

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071818AL\  
 Data File : FC035470.D  
 Signal(s) : FID1A.CH  
 Acq On : 19 Jul 2018 4:46  
 Sample : J4030-14  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 062518.M  
 Title : GC Extractables

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         | 3.233       | 3.200        | 3.305      | BH       | 659            | 6278         | 0.07%          | 0.002%        |
| 2         | 3.499       | 3.480        | 3.515      | PH       | 313            | 3357         | 0.04%          | 0.001%        |
| 3         | 3.531       | 3.515        | 3.555      | HH       | 378            | 3777         | 0.05%          | 0.001%        |
| 4         | 3.564       | 3.555        | 3.591      | PH       | 131            | 1394         | 0.02%          | 0.000%        |
| 5         | 3.607       | 3.591        | 3.630      | PH       | 487            | 5614         | 0.07%          | 0.002%        |
| 6         | 3.638       | 3.630        | 3.651      | HH       | 242            | 2262         | 0.03%          | 0.001%        |
| 7         | 3.678       | 3.651        | 3.712      | PH       | 506            | 6426         | 0.08%          | 0.002%        |
| 8         | 3.725       | 3.712        | 3.759      | PH       | 638            | 7967         | 0.09%          | 0.002%        |
| 9         | 3.770       | 3.759        | 3.792      | HH       | 414            | 3135         | 0.04%          | 0.001%        |
| 10        | 3.817       | 3.792        | 3.865      | PH       | 438            | 7181         | 0.09%          | 0.002%        |
| 11        | 3.901       | 3.865        | 3.915      | PH       | 780            | 8463         | 0.10%          | 0.002%        |
| 12        | 3.930       | 3.915        | 3.945      | HH       | 514            | 4511         | 0.05%          | 0.001%        |
| 13        | 3.962       | 3.945        | 3.979      | HH       | 339            | 4061         | 0.05%          | 0.001%        |
| 14        | 3.997       | 3.979        | 4.037      | HH       | 740            | 7377         | 0.09%          | 0.002%        |
| 15        | 4.064       | 4.037        | 4.090      | PH       | 752            | 9769         | 0.12%          | 0.003%        |
| 16        | 4.105       | 4.090        | 4.137      | HH       | 419            | 6175         | 0.07%          | 0.002%        |
| 17        | 4.160       | 4.137        | 4.189      | HH       | 720            | 9519         | 0.11%          | 0.003%        |
| 18        | 4.227       | 4.189        | 4.280      | HH       | 1070           | 20470        | 0.24%          | 0.006%        |
| 19        | 4.302       | 4.280        | 4.324      | HH       | 2545           | 27164        | 0.32%          | 0.008%        |
| 20        | 4.341       | 4.324        | 4.354      | HH       | 466            | 5490         | 0.07%          | 0.002%        |
| 21        | 4.369       | 4.354        | 4.383      | HH       | 328            | 4457         | 0.05%          | 0.001%        |
| 22        | 4.415       | 4.383        | 4.435      | HH       | 766            | 13032        | 0.16%          | 0.004%        |
