

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG080318\  
 Data File : FG001944.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Aug 2018 15:24  
 Sample : J4305-16  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG073018.M  
 Title :

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.155       | 2.135        | 2.204      | PH       | 2290           | 18859        | 0.10%          | 0.003%        |
| 2         | 2.222       | 2.204        | 2.264      | PH       | 221            | 1298         | 0.01%          | 0.000%        |
| 3         | 2.279       | 2.264        | 2.292      | PH       | 263            | 1580         | 0.01%          | 0.000%        |
| 4         | 2.322       | 2.292        | 2.352      | HH       | 651            | 11172        | 0.06%          | 0.002%        |
| 5         | 2.374       | 2.352        | 2.405      | HH       | 798            | 10799        | 0.06%          | 0.002%        |
| 6         | 2.421       | 2.405        | 2.433      | HH       | 2909           | 23080        | 0.13%          | 0.004%        |
| 7         | 2.440       | 2.433        | 2.455      | HH       | 1359           | 10647        | 0.06%          | 0.002%        |
| 8         | 2.472       | 2.455        | 2.485      | HH       | 2693           | 21525        | 0.12%          | 0.004%        |
| 9         | 2.498       | 2.485        | 2.575      | HH       | 1184           | 24720        | 0.13%          | 0.004%        |
| 10        | 2.606       | 2.575        | 2.669      | HH       | 725            | 15504        | 0.08%          | 0.003%        |
| 11        | 2.692       | 2.669        | 2.721      | PH       | 2328           | 37999        | 0.21%          | 0.006%        |
| 12        | 2.731       | 2.721        | 2.740      | HH       | 669            | 5890         | 0.03%          | 0.001%        |
| 13        | 2.753       | 2.740        | 2.774      | HH       | 1293           | 13931        | 0.08%          | 0.002%        |
| 14        | 2.798       | 2.774        | 2.833      | HH       | 773            | 18387        | 0.10%          | 0.003%        |
| 15        | 2.868       | 2.833        | 2.880      | HH       | 1063           | 16494        | 0.09%          | 0.003%        |
| 16        | 2.886       | 2.880        | 2.893      | HH       | 755            | 5562         | 0.03%          | 0.001%        |
| 17        | 2.911       | 2.893        | 2.935      | HH       | 3336           | 37569        | 0.20%          | 0.006%        |
| 18        | 2.949       | 2.935        | 2.958      | HH       | 785            | 9173         | 0.05%          | 0.002%        |
| 19        | 2.980       | 2.958        | 3.042      | HH       | 1730           | 39741        | 0.22%          | 0.007%        |
| 20        | 3.062       | 3.042        | 3.081      | HH       | 886            | 11396        | 0.06%          | 0.002%        |
| 21        | 3.098       | 3.081        | 3.134      | HH       | 1434           | 17989        | 0.10%          | 0.003%        |
| 22        | 3.165       | 3.134        | 3.216      | HH       | 2294           | 51909        | 0.28%          | 0.009%        |
| 23        | 3.279       | 3.216        | 3.291      | HH       | 1280           | 21709        | 0.12%          | 0.004%        |
| 24        | 3.304       | 3.291        | 3.321      | HH       | 1434           | 14134        | 0.08%          | 0.002%        |
| 25        | 3.343       | 3.321        | 3.388      | HH       | 1951           | 38364        | 0.21%          | 0.006%        |
| 26        | 3.423       | 3.388        | 3.465      | HH       | 2954           | 52864        | 0.29%          | 0.009%        |
| 27        | 3.486       | 3.465        | 3.513      | HH       | 1176           | 25610        | 0.14%          | 0.004%        |
| 28        | 3.532       | 3.513        | 3.574      | HH       | 3171           | 52812        | 0.29%          | 0.009%        |
| 29        | 3.602       | 3.574        | 3.633      | HH       | 1772           | 42669        | 0.23%          | 0.007%        |
