 | 12.037 | HH | 12164  | 242405  | 3.97%   | 0.238% |
| 180        | 12.059 | 12.037 | 12.105 | HH | 16231  | 459774  | 7.53%   | 0.451% |
|            |        |        |        |    |        |         |         |        |
| 181        | 12.134 | 12.105 | 12.139 | HH | 18035  | 273995  | 4.49%   | 0.269% |
| 182        | 12.164 | 12.139 | 12.184 | HH | 43248  | 750385  | 12.28%  | 0.737% |
| 183        | 12.203 | 12.184 | 12.219 | HH | 30182  | 522780  | 8.56%   | 0.513% |
| 184        | 12.227 | 12.219 | 12.252 | HH | 22742  | 392622  | 6.43%   | 0.386% |
| 185        | 12.281 | 12.252 | 12.355 | HH | 445977 | 6108725 | 100.00% | 5.999% |
|            |        |        |        |    |        |         |         |        |
| 186        | 12.378 | 12.355 | 12.394 | HH | 10603  | 226615  | 3.71%   | 0.223% |
| 187        | 12.420 | 12.394 | 12.457 | HH | 83860  | 1492576 | 24.43%  | 1.466% |
| 188        | 12.466 | 12.457 | 12.488 | HH | 21271  | 330327  | 5.41%   | 0.324% |
| 189        | 12.527 | 12.488 | 12.547 | HH | 25463  | 617178  | 10.10%  | 0.606% |
| 190        | 12.576 | 12.547 | 12.618 | HH | 443046 | 5918684 | 96.89%  | 5.812% |
|            |        |        |        |    |        |         |         |        |
| 191        | 12.636 | 12.618 | 12.654 | HH | 33463  | 534816  | 8.75%   | 0.525% |
| 192        | 12.674 | 12.654 | 12.730 | HH | 38668  | 941117  | 15.41%  | 0.924% |
| 193        | 12.762 | 12.730 | 12.805 | HH | 14659  | 488876  | 8.00%   | 0.480% |
| 194        | 12.824 | 12.805 | 12.835 | HH | 9645   | 164635  | 2.70%   | 0.162% |