| 23        | 4.460       | 4.435        | 4.485      | HH       | 879            | 13754        | 0.16%          | 0.004%        |
| 24        | 4.500       | 4.485        | 4.515      | HH       | 578            | 7969         | 0.09%          | 0.002%        |
| 25        | 4.524       | 4.515        | 4.540      | HH       | 458            | 5752         | 0.07%          | 0.002%        |
| 26        | 4.555       | 4.540        | 4.570      | HH       | 1043           | 9707         | 0.12%          | 0.003%        |
| 27        | 4.583       | 4.570        | 4.595      | HH       | 613            | 6196         | 0.07%          | 0.002%        |
| 28        | 4.606       | 4.595        | 4.640      | HH       | 501            | 9224         | 0.11%          | 0.003%        |
| 29        | 4.651       | 4.640        | 4.662      | HH       | 382            | 3900         | 0.05%          | 0.001%        |
| 30        | 4.678       | 4.662        | 4.691      | HH       | 580            | 6509         | 0.08%          | 0.002%        |
| 31        | 4.714       | 4.691        | 4.737      | HH       | 553            | 9836         | 0.12%          | 0.003%        |
| 32        | 4.769       | 4.737        | 4.809      | HH       | 674            | 10942        | 0.13%          | 0.003%        |
| 33        | 4.828       | 4.809        | 4.837      | HH       | 304            | 3343         | 0.04%          | 0.001%        |
| 34        | 4.856       | 4.837        | 4.878      | HH       | 490            | 7654         | 0.09%          | 0.002%        |
| 35        | 4.936       | 4.878        | 4.964      | HH       | 3569           | 58021        | 0.69%          | 0.016%        |
| 36        | 4.987       | 4.964        | 5.028      | HH       | 4604           | 61258        | 0.73%          | 0.017%        |

|    |       |       |       |    | rteres.txt |        |       |        |
|----|-------|-------|-------|----|------------|--------|-------|--------|
| 37 | 5.040 | 5.028 | 5.054 | HH | 709        | 8360   | 0.10% | 0.002% |
| 38 | 5.065 | 5.054 | 5.084 | HH | 785        | 9439   | 0.11% | 0.003% |
| 39 | 5.128 | 5.084 | 5.147 | HH | 1224       | 20106  | 0.24% | 0.006% |
| 40 | 5.168 | 5.147 | 5.211 | HH | 929        | 18162  | 0.22% | 0.005% |
| 41 | 5.225 | 5.211 | 5.235 | HH | 665        | 7521   | 0.09% | 0.002% |
| 42 | 5.253 | 5.235 | 5.292 | HH | 5281       | 67988  | 0.81% | 0.019% |
| 43 | 5.303 | 5.292 | 5.318 | HH | 785        | 10439  | 0.12% | 0.003% |
| 44 | 5.338 | 5.318 | 5.352 | HH | 2777       | 32540  | 0.39% | 0.009% |
| 45 | 5.377 | 5.352 | 5.420 | HH | 2461       | 52664  | 0.63% | 0.015% |
| 46 | 5.435 | 5.420 | 5.475 | HH | 1018       | 19151  | 0.23% | 0.005% |
| 47 | 5.518 | 5.475 | 5.544 | HH | 1371       | 29106  | 0.35% | 0.008% |
| 48 | 5.551 | 5.544 | 5.579 | HH | 434        | 8202   | 0.10% | 0.002% |
| 49 | 5.584 | 5.579 | 5.600 | HH | 385        | 4374   | 0.05% | 0.001% |
| 50 | 5.632 | 5.600 | 5.659 | HH | 818        | 18983  | 0.23% | 0.005% |
| 51 | 5.682 | 5.659 | 5.699 | HH | 485        | 9196   | 0.11% | 0.003% |
| 52 | 5.706 | 5.699 | 5.725 | HH | 426        | 5394   | 0.06% | 0.001% |