| 30        | 3.649       | 3.633        | 3.676      | HH       | 1759           | 29478        | 0.16%          | 0.005%        |
| 31        | 3.691       | 3.676        | 3.711      | HH       | 2301           | 25076        | 0.14%          | 0.004%        |
| 32        | 3.735       | 3.711        | 3.785      | HH       | 3082           | 53133        | 0.29%          | 0.009%        |
| 33        | 3.824       | 3.785        | 3.837      | HH       | 2635           | 49497        | 0.27%          | 0.008%        |
| 34        | 3.855       | 3.837        | 3.897      | HH       | 3708           | 84662        | 0.46%          | 0.014%        |
| 35        | 3.916       | 3.897        | 3.944      | HH       | 2432           | 46120        | 0.25%          | 0.008%        |
| 36        | 3.987       | 3.944        | 4.012      | HH       | 3652           | 76125        | 0.41%          | 0.013%        |

|    |       |       |       |    | rteres.txt |        |       |        |
|----|-------|-------|-------|----|------------|--------|-------|--------|
| 37 | 4.026 | 4.012 | 4.045 | HH | 2343       | 35257  | 0.19% | 0.006% |
| 38 | 4.055 | 4.045 | 4.105 | HH | 1414       | 35472  | 0.19% | 0.006% |
| 39 | 4.135 | 4.105 | 4.157 | HH | 1549       | 33018  | 0.18% | 0.005% |
| 40 | 4.174 | 4.157 | 4.192 | HH | 1584       | 24208  | 0.13% | 0.004% |
| 41 | 4.225 | 4.192 | 4.244 | HH | 4380       | 63077  | 0.34% | 0.010% |
| 42 | 4.262 | 4.244 | 4.279 | HH | 2206       | 30100  | 0.16% | 0.005% |
| 43 | 4.298 | 4.279 | 4.348 | HH | 1632       | 43726  | 0.24% | 0.007% |
| 44 | 4.374 | 4.348 | 4.392 | HH | 1693       | 32948  | 0.18% | 0.005% |
| 45 | 4.416 | 4.392 | 4.424 | HH | 2024       | 30406  | 0.17% | 0.005% |
| 46 | 4.440 | 4.424 | 4.462 | HH | 2796       | 51271  | 0.28% | 0.008% |
| 47 | 4.478 | 4.462 | 4.492 | HH | 4404       | 50072  | 0.27% | 0.008% |
| 48 | 4.501 | 4.492 | 4.518 | HH | 2518       | 28355  | 0.15% | 0.005% |
| 49 | 4.530 | 4.518 | 4.563 | HH | 1415       | 31312  | 0.17% | 0.005% |
| 50 | 4.598 | 4.563 | 4.612 | HH | 2083       | 44168  | 0.24% | 0.007% |
| 51 | 4.637 | 4.612 | 4.659 | HH | 2074       | 47177  | 0.26% | 0.008% |
| 52 | 4.686 | 4.659 | 4.718 | HH | 4269       | 71357  | 0.39% | 0.012% |
| 53 | 4.746 | 4.718 | 4.797 | HH | 1361       | 46826  | 0.25% | 0.008% |
| 54 | 4.833 | 4.797 | 4.847 | HH | 1715       | 38997  | 0.21% | 0.006% |
| 55 | 4.862 | 4.847 | 4.885 | HH | 2230       | 35225  | 0.19% | 0.006% |
| 56 | 4.903 | 4.885 | 4.920 | HH | 2719       | 39353  | 0.21% | 0.007% |
| 57 | 4.933 | 4.920 | 4.946 | HH | 2141       | 27414  | 0.15% | 0.005% |
| 58 | 4.963 | 4.946 | 5.003 | HH | 2370       | 54616  | 0.30% | 0.009% |
| 59 | 5.019 | 5.003 | 5.036 | HH | 1082       | 17963  | 0.10% | 0.003% |
| 60 | 5.056 | 5.036 | 5.066 | HH | 1368       | 19432  | 0.11% | 0.003% |
| 61 | 5.082 | 5.066 | 5.104 | HH | 2183       | 36400  | 0.20% | 0.006% |
| 62 | 5.122 | 5.104 | 5.130 | HH | 1959       | 26648  | 0.14% | 0.004% |
| 63 | 5.141 | 5.130 | 5.163 | HH | 2084       | 31617  | 0.17% | 0.005% |
| 64 | 5.179 | 5.163 | 5.218 | HH | 1356       | 33704  | 0.18% | 0.006% |
| 65 | 5.259 | 5.218 | 5.318 | HH | 7324       | 149859 | 0.81% | 0.025% |
| 66 | 5.333 | 5.318 | 5.359 | HH | 3042       | 43519  | 0.24% | 0.007% |
| 67 | 5.375 | 5.359 | 5.395 | HH | 1435       | 26358  | 0.14% | 0.004% |
| 68 | 5.437 | 5.395 | 5.475 | HH | 3603       | 89520  | 0.49% | 0.015% |
| 69 | 5.507 | 5.475 | 5.517 | HH | 1798       | 36273  | 0.20% | 0.006% |
| 70 | 5.549 | 5.517 | 5.575 | HH | 3697       | 88832  | 0.48% | 0.015% |
| 71 | 5.587 | 5.575 | 5.608 | HH | 1816       | 31653  | 0.17% | 0.005% |
| 72 | 5.624 | 5.608 | 5.637 | HH | 1715       | 25637  | 0.14% | 0.004% |
| 73 | 5.653 | 5.637 | 5.681 | HH | 1837       | 42087  | 0.23% | 0.007% |
| 74 | 5.711 | 5.681 | 5.734 | HH | 2017       | 53095  | 0.29% | 0.009% |
| 75 | 5.760 | 5.734 | 5.776 | HH | 2771       | 52010  | 0.28% | 0.009% |