|            |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| rteres.txt |        |        |        |    |        |         |        |        |
| 195        | 12.859 | 12.835 | 12.894 | HH | 21718  | 522515  | 8.55%  | 0.513% |
| 196        | 12.911 | 12.894 | 12.943 | HH | 13885  | 327882  | 5.37%  | 0.322% |
| 197        | 12.990 | 12.943 | 13.015 | HH | 17213  | 572954  | 9.38%  | 0.563% |
| 198        | 13.040 | 13.015 | 13.111 | HH | 32351  | 951152  | 15.57% | 0.934% |
| 199        | 13.170 | 13.111 | 13.215 | HH | 84889  | 1991863 | 32.61% | 1.956% |
| 200        | 13.228 | 13.215 | 13.252 | HH | 15902  | 319861  | 5.24%  | 0.314% |
| 201        | 13.276 | 13.252 | 13.298 | HH | 75501  | 1170218 | 19.16% | 1.149% |
| 202        | 13.314 | 13.298 | 13.369 | HH | 43855  | 1000559 | 16.38% | 0.983% |
| 203        | 13.401 | 13.369 | 13.419 | HH | 32592  | 693275  | 11.35% | 0.681% |
| 204        | 13.440 | 13.419 | 13.464 | HH | 41424  | 814046  | 13.33% | 0.799% |
| 205        | 13.484 | 13.464 | 13.513 | HH | 36943  | 762827  | 12.49% | 0.749% |
| 206        | 13.529 | 13.513 | 13.591 | HH | 16631  | 611880  | 10.02% | 0.601% |
| 207        | 13.610 | 13.591 | 13.629 | HH | 11778  | 246500  | 4.04%  | 0.242% |
| 208        | 13.660 | 13.629 | 13.717 | HH | 11279  | 548501  | 8.98%  | 0.539% |
| 209        | 13.750 | 13.717 | 13.793 | HH | 12614  | 478827  | 7.84%  | 0.470% |
| 210        | 13.810 | 13.793 | 13.825 | HH | 10524  | 185588  | 3.04%  | 0.182% |
| 211        | 13.878 | 13.825 | 13.932 | HH | 21619  | 967301  | 15.83% | 0.950% |
| 212        | 13.982 | 13.932 | 14.002 | HH | 21011  | 683903  | 11.20% | 0.672% |
| 213        | 14.007 | 14.002 | 14.034 | HH | 19415  | 317615  | 5.20%  | 0.312% |
| 214        | 14.038 | 14.034 | 14.059 | HH | 13211  | 179794  | 2.94%  | 0.177% |
| 215        | 14.089 | 14.059 | 14.114 | HH | 26160  | 666820  | 10.92% | 0.655% |
| 216        | 14.142 | 14.114 | 14.185 | HH | 59991  | 1424281 | 23.32% | 1.399% |
| 217        | 14.206 | 14.185 | 14.240 | HH | 22323  | 585450  | 9.58%  | 0.575% |
| 218        | 14.269 | 14.240 | 14.289 | HH | 15969  | 421186  | 6.89%  | 0.414% |
| 219        | 14.330 | 14.289 | 14.384 | HH | 21705  | 907687  | 14.86% | 0.891% |
| 220        | 14.414 | 14.384 | 14.434 | HH | 59591  | 998033  | 16.34% | 0.980% |
| 221        | 14.457 | 14.434 | 14.476 | HH | 200491 | 2734042 | 44.76% | 2.685% |
| 222        | 14.497 | 14.476 | 14.582 | HH | 176211 | 3441451 | 56.34% | 3.379% |
| 223        | 14.616 | 14.582 | 14.637 | HH | 45173  | 908210  | 14.87% | 0.892% |
| 224        | 14.654 | 14.637 | 14.723 | HH | 34230  | 1136559 | 18.61% | 1.116% |
| 225        | 14.765 | 14.723 | 14.781 | HH | 18587  | 578462  | 9.47%  | 0.568% |
| 226        | 14.806 | 14.781 | 14.879 | HH | 22236  | 965743  | 15.81% | 0.948% |
| 227        | 14.912 | 14.879 | 14.935 | HH | 18481  | 557118  | 9.12%  | 0.547% |
| 228        | 14.949 | 14.935 | 14.989 | HH | 16832  | 473677  | 7.75%  | 0.465% |
| 229        | 15.051 | 14.989 | 15.072 | HH | 19618  | 769536  | 12.60% | 0.756% |
| 230        | 15.090 | 15.072 | 15.107 | HH | 21841  | 413245  | 6.76%  | 0.406% |
| 231        | 15.132 | 15.107 | 15.155 | HH | 50959  | 948326  | 15.52% | 0.931% |
| 232        | 15.172 | 15.155 | 15.200 | HH | 27619  | 609383  | 9.98%  | 0.598% |
| 233        | 15.219 | 15.200 | 15.248 | HH | 29482  | 660349  | 10.81% | 0.648% |
| 234        | 15.291 | 15.248 | 15.345 | HH | 48534  | 1789273 | 29.29% | 1.757% |
| 235        | 15.372 | 15.345 | 15.400 | HH | 24316  | 677186  | 11.09% | 0.665% |
| 236        | 15.405 | 15.400 | 15.435 | HH | 16806  | 322952  | 5.29%  | 0.317% |
| 237        | 15.458 | 15.435 | 15.495 | HH | 20524  | 604403  | 9.89%  | 0.594% |
| 238        | 15.547 | 15.495 | 15.616 | HH | 19325  | 1185625 | 19.41% | 1.164% |
| 239        | 15.634 | 15.616 | 15.663 | HH | 15415  | 409116  | 6.70%  | 0.402% |
| 240        | 15.702 | 15.663 | 15.712 | HH | 15152  | 422902  | 6.92%  | 0.415% |
| 241        | 15.731 | 15.712 | 15.753 | HH | 16773  | 385610  | 6.31%  | 0.379% |
| 242        | 15.776 | 15.753 | 15.793 | HH | 16387  | 372009  | 6.09%  | 0.365% |
| 243        | 15.826 | 15.793 | 15.859 | HH | 21971  | 739722  | 12.11% | 0.726% |
| 244        | 15.892 | 15.859 | 15.904 | HH | 19623  | 494305  | 8.09%  | 0.485% |
| 245        | 15.927 | 15.904 | 15.966 | HH | 23090  | 777155  | 12.72% | 0.763% |
| 246        | 16.021 | 15.966 | 16.119 | HH | 183483 | 4741265 | 77.61% | 4.656% |

|     |        |        |        |     |                         |           |        |        |
|-----|--------|--------|--------|-----|-------------------------|-----------|--------|--------|
|     |        |        |        |     | rteres.txt              |           |        |        |
| 247 | 16.154 | 16.119 | 16.239 | HH  | 56596                   | 1985953   | 32.51% | 1.950% |
| 248 | 16.298 | 16.239 | 16.313 | HH  | 27758                   | 958459    | 15.69% | 0.941% |
| 249 | 16.341 | 16.313 | 16.372 | HH  | 112847                  | 2053468   | 33.62% | 2.016% |
| 250 | 16.403 | 16.372 | 16.475 | HH  | 182333                  | 3720527   | 60.91% | 3.653% |
| 251 | 16.506 | 16.475 | 16.540 | HHA | 48206                   | 1233948   | 20.20% | 1.212% |
|     |        |        |        |     | Sum of corrected areas: | 101836321 |        |        |

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