| 53 | 5.748 | 5.725 | 5.766 | HH | 461        | 7937   | 0.09% | 0.002% |
| 54 | 5.792 | 5.766 | 5.810 | HH | 535        | 8493   | 0.10% | 0.002% |
| 55 | 5.843 | 5.810 | 5.860 | HH | 701        | 14320  | 0.17% | 0.004% |
| 56 | 5.882 | 5.860 | 5.918 | HH | 2620       | 40622  | 0.48% | 0.011% |
| 57 | 5.933 | 5.918 | 5.959 | HH | 747        | 13430  | 0.16% | 0.004% |
| 58 | 5.979 | 5.959 | 6.007 | HH | 1032       | 17810  | 0.21% | 0.005% |
| 59 | 6.038 | 6.007 | 6.059 | HH | 1016       | 21702  | 0.26% | 0.006% |
| 60 | 6.064 | 6.059 | 6.087 | HH | 571        | 7756   | 0.09% | 0.002% |
| 61 | 6.104 | 6.087 | 6.112 | HH | 480        | 6116   | 0.07% | 0.002% |
| 62 | 6.152 | 6.112 | 6.176 | HH | 612        | 18445  | 0.22% | 0.005% |
| 63 | 6.207 | 6.176 | 6.260 | HH | 1026       | 35344  | 0.42% | 0.010% |
| 64 | 6.271 | 6.260 | 6.282 | HH | 641        | 8295   | 0.10% | 0.002% |
| 65 | 6.317 | 6.282 | 6.392 | HH | 7826       | 117042 | 1.39% | 0.033% |
| 66 | 6.405 | 6.392 | 6.413 | HH | 538        | 5545   | 0.07% | 0.002% |
| 67 | 6.422 | 6.413 | 6.432 | HH | 584        | 5410   | 0.06% | 0.002% |
| 68 | 6.466 | 6.432 | 6.487 | HH | 1343       | 25083  | 0.30% | 0.007% |
| 69 | 6.504 | 6.487 | 6.526 | HH | 856        | 13614  | 0.16% | 0.004% |
| 70 | 6.534 | 6.526 | 6.550 | HH | 443        | 5350   | 0.06% | 0.001% |
| 71 | 6.586 | 6.550 | 6.610 | HH | 471        | 15231  | 0.18% | 0.004% |
| 72 | 6.637 | 6.610 | 6.657 | HH | 656        | 13922  | 0.17% | 0.004% |
| 73 | 6.677 | 6.657 | 6.694 | HH | 660        | 11240  | 0.13% | 0.003% |
| 74 | 6.708 | 6.694 | 6.735 | HH | 570        | 12558  | 0.15% | 0.003% |
| 75 | 6.766 | 6.735 | 6.787 | HH | 987        | 20419  | 0.24% | 0.006% |
| 76 | 6.833 | 6.787 | 6.854 | HH | 967        | 29225  | 0.35% | 0.008% |
| 77 | 6.873 | 6.854 | 6.902 | HH | 970        | 18051  | 0.22% | 0.005% |
| 78 | 6.923 | 6.902 | 6.957 | HH | 1183       | 28881  | 0.34% | 0.008% |
| 79 | 6.973 | 6.957 | 6.999 | HH | 828        | 16735  | 0.20% | 0.005% |
| 80 | 7.017 | 6.999 | 7.041 | HH | 1744       | 28504  | 0.34% | 0.008% |
| 81 | 7.066 | 7.041 | 7.080 | HH | 1046       | 20668  | 0.25% | 0.006% |
| 82 | 7.116 | 7.080 | 7.144 | HH | 1384       | 38443  | 0.46% | 0.011% |
| 83 | 7.152 | 7.144 | 7.165 | HH | 810        | 9886   | 0.12% | 0.003% |
| 84 | 7.183 | 7.165 | 7.210 | HH | 1294       | 26212  | 0.31% | 0.007% |
| 85 | 7.238 | 7.210 | 7.259 | HH | 3468       | 54411  | 0.65% | 0.015% |
| 86 | 7.268 | 7.259 | 7.287 | HH | 1219       | 17717  | 0.21% | 0.005% |
| 87 | 7.305 | 7.287 | 7.343 | HH | 1478       | 32847  | 0.39% | 0.009% |
| 88 | 7.381 | 7.343 | 7.400 | HH | 1839       | 41004  | 0.49% | 0.011% |
| 89 | 7.409 | 7.400 | 7.432 | HH | 1272       | 19931  | 0.24% | 0.006% |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 90         | 7.455 | 7.432 | 7.482 | HH | 1446  | 29933  | 0.36% | 0.008% |
| 91         | 7.498 | 7.482 | 7.510 | HH | 1210  | 17653  | 0.21% | 0.005% |
| 92         | 7.523 | 7.510 | 7.542 | HH | 1328  | 21509  | 0.26% | 0.006% |
| 93         | 7.575 | 7.542 | 7.585 | HH | 1460  | 32519  | 0.39% | 0.009% |