| 76 | 5.799 | 5.776 | 5.838 | HH | 23665      | 307879 | 1.67% | 0.051% |
| 77 | 5.848 | 5.838 | 5.872 | HH | 2962       | 47870  | 0.26% | 0.008% |
| 78 | 5.895 | 5.872 | 5.918 | HH | 4021       | 66688  | 0.36% | 0.011% |
| 79 | 5.958 | 5.918 | 5.998 | HH | 2763       | 100740 | 0.55% | 0.017% |
| 80 | 6.033 | 5.998 | 6.052 | HH | 3056       | 69961  | 0.38% | 0.012% |
| 81 | 6.085 | 6.052 | 6.101 | HH | 2366       | 60663  | 0.33% | 0.010% |
| 82 | 6.111 | 6.101 | 6.122 | HH | 2054       | 24437  | 0.13% | 0.004% |
| 83 | 6.145 | 6.122 | 6.166 | HH | 3306       | 71346  | 0.39% | 0.012% |
| 84 | 6.181 | 6.166 | 6.214 | HH | 2785       | 70208  | 0.38% | 0.012% |
| 85 | 6.236 | 6.214 | 6.292 | HH | 8857       | 157173 | 0.85% | 0.026% |
| 86 | 6.319 | 6.292 | 6.338 | HH | 2156       | 48657  | 0.26% | 0.008% |
| 87 | 6.384 | 6.338 | 6.407 | HH | 6602       | 128701 | 0.70% | 0.021% |
| 88 | 6.419 | 6.407 | 6.448 | HH | 2557       | 50303  | 0.27% | 0.008% |
| 89 | 6.455 | 6.448 | 6.469 | HH | 1662       | 18968  | 0.10% | 0.003% |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 90         | 6.484 | 6.469 | 6.496 | HH | 1826  | 24630  | 0.13% | 0.004% |
| 91         | 6.510 | 6.496 | 6.528 | HH | 2335  | 34241  | 0.19% | 0.006% |
| 92         | 6.554 | 6.528 | 6.600 | HH | 3613  | 100882 | 0.55% | 0.017% |
| 93         | 6.625 | 6.600 | 6.644 | HH | 2650  | 60058  | 0.33% | 0.010% |
| 94         | 6.661 | 6.644 | 6.674 | HH | 2069  | 34400  | 0.19% | 0.006% |
| 95         | 6.688 | 6.674 | 6.707 | HH | 2071  | 37476  | 0.20% | 0.006% |
| 96         | 6.753 | 6.707 | 6.773 | HH | 3488  | 108213 | 0.59% | 0.018% |
| 97         | 6.791 | 6.773 | 6.818 | HH | 3368  | 69135  | 0.38% | 0.011% |
| 98         | 6.852 | 6.818 | 6.911 | HH | 23440 | 390479 | 2.12% | 0.065% |
| 99         | 6.936 | 6.911 | 6.961 | HH | 10027 | 155929 | 0.85% | 0.026% |
| 100        | 6.984 | 6.961 | 7.020 | HH | 26791 | 344262 | 1.87% | 0.057% |
| 101        | 7.031 | 7.020 | 7.082 | HH | 3055  | 89895  | 0.49% | 0.015% |
| 102        | 7.101 | 7.082 | 7.115 | HH | 3103  | 49592  | 0.27% | 0.008% |
| 103        | 7.133 | 7.115 | 7.141 | HH | 4499  | 55118  | 0.30% | 0.009% |
| 104        | 7.158 | 7.141 | 7.182 | HH | 10687 | 142740 | 0.78% | 0.024% |
| 105        | 7.197 | 7.182 | 7.213 | HH | 2604  | 47088  | 0.26% | 0.008% |
| 106        | 7.232 | 7.213 | 7.257 | HH | 3023  | 65994  | 0.36% | 0.011% |
| 107        | 7.284 | 7.257 | 7.301 | HH | 2537  | 58816  | 0.32% | 0.010% |
| 108        | 7.330 | 7.301 | 7.355 | HH | 4027  | 89827  | 0.49% | 0.015% |
| 109        | 7.376 | 7.355 | 7.393 | HH | 2330  | 48589  | 0.26% | 0.008% |
| 110        | 7.436 | 7.393 | 7.455 | HH | 3273  | 86841  | 0.47% | 0.014% |
| 111        | 7.492 | 7.455 | 7.509 | HH | 3130  | 75523  | 0.41% | 0.012% |
| 112        | 7.522 | 7.509 | 7.540 | HH | 2195  | 37278  | 0.20% | 0.006% |
| 113        | 7.579 | 7.540 | 7.661 | HH | 9165  | 293382 | 1.59% | 0.049% |
| 114        | 7.678 | 7.661 | 7.692 | HH | 2892  | 49707  | 0.27% | 0.008% |
| 115        | 7.730 | 7.692 | 7.765 | HH | 9625  | 236054 | 1.28% | 0.039% |
| 116        | 7.777 | 7.765 | 7.795 | HH | 4183  | 65151  | 0.35% | 0.011% |
| 117        | 7.844 | 7.795 | 7.883 | HH | 16954 | 423834 | 2.30% | 0.070% |
| 118        | 7.944 | 7.883 | 7.960 | HH | 40646 | 561649 | 3.05% | 0.093% |
| 119        | 7.972 | 7.960 | 7.992 | HH | 22572 | 278711 | 1.51% | 0.046% |
| 120        | 8.026 | 7.992 | 8.048 | HH | 13039 | 276704 | 1.50% | 0.046% |
| 121        | 8.086 | 8.048 | 8.106 | HH | 60862 | 798817 | 4.34% | 0.132% |
| 122        | 8.125 | 8.106 | 8.160 | HH | 31816 | 569595 | 3.09% | 0.094% |
| 123        | 8.174 | 8.160 | 8.197 | HH | 7536  | 126034 | 0.68% | 0.021% |
| 124        | 8.217 | 8.197 | 8.247 | HH | 9791  | 169096 | 0.92% | 0.028% |
| 125        | 8.265 | 8.247 | 8.329 | HH | 5193  | 159454 | 0.87% | 0.026% |
| 126        | 8.382 | 8.329 | 8.394 | HH | 5573  | 139856 | 0.76% | 0.023% |
| 127        | 8.420 | 8.394 | 8.451 | HH | 86588 | 984983 | 5.35% | 0.163% |
| 128        | 8.471 | 8.451 | 8.508 | HH | 16328 | 301397 | 1.64% | 0.050% |
| 129        | 8.539 | 8.508 | 8.548 | HH | 8621  | 168516 | 0.92% | 0.028% |
| 130        | 8.561 | 8.548 | 8.597 | HH | 10451 | 200577 | 1.09% | 0.033% |
| 131        | 8.614 | 8.597 | 8.632 | HH | 6440  | 111161 | 0.60% | 0.018% |
| 132        | 8.662 | 8.632 | 8.676 | HH | 18658 | 279070 | 1.52% | 0.046% |
| 133        | 8.694 | 8.676 | 8.722 | HH | 42003 | 557160 | 3.03% | 0.092% |
| 134        | 8.735 | 8.722 | 8.770 | HH | 7437  | 180793 | 0.98% | 0.030% |
| 135        | 8.787 | 8.770 | 8.812 | HH | 8465  | 155318 | 0.84% | 0.026% |
| 136        | 8.834 | 8.812 | 8.858 | HH | 19466 | 389121 | 2.11% | 0.064% |
| 137        | 8.872 | 8.858 | 8.918 | HH | 21928 | 349945 | 1.90% | 0.058% |
| 138        | 8.947 | 8.918 | 8.959 | HH | 4302  | 93598  | 0.51% | 0.015% |
| 139        | 8.987 | 8.959 | 9.004 | HH | 21566 | 306964 | 1.67% | 0.051% |
| 140        | 9.019 | 9.004 | 9.052 | HH | 17601 | 260361 | 1.41% | 0.043% |
| 141        | 9.070 | 9.052 | 9.086 | HH | 6138  | 102512 | 0.56% | 0.017% |

|     |        |        |        |    | rteres.txt |          |        |        |
|-----|--------|--------|--------|----|------------|----------|--------|--------|
| 142 | 9.122  | 9.086  | 9.147  | HH | 20739      | 369921   | 2.01%  | 0.061% |
| 143 | 9.165  | 9.147  | 9.178  | HH | 7115       | 107585   | 0.58%  | 0.018% |
| 144 | 9.204  | 9.178  | 9.255  | HH | 80531      | 1150014  | 6.25%  | 0.190% |
| 145 | 9.284  | 9.255  | 9.300  | HH | 23229      | 344513   | 1.87%  | 0.057% |
| 146 | 9.322  | 9.300  | 9.334  | HH | 14452      | 266512   | 1.45%  | 0.044% |
| 147 | 9.354  | 9.334  | 9.375  | HH | 30831      | 453075   | 2.46%  | 0.075% |
| 148 | 9.413  | 9.375  | 9.436  | HH | 21273      | 465410   | 2.53%  | 0.077% |
| 149 | 9.458  | 9.436  | 9.474  | HH | 8037       | 170610   | 0.93%  | 0.028% |
| 150 | 9.487  | 9.474  | 9.503  | HH | 7899       | 129998   | 0.71%  | 0.021% |
| 151 | 9.526  | 9.503  | 9.565  | HH | 38696      | 632972   | 3.44%  | 0.105% |
| 152 | 9.579  | 9.565  | 9.597  | HH | 11284      | 172948   | 0.94%  | 0.029% |
| 153 | 9.626  | 9.597  | 9.672  | HH | 60822      | 1056870  | 5.74%  | 0.175% |
| 154 | 9.688  | 9.672  | 9.705  | HH | 14894      | 225591   | 1.23%  | 0.037% |
| 155 | 9.720  | 9.705  | 9.752  | HH | 10183      | 224925   | 1.22%  | 0.037% |
| 156 | 9.791  | 9.752  | 9.865  | HH | 9282       | 387691   | 2.11%  | 0.064% |
| 157 | 9.895  | 9.865  | 9.918  | HH | 5039       | 145008   | 0.79%  | 0.024% |
| 158 | 9.949  | 9.918  | 9.965  | HH | 11174      | 209174   | 1.14%  | 0.035% |
| 159 | 9.974  | 9.965  | 9.985  | HH | 7471       | 83474    | 0.45%  | 0.014% |
| 160 | 10.011 | 9.985  | 10.035 | HH | 10895      | 258692   | 1.41%  | 0.043% |
| 161 | 10.085 | 10.035 | 10.108 | HH | 31646      | 788636   | 4.28%  | 0.130% |
| 162 | 10.126 | 10.108 | 10.172 | HH | 22774      | 485428   | 2.64%  | 0.080% |
| 163 | 10.203 | 10.172 | 10.237 | HH | 27797      | 609177   | 3.31%  | 0.101% |
| 164 | 10.261 | 10.237 | 10.309 | HH | 66159      | 1116891  | 6.07%  | 0.185% |
| 165 | 10.336 | 10.309 | 10.344 | HH | 12735      | 218476   | 1.19%  | 0.036% |
| 166 | 10.371 | 10.344 | 10.387 | HH | 42239      | 733555   | 3.98%  | 0.121% |
| 167 | 10.407 | 10.387 | 10.452 | HH | 56267      | 1274516  | 6.92%  | 0.211% |
| 168 | 10.476 | 10.452 | 10.491 | HH | 15649      | 337175   | 1.83%  | 0.056% |
| 169 | 10.509 | 10.491 | 10.527 | HH | 27951      | 413346   | 2.25%  | 0.068% |
| 170 | 10.542 | 10.527 | 10.559 | HH | 16534      | 277493   | 1.51%  | 0.046% |
| 171 | 10.612 | 10.559 | 10.654 | HH | 999736     | 12267013 | 66.63% | 2.028% |
| 172 | 10.681 | 10.654 | 10.709 | HH | 265612     | 3135054  | 17.03% | 0.518% |
| 173 | 10.719 | 10.709 | 10.771 | HH | 18422      | 545308   | 2.96%  | 0.090% |
| 174 | 10.787 | 10.771 | 10.808 | HH | 12187      | 252601   | 1.37%  | 0.042% |
| 175 | 10.818 | 10.808 | 10.835 | HH | 10922      | 164098   | 0.89%  | 0.027% |
| 176 | 10.860 | 10.835 | 10.880 | HH | 22483      | 414496   | 2.25%  | 0.069% |