| 94         | 7.659 | 7.585 | 7.679 | HH | 2097  | 94867  | 1.13% | 0.026% |
| 95         | 7.690 | 7.679 | 7.699 | HH | 1529  | 17031  | 0.20% | 0.005% |
| 96         | 7.711 | 7.699 | 7.732 | HH | 1378  | 24943  | 0.30% | 0.007% |
| 97         | 7.760 | 7.732 | 7.781 | HH | 1415  | 35204  | 0.42% | 0.010% |
| 98         | 7.803 | 7.781 | 7.821 | HH | 1857  | 35153  | 0.42% | 0.010% |
| 99         | 7.857 | 7.821 | 7.887 | HH | 2660  | 69831  | 0.83% | 0.019% |
| 100        | 7.927 | 7.887 | 7.944 | HH | 2804  | 58607  | 0.70% | 0.016% |
| 101        | 7.954 | 7.944 | 7.967 | HH | 1835  | 24974  | 0.30% | 0.007% |
| 102        | 7.977 | 7.967 | 8.000 | HH | 1998  | 35562  | 0.42% | 0.010% |
| 103        | 8.015 | 8.000 | 8.037 | HH | 2198  | 44424  | 0.53% | 0.012% |
| 104        | 8.053 | 8.037 | 8.080 | HH | 2092  | 52092  | 0.62% | 0.014% |
| 105        | 8.105 | 8.080 | 8.137 | HH | 6736  | 114300 | 1.36% | 0.032% |
| 106        | 8.154 | 8.137 | 8.187 | HH | 1732  | 45814  | 0.55% | 0.013% |
| 107        | 8.203 | 8.187 | 8.222 | HH | 1649  | 32553  | 0.39% | 0.009% |
| 108        | 8.260 | 8.222 | 8.305 | HH | 3268  | 98486  | 1.17% | 0.027% |
| 109        | 8.354 | 8.305 | 8.392 | HH | 1797  | 85417  | 1.02% | 0.024% |
| 110        | 8.408 | 8.392 | 8.419 | HH | 1655  | 25106  | 0.30% | 0.007% |
| 111        | 8.437 | 8.419 | 8.445 | HH | 1810  | 26095  | 0.31% | 0.007% |
| 112        | 8.488 | 8.445 | 8.510 | HH | 2376  | 79214  | 0.94% | 0.022% |
| 113        | 8.524 | 8.510 | 8.537 | HH | 2166  | 32711  | 0.39% | 0.009% |
| 114        | 8.554 | 8.537 | 8.576 | HH | 3552  | 60889  | 0.73% | 0.017% |
| 115        | 8.593 | 8.576 | 8.605 | HH | 2618  | 41078  | 0.49% | 0.011% |
| 116        | 8.640 | 8.605 | 8.672 | HH | 5106  | 127301 | 1.52% | 0.035% |
| 117        | 8.690 | 8.672 | 8.705 | HH | 2443  | 44153  | 0.53% | 0.012% |
| 118        | 8.719 | 8.705 | 8.755 | HH | 2606  | 65036  | 0.77% | 0.018% |
| 119        | 8.788 | 8.755 | 8.797 | HH | 2570  | 58696  | 0.70% | 0.016% |
| 120        | 8.818 | 8.797 | 8.872 | HH | 3650  | 128393 | 1.53% | 0.036% |
| 121        | 8.925 | 8.872 | 8.989 | HH | 9087  | 248030 | 2.96% | 0.069% |
| 122        | 9.010 | 8.989 | 9.031 | HH | 2764  | 60753  | 0.72% | 0.017% |
| 123        | 9.060 | 9.031 | 9.084 | HH | 2597  | 77916  | 0.93% | 0.022% |
| 124        | 9.110 | 9.084 | 9.150 | HH | 3951  | 121542 | 1.45% | 0.034% |
| 125        | 9.158 | 9.150 | 9.170 | HH | 2489  | 29488  | 0.35% | 0.008% |
| 126        | 9.182 | 9.170 | 9.194 | HH | 2462  | 33362  | 0.40% | 0.009% |
| 127        | 9.219 | 9.194 | 9.246 | HH | 3324  | 86103  | 1.03% | 0.024% |
| 128        | 9.301 | 9.246 | 9.334 | HH | 4918  | 174762 | 2.08% | 0.049% |
| 129        | 9.358 | 9.334 | 9.365 | HH | 3323  | 57702  | 0.69% | 0.016% |
| 130        | 9.382 | 9.365 | 9.407 | HH | 3790  | 81492  | 0.97% | 0.023% |
| 131        | 9.429 | 9.407 | 9.449 | HH | 3675  | 80458  | 0.96% | 0.022% |
| 132        | 9.480 | 9.449 | 9.507 | HH | 3774  | 109511 | 1.30% | 0.030% |
| 133        | 9.532 | 9.507 | 9.548 | HH | 2623  | 62616  | 0.75% | 0.017% |
| 134        | 9.578 | 9.548 | 9.592 | HH | 2657  | 66954  | 0.80% | 0.019% |