| 177 | 10.903 | 10.880 | 10.939 | HH | 74513      | 1169265  | 6.35%  | 0.193% |
| 178 | 10.969 | 10.939 | 10.983 | HH | 14395      | 331068   | 1.80%  | 0.055% |
| 179 | 11.007 | 10.983 | 11.026 | HH | 19337      | 418215   | 2.27%  | 0.069% |
| 180 | 11.040 | 11.026 | 11.049 | HH | 16485      | 216403   | 1.18%  | 0.036% |
| 181 | 11.065 | 11.049 | 11.082 | HH | 23073      | 373933   | 2.03%  | 0.062% |
| 182 | 11.135 | 11.082 | 11.174 | HH | 47236      | 1421283  | 7.72%  | 0.235% |
| 183 | 11.207 | 11.174 | 11.233 | HH | 28812      | 708248   | 3.85%  | 0.117% |
| 184 | 11.256 | 11.233 | 11.279 | HH | 29002      | 558474   | 3.03%  | 0.092% |
| 185 | 11.302 | 11.279 | 11.323 | HH | 28342      | 496705   | 2.70%  | 0.082% |
| 186 | 11.334 | 11.323 | 11.348 | HH | 14681      | 199970   | 1.09%  | 0.033% |
| 187 | 11.366 | 11.348 | 11.377 | HH | 15413      | 248536   | 1.35%  | 0.041% |
| 188 | 11.407 | 11.377 | 11.422 | HH | 145461     | 1839367  | 9.99%  | 0.304% |
| 189 | 11.438 | 11.422 | 11.477 | HH | 183021     | 2461941  | 13.37% | 0.407% |
| 190 | 11.519 | 11.477 | 11.538 | HH | 159078     | 2697962  | 14.65% | 0.446% |
| 191 | 11.555 | 11.538 | 11.569 | HH | 97458      | 1217632  | 6.61%  | 0.201% |
| 192 | 11.585 | 11.569 | 11.625 | HH | 131664     | 1873948  | 10.18% | 0.310% |
| 193 | 11.643 | 11.625 | 11.651 | HH | 17360      | 233990   | 1.27%  | 0.039% |
| 194 | 11.678 | 11.651 | 11.710 | HH | 25220      | 693860   | 3.77%  | 0.115% |

|     |        |        |        |    | rteres.txt |          |         |        |
|-----|--------|--------|--------|----|------------|----------|---------|--------|
| 195 | 11.737 | 11.710 | 11.755 | HH | 32582      | 634942   | 3.45%   | 0.105% |
| 196 | 11.778 | 11.755 | 11.851 | HH | 120328     | 2378853  | 12.92%  | 0.393% |
| 197 | 11.877 | 11.851 | 11.920 | HH | 106843     | 1806435  | 9.81%   | 0.299% |
| 198 | 11.940 | 11.920 | 11.977 | HH | 25741      | 651347   | 3.54%   | 0.108% |
| 199 | 12.023 | 11.977 | 12.046 | HH | 29478      | 817499   | 4.44%   | 0.135% |
| 200 | 12.091 | 12.046 | 12.105 | HH | 24456      | 699527   | 3.80%   | 0.116% |
| 201 | 12.125 | 12.105 | 12.140 | HH | 35309      | 599747   | 3.26%   | 0.099% |
| 202 | 12.151 | 12.140 | 12.174 | HH | 31907      | 541385   | 2.94%   | 0.090% |
| 203 | 12.198 | 12.174 | 12.240 | HH | 49807      | 1279745  | 6.95%   | 0.212% |
| 204 | 12.271 | 12.240 | 12.290 | HH | 83075      | 1397701  | 7.59%   | 0.231% |
| 205 | 12.309 | 12.290 | 12.330 | HH | 94138      | 1467762  | 7.97%   | 0.243% |
| 206 | 12.349 | 12.330 | 12.362 | HH | 52264      | 874321   | 4.75%   | 0.145% |
| 207 | 12.377 | 12.362 | 12.396 | HH | 58154      | 978260   | 5.31%   | 0.162% |
| 208 | 12.438 | 12.396 | 12.475 | HH | 1305356    | 18411441 | 100.00% | 3.044% |
| 209 | 12.495 | 12.475 | 12.512 | HH | 31303      | 554546   | 3.01%   | 0.092% |
| 210 | 12.523 | 12.512 | 12.542 | HH | 24082      | 404429   | 2.20%   | 0.067% |
| 211 | 12.607 | 12.542 | 12.627 | HH | 68533      | 2096008  | 11.38%  | 0.347% |
| 212 | 12.648 | 12.627 | 12.688 | HH | 72547      | 1599265  | 8.69%   | 0.264% |
| 213 | 12.733 | 12.688 | 12.756 | HH | 1047571    | 14431549 | 78.38%  | 2.386% |
| 214 | 12.779 | 12.756 | 12.794 | HH | 124222     | 1661008  | 9.02%   | 0.275% |
| 215 | 12.810 | 12.794 | 12.844 | HH | 162107     | 2272638  | 12.34%  | 0.376% |
| 216 | 12.895 | 12.844 | 12.910 | HH | 68584      | 1490028  | 8.09%   | 0.246% |
| 217 | 12.926 | 12.910 | 12.955 | HH | 59708      | 1047564  | 5.69%   | 0.173% |
| 218 | 12.990 | 12.955 | 13.026 | HH | 101129     | 1946564  | 10.57%  | 0.322% |
| 219 | 13.068 | 13.026 | 13.094 | HH | 42052      | 1327690  | 7.21%   | 0.220% |
| 220 | 13.119 | 13.094 | 13.134 | HH | 60625      | 969609   | 5.27%   | 0.160% |
| 221 | 13.146 | 13.134 | 13.158 | HH | 44216      | 589255   | 3.20%   | 0.097% |
| 222 | 13.182 | 13.158 | 13.208 | HH | 100664     | 1836208  | 9.97%   | 0.304% |
| 223 | 13.219 | 13.208 | 13.248 | HH | 28454      | 627879   | 3.41%   | 0.104% |