| 135        | 9.619 | 9.592 | 9.637 | HH | 3315  | 79164  | 0.94% | 0.022% |
| 136        | 9.656 | 9.637 | 9.675 | HH | 3600  | 75039  | 0.89% | 0.021% |
| 137        | 9.700 | 9.675 | 9.744 | HH | 13395 | 240960 | 2.87% | 0.067% |
| 138        | 9.779 | 9.744 | 9.794 | HH | 3376  | 97446  | 1.16% | 0.027% |
| 139        | 9.800 | 9.794 | 9.840 | HH | 3354  | 88138  | 1.05% | 0.024% |
| 140        | 9.868 | 9.840 | 9.887 | HH | 3110  | 83215  | 0.99% | 0.023% |
| 141        | 9.927 | 9.887 | 9.940 | HH | 3246  | 99323  | 1.18% | 0.028% |

|     |        |        |        |    | rteres.txt |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
| 142 | 9.977  | 9.940  | 10.005 | HH | 3325       | 122788 | 1.46% | 0.034% |
| 143 | 10.046 | 10.005 | 10.058 | HH | 4327       | 115492 | 1.38% | 0.032% |
| 144 | 10.087 | 10.058 | 10.120 | HH | 8441       | 205971 | 2.45% | 0.057% |
| 145 | 10.135 | 10.120 | 10.154 | HH | 4456       | 84700  | 1.01% | 0.024% |
| 146 | 10.176 | 10.154 | 10.209 | HH | 5022       | 139663 | 1.66% | 0.039% |
| 147 | 10.231 | 10.209 | 10.256 | HH | 5223       | 118437 | 1.41% | 0.033% |
| 148 | 10.334 | 10.256 | 10.342 | HH | 4411       | 200779 | 2.39% | 0.056% |
| 149 | 10.364 | 10.342 | 10.385 | HH | 5075       | 119638 | 1.43% | 0.033% |
| 150 | 10.437 | 10.385 | 10.475 | HH | 15574      | 382969 | 4.56% | 0.106% |
| 151 | 10.508 | 10.475 | 10.543 | HH | 11875      | 287336 | 3.42% | 0.080% |
| 152 | 10.557 | 10.543 | 10.590 | HH | 4969       | 129853 | 1.55% | 0.036% |
| 153 | 10.658 | 10.590 | 10.677 | HH | 5065       | 239875 | 2.86% | 0.067% |
| 154 | 10.700 | 10.677 | 10.723 | HH | 5114       | 129491 | 1.54% | 0.036% |
| 155 | 10.754 | 10.723 | 10.792 | HH | 6122       | 220269 | 2.62% | 0.061% |
| 156 | 10.824 | 10.792 | 10.870 | HH | 6398       | 268654 | 3.20% | 0.075% |
| 157 | 10.888 | 10.870 | 10.925 | HH | 5916       | 175761 | 2.09% | 0.049% |
| 158 | 10.942 | 10.925 | 10.976 | HH | 5970       | 163835 | 1.95% | 0.046% |
| 159 | 11.008 | 10.976 | 11.045 | HH | 5234       | 211300 | 2.52% | 0.059% |
| 160 | 11.067 | 11.045 | 11.092 | HH | 6266       | 160484 | 1.91% | 0.045% |
| 161 | 11.137 | 11.092 | 11.177 | HH | 16437      | 410498 | 4.89% | 0.114% |
| 162 | 11.228 | 11.177 | 11.264 | HH | 10727      | 363874 | 4.34% | 0.101% |
| 163 | 11.279 | 11.264 | 11.296 | HH | 5517       | 104458 | 1.24% | 0.029% |
| 164 | 11.324 | 11.296 | 11.354 | HH | 5638       | 188615 | 2.25% | 0.052% |
| 165 | 11.375 | 11.354 | 11.393 | HH | 5826       | 133135 | 1.59% | 0.037% |
| 166 | 11.431 | 11.393 | 11.478 | HH | 7013       | 320367 | 3.82% | 0.089% |
| 167 | 11.497 | 11.478 | 11.507 | HH | 6428       | 105629 | 1.26% | 0.029% |
| 168 | 11.534 | 11.507 | 11.559 | HH | 7272       | 208321 | 2.48% | 0.058% |
| 169 | 11.574 | 11.559 | 11.601 | HH | 6834       | 166730 | 1.99% | 0.046% |
| 170 | 11.623 | 11.601 | 11.650 | HH | 7437       | 193551 | 2.31% | 0.054% |
| 171 | 11.659 | 11.650 | 11.674 | HH | 6425       | 92152  | 1.10% | 0.026% |
| 172 | 11.693 | 11.674 | 11.717 | HH | 6508       | 163497 | 1.95% | 0.045% |
| 173 | 11.741 | 11.717 | 11.755 | HH | 7768       | 162029 | 1.93% | 0.045% |