| 224 | 13.312 | 13.248 | 13.350 | HH | 197433     | 4280117  | 23.25%  | 0.708% |
| 225 | 13.378 | 13.350 | 13.395 | HH | 42267      | 901997   | 4.90%   | 0.149% |
| 226 | 13.420 | 13.395 | 13.439 | HH | 101972     | 1652463  | 8.98%   | 0.273% |
| 227 | 13.458 | 13.439 | 13.479 | HH | 118331     | 1743985  | 9.47%   | 0.288% |
| 228 | 13.494 | 13.479 | 13.515 | HH | 52785      | 906038   | 4.92%   | 0.150% |
| 229 | 13.585 | 13.515 | 13.609 | HH | 104579     | 3428263  | 18.62%  | 0.567% |
| 230 | 13.628 | 13.609 | 13.671 | HH | 93748      | 2005459  | 10.89%  | 0.332% |
| 231 | 13.711 | 13.671 | 13.768 | HH | 53043      | 2221196  | 12.06%  | 0.367% |
| 232 | 13.788 | 13.768 | 13.827 | HH | 35564      | 1179095  | 6.40%   | 0.195% |
| 233 | 13.843 | 13.827 | 13.865 | HH | 35762      | 745284   | 4.05%   | 0.123% |
| 234 | 13.895 | 13.865 | 13.938 | HH | 42642      | 1460361  | 7.93%   | 0.241% |
| 235 | 14.017 | 13.938 | 14.032 | HH | 56698      | 2319175  | 12.60%  | 0.383% |
| 236 | 14.056 | 14.032 | 14.082 | HH | 144471     | 2395192  | 13.01%  | 0.396% |
| 237 | 14.091 | 14.082 | 14.102 | HH | 35801      | 426910   | 2.32%   | 0.071% |
| 238 | 14.144 | 14.102 | 14.199 | HH | 57598      | 2548705  | 13.84%  | 0.421% |
| 239 | 14.225 | 14.199 | 14.260 | HH | 138188     | 2744757  | 14.91%  | 0.454% |
| 240 | 14.288 | 14.260 | 14.314 | HH | 184320     | 3390114  | 18.41%  | 0.561% |
| 241 | 14.335 | 14.314 | 14.344 | HH | 81461      | 1226612  | 6.66%   | 0.203% |
| 242 | 14.364 | 14.344 | 14.393 | HH | 164089     | 2748738  | 14.93%  | 0.454% |
| 243 | 14.472 | 14.393 | 14.535 | HH | 140193     | 4950474  | 26.89%  | 0.819% |
| 244 | 14.562 | 14.535 | 14.575 | HH | 68579      | 1264014  | 6.87%   | 0.209% |
| 245 | 14.611 | 14.575 | 14.630 | HH | 590523     | 9237683  | 50.17%  | 1.527% |
| 246 | 14.654 | 14.630 | 14.684 | HH | 641510     | 8611149  | 46.77%  | 1.424% |

| rteres.txt |        |        |        |    |        |          |        |        |
|------------|--------|--------|--------|----|--------|----------|--------|--------|
| 247        | 14.698 | 14.684 | 14.727 | HH | 54702  | 1258477  | 6.84%  | 0.208% |
| 248        | 14.766 | 14.727 | 14.818 | HH | 132974 | 4036853  | 21.93% | 0.667% |
| 249        | 14.854 | 14.818 | 14.885 | HH | 80460  | 2304983  | 12.52% | 0.381% |
| 250        | 14.913 | 14.885 | 14.931 | HH | 112080 | 2011825  | 10.93% | 0.333% |
| 251        | 14.946 | 14.931 | 15.020 | HH | 85530  | 3282212  | 17.83% | 0.543% |
| 252        | 15.056 | 15.020 | 15.083 | HH | 123237 | 2944095  | 15.99% | 0.487% |
| 253        | 15.095 | 15.083 | 15.126 | HH | 59439  | 1331298  | 7.23%  | 0.220% |
| 254        | 15.194 | 15.126 | 15.213 | HH | 68799  | 2747193  | 14.92% | 0.454% |
| 255        | 15.278 | 15.213 | 15.299 | HH | 185910 | 4743049  | 25.76% | 0.784% |
| 256        | 15.314 | 15.299 | 15.347 | HH | 106104 | 2219495  | 12.05% | 0.367% |
| 257        | 15.363 | 15.347 | 15.394 | HH | 68070  | 1756545  | 9.54%  | 0.290% |
| 258        | 15.437 | 15.394 | 15.482 | HH | 112889 | 4354909  | 23.65% | 0.720% |
| 259        | 15.511 | 15.482 | 15.541 | HH | 78892  | 2252090  | 12.23% | 0.372% |
| 260        | 15.560 | 15.541 | 15.582 | HH | 59271  | 1352922  | 7.35%  | 0.224% |
| 261        | 15.599 | 15.582 | 15.636 | HH | 75124  | 1888393  | 10.26% | 0.312% |
| 262        | 15.662 | 15.636 | 15.682 | HH | 89058  | 1961569  | 10.65% | 0.324% |
| 263        | 15.696 | 15.682 | 15.754 | HH | 74288  | 2641696  | 14.35% | 0.437% |
| 264        | 15.776 | 15.754 | 15.794 | HH | 52103  | 1196761  | 6.50%  | 0.198% |
| 265        | 15.812 | 15.794 | 15.847 | HH | 56629  | 1641866  | 8.92%  | 0.271% |
| 266        | 15.875 | 15.847 | 15.895 | HH | 68454  | 1677238  | 9.11%  | 0.277% |
| 267        | 15.914 | 15.895 | 15.935 | HH | 88004  | 1715151  | 9.32%  | 0.284% |
| 268        | 15.958 | 15.935 | 16.007 | HH | 82935  | 2904853  | 15.78% | 0.480% |
| 269        | 16.031 | 16.007 | 16.051 | HH | 69500  | 1654847  | 8.99%  | 0.274% |
| 270        | 16.080 | 16.051 | 16.104 | HH | 100988 | 2540532  | 13.80% | 0.420% |
| 271        | 16.125 | 16.104 | 16.139 | HH | 88349  | 1563857  | 8.49%  | 0.259% |
| 272        | 16.179 | 16.139 | 16.228 | HH | 608872 | 14900808 | 80.93% | 2.464% |
| 273        | 16.245 | 16.228 | 16.272 | HH | 70238  | 1720036  | 9.34%  | 0.284% |
| 274        | 16.301 | 16.272 | 16.323 | HH | 172986 | 3235770  | 17.57% | 0.535% |
| 275        | 16.332 | 16.323 | 16.351 | HH | 78326  | 1211689  | 6.58%  | 0.200% |
| 276        | 16.367 | 16.351 | 16.388 | HH | 66395  | 1446448  | 7.86%  | 0.239% |
| 277        | 16.421 | 16.388 | 16.435 | HH | 80546  | 1958048  | 10.63% | 0.324% |
| 278        | 16.496 | 16.435 | 16.523 | HH | 381421 | 8652836  | 47.00% | 1.431% |
| 279        | 16.559 | 16.523 | 16.593 | HH | 537028 | 9240120  | 50.19% | 1.528% |
| 280        | 16.606 | 16.593 | 16.616 | HH | 68837  | 930547   | 5.05%  | 0.154% |
| 281        | 16.651 | 16.616 | 16.679 | HH | 213701 | 4499356  | 24.44% | 0.744% |
| 282        | 16.703 | 16.679 | 16.740 | HH | 94028  | 2952234  | 16.03% | 0.488% |
| 283        | 16.795 | 16.740 | 16.834 | HH | 100792 | 4784036  | 25.98% | 0.791% |
| 284        | 16.852 | 16.834 | 16.872 | HH | 79748  | 1707420  | 9.27%  | 0.282% |
| 285        | 16.911 | 16.872 | 16.983 | HH | 112134 | 6045513  | 32.84% | 1.000% |
| 286        | 17.013 | 16.983 | 17.032 | HH | 97631  | 2466288  | 13.40% | 0.408% |
| 287        | 17.050 | 17.032 | 17.065 | HH | 102060 | 1879756  | 10.21% | 0.311% |
| 288        | 17.074 | 17.065 | 17.118 | HH | 98458  | 2928471  | 15.91% | 0.484% |
| 289        | 17.137 | 17.118 | 17.153 | HH | 96839  | 1826116  | 9.92%  | 0.302% |
| 290        | 17.165 | 17.153 | 17.184 | HH | 91332  | 1612388  | 8.76%  | 0.267% |
| 291        | 17.209 | 17.184 | 17.233 | HH | 107490 | 2711505  | 14.73% | 0.448% |
| 292        | 17.244 | 17.233 | 17.289 | HH | 87978  | 2707524  | 14.71% | 0.448% |
| 293        | 17.313 | 17.289 | 17.346 | HH | 81457  | 2639162  | 14.33% | 0.436% |
| 294        | 17.357 | 17.346 | 17.379 | HH | 79447  | 1514615  | 8.23%  | 0.250% |
| 295        | 17.393 | 17.379 | 17.402 | HH | 74371  | 1013439  | 5.50%  | 0.168% |
| 296        | 17.418 | 17.402 | 17.435 | HH | 75369  | 1482242  | 8.05%  | 0.245% |
| 297        | 17.496 | 17.435 | 17.521 | HH | 92426  | 4275685  | 23.22% | 0.707% |
| 298        | 17.542 | 17.521 | 17.569 | HH | 113407 | 2763347  | 15.01% | 0.457% |
| 299        | 17.629 | 17.569 | 17.656 | HH | 119896 | 4862804  | 26.41% | 0.804% |

| rteres.txt |        |        |        |    |        |          |        |        |
|------------|--------|--------|--------|----|--------|----------|--------|--------|
| 300        | 17.708 | 17.656 | 17.790 | HH | 125582 | 8069465  | 43.83% | 1.334% |
| 301        | 17.835 | 17.790 | 17.875 | HH | 182244 | 6108882  | 33.18% | 1.010% |
| 302        | 17.893 | 17.875 | 17.900 | HH | 111033 | 1629695  | 8.85%  | 0.269% |
| 303        | 17.935 | 17.900 | 17.993 | HH | 380820 | 10491692 | 56.98% | 1.735% |
| 304        | 18.009 | 17.993 | 18.032 | HH | 119396 | 2512225  | 13.64% | 0.415% |
| 305        | 18.060 | 18.032 | 18.077 | HH | 173860 | 3533605  | 19.19% | 0.584% |
| 306        | 18.091 | 18.077 | 18.109 | HH | 153823 | 2659758  | 14.45% | 0.440% |
| 307        | 18.117 | 18.109 | 18.154 | HH | 121701 | 2851138  | 15.49% | 0.471% |
| 308        | 18.190 | 18.154 | 18.239 | HH | 372732 | 8409530  | 45.68% | 1.390% |
| 309        | 18.265 | 18.239 | 18.286 | HH | 113824 | 2936172  | 15.95% | 0.485% |
| 310        | 18.318 | 18.286 | 18.348 | HH | 177681 | 4737239  | 25.73% | 0.783% |
| 311        | 18.366 | 18.348 | 18.394 | HH | 96543  | 2491206  | 13.53% | 0.412% |
| 312        | 18.416 | 18.394 | 18.438 | HH | 98277  | 2458218  | 13.35% | 0.406% |
| 313        | 18.468 | 18.438 | 18.483 | HH | 105450 | 2673148  | 14.52% | 0.442% |
| 314        | 18.495 | 18.483 | 18.555 | HH | 102126 | 4241406  | 23.04% | 0.701% |
| 315        | 18.569 | 18.555 | 18.585 | HH | 98275  | 1710537  | 9.29%  | 0.283% |
| 316        | 18.613 | 18.585 | 18.638 | HH | 118277 | 3326254  | 18.07% | 0.550% |
| 317        | 18.667 | 18.638 | 18.679 | HH | 101874 | 2410388  | 13.09% | 0.399% |
| 318        | 18.710 | 18.679 | 18.736 | HH | 142089 | 4104026  | 22.29% | 0.679% |
| 319        | 18.759 | 18.736 | 18.809 | HH | 127101 | 4843815  | 26.31% | 0.801% |
| 320        | 18.820 | 18.809 | 18.827 | HH | 96128  | 1069396  | 5.81%  | 0.177% |
| 321        | 18.872 | 18.827 | 18.937 | HH | 118246 | 6648012  | 36.11% | 1.099% |
| 322        | 18.967 | 18.937 | 18.985 | HH | 97573  | 2691490  | 14.62% | 0.445% |
| 323        | 19.009 | 18.985 | 19.027 | HH | 98326  | 2435238  | 13.23% | 0.403% |
| 324        | 19.041 | 19.027 | 19.091 | HH | 97294  | 3578790  | 19.44% | 0.592% |
| 325        | 19.155 | 19.091 | 19.178 | HH | 99218  | 5041280  | 27.38% | 0.834% |
| 326        | 19.203 | 19.178 | 19.228 | HH | 115389 | 3186324  | 17.31% | 0.527% |
| 327        | 19.268 | 19.228 | 19.285 | HH | 112619 | 3584613  | 19.47% | 0.593% |
| 328        | 19.351 | 19.285 | 19.382 | HH | 196177 | 8005424  | 43.48% | 1.324% |
| 329        | 19.417 | 19.382 | 19.451 | HH | 218410 | 6388818  | 34.70% | 1.056% |
| 330        | 19.504 | 19.451 | 19.583 | HH | 145963 | 9513359  | 51.67% | 1.573% |
| 331        | 19.633 | 19.583 | 19.668 | HH | 123022 | 5436699  | 29.53% | 0.899% |
| 332        | 19.732 | 19.668 | 19.765 | HH | 250742 | 8490259  | 46.11% | 1.404% |
| 333        | 19.798 | 19.765 | 19.816 | HH | 146235 | 3862327  | 20.98% | 0.639% |
| 334        | 19.829 | 19.816 | 19.854 | HH | 131587 | 2815876  | 15.29% | 0.466% |
| 335        | 19.875 | 19.854 | 19.908 | HH | 125644 | 3755532  | 20.40% | 0.621% |
| 336        | 19.944 | 19.908 | 19.958 | HH | 107448 | 3149615  | 17.11% | 0.521% |
| 337        | 20.007 | 19.958 | 20.026 | HH | 111144 | 4410349  | 23.95% | 0.729% |
| 338        | 20.049 | 20.026 | 20.130 | HH | 118439 | 6633274  | 36.03% | 1.097% |
| 339        | 20.150 | 20.130 | 20.175 | HH | 106172 | 2768111  | 15.03% | 0.458% |
| 340        | 20.213 | 20.175 | 20.222 | HH | 107350 | 2963938  | 16.10% | 0.490% |
| 341        | 20.242 | 20.222 | 20.268 | HH | 109221 | 2943100  | 15.99% | 0.487% |
| 342        | 20.293 | 20.268 | 20.338 | HH | 110127 | 4477636  | 24.32% | 0.740% |
| 343        | 20.379 | 20.338 | 20.442 | HH | 113198 | 6696690  | 36.37% | 1.107% |
| 344        | 20.466 | 20.442 | 20.505 | HH | 106772 | 3992216  | 21.68% | 0.660% |
| 345        | 20.533 | 20.505 | 20.575 | HH | 106472 | 4406767  | 23.93% | 0.729% |
| 346        | 20.590 | 20.575 | 20.622 | HH | 107467 | 2952900  | 16.04% | 0.488% |
| 347        | 20.636 | 20.622 | 20.659 | HH | 103986 | 2305023  | 12.52% | 0.381% |
| 348        | 20.735 | 20.659 | 20.776 | HH | 119063 | 7643880  | 41.52% | 1.264% |
| 349        | 20.808 | 20.776 | 20.852 | HH | 112251 | 4752834  | 25.81% | 0.786% |
| 350        | 20.911 | 20.852 | 20.955 | HH | 113529 | 6400749  | 34.77% | 1.058% |
| 351        | 20.996 | 20.955 | 21.029 | HH | 121261 | 4837123  | 26.27% | 0.800% |

| rteres.txt              |        |        |        |    |        |           |        |        |
|-------------------------|--------|--------|--------|----|--------|-----------|--------|--------|
| 352                     | 21.063 | 21.029 | 21.072 | HH | 124908 | 2990745   | 16.24% | 0.495% |
| 353                     | 21.097 | 21.072 | 21.138 | HH | 137445 | 4978256   | 27.04% | 0.823% |
| 354                     | 21.159 | 21.138 | 21.220 | HH | 113749 | 5180695   | 28.14% | 0.857% |
| 355                     | 21.246 | 21.220 | 21.264 | HH | 104378 | 2665226   | 14.48% | 0.441% |
| 356                     | 21.287 | 21.264 | 21.335 | HH | 107078 | 4248138   | 23.07% | 0.702% |
| 357                     | 21.375 | 21.335 | 21.415 | HH | 118549 | 5023816   | 27.29% | 0.831% |
| 358                     | 21.448 | 21.415 | 21.480 | HH | 117589 | 4149360   | 22.54% | 0.686% |
| Sum of corrected areas: |        |        |        |    |        | 604789782 |        |        |

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