| 174 | 11.805 | 11.755 | 11.834 | HH | 16396      | 458657 | 5.46% | 0.127% |
| 175 | 11.845 | 11.834 | 11.866 | HH | 7159       | 132080 | 1.57% | 0.037% |
| 176 | 11.915 | 11.866 | 11.950 | HH | 7499       | 368628 | 4.39% | 0.102% |
| 177 | 11.955 | 11.950 | 11.984 | HH | 7271       | 138241 | 1.65% | 0.038% |
| 178 | 12.015 | 11.984 | 12.025 | HH | 7948       | 185873 | 2.21% | 0.052% |
| 179 | 12.047 | 12.025 | 12.058 | HH | 8496       | 156224 | 1.86% | 0.043% |
| 180 | 12.075 | 12.058 | 12.127 | HH | 9002       | 348077 | 4.15% | 0.097% |
| 181 | 12.155 | 12.127 | 12.170 | HH | 8391       | 209650 | 2.50% | 0.058% |
| 182 | 12.192 | 12.170 | 12.202 | HH | 8935       | 162604 | 1.94% | 0.045% |
| 183 | 12.212 | 12.202 | 12.247 | HH | 9231       | 228664 | 2.72% | 0.064% |
| 184 | 12.267 | 12.247 | 12.285 | HH | 8720       | 192345 | 2.29% | 0.053% |
| 185 | 12.301 | 12.285 | 12.319 | HH | 8492       | 164173 | 1.96% | 0.046% |
| 186 | 12.371 | 12.319 | 12.417 | HH | 9503       | 504620 | 6.01% | 0.140% |
| 187 | 12.443 | 12.417 | 12.495 | HH | 18765      | 527731 | 6.29% | 0.147% |
| 188 | 12.504 | 12.495 | 12.522 | HH | 8904       | 139443 | 1.66% | 0.039% |
| 189 | 12.549 | 12.522 | 12.572 | HH | 9740       | 279159 | 3.33% | 0.078% |
| 190 | 12.587 | 12.572 | 12.625 | HH | 9218       | 279667 | 3.33% | 0.078% |
| 191 | 12.648 | 12.625 | 12.672 | HH | 8851       | 244734 | 2.92% | 0.068% |
| 192 | 12.697 | 12.672 | 12.715 | HH | 9887       | 241899 | 2.88% | 0.067% |
| 193 | 12.722 | 12.715 | 12.747 | HH | 9493       | 173676 | 2.07% | 0.048% |
| 194 | 12.767 | 12.747 | 12.780 | HH | 9354       | 184182 | 2.19% | 0.051% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 195        | 12.837 | 12.780 | 12.848 | HH | 10344  | 395306  | 4.71%  | 0.110% |
| 196        | 12.886 | 12.848 | 12.923 | HH | 169130 | 2397878 | 28.57% | 0.666% |
| 197        | 12.940 | 12.923 | 12.969 | HH | 11279  | 306264  | 3.65%  | 0.085% |
| 198        | 12.975 | 12.969 | 13.025 | HH | 11121  | 355216  | 4.23%  | 0.099% |
| 199        | 13.053 | 13.025 | 13.104 | HH | 19294  | 621925  | 7.41%  | 0.173% |
| 200        | 13.129 | 13.104 | 13.144 | HH | 11667  | 271600  | 3.24%  | 0.075% |
| 201        | 13.153 | 13.144 | 13.189 | HH | 11272  | 297657  | 3.55%  | 0.083% |
| 202        | 13.212 | 13.189 | 13.242 | HH | 11980  | 363731  | 4.33%  | 0.101% |
| 203        | 13.317 | 13.242 | 13.349 | HH | 14857  | 808320  | 9.63%  | 0.224% |
| 204        | 13.358 | 13.349 | 13.386 | HH | 12324  | 275319  | 3.28%  | 0.076% |
| 205        | 13.439 | 13.386 | 13.451 | HH | 12722  | 485701  | 5.79%  | 0.135% |
| 206        | 13.475 | 13.451 | 13.512 | HH | 14047  | 480069  | 5.72%  | 0.133% |
| 207        | 13.576 | 13.512 | 13.609 | HH | 13536  | 765209  | 9.12%  | 0.213% |
| 208        | 13.638 | 13.609 | 13.670 | HH | 24252  | 649580  | 7.74%  | 0.180% |
| 209        | 13.685 | 13.670 | 13.710 | HH | 14506  | 340607  | 4.06%  | 0.095% |
| 210        | 13.732 | 13.710 | 13.772 | HH | 14040  | 511912  | 6.10%  | 0.142% |
| 211        | 13.786 | 13.772 | 13.817 | HH | 14419  | 380402  | 4.53%  | 0.106% |
| 212        | 13.866 | 13.817 | 13.900 | HH | 16071  | 763219  | 9.09%  | 0.212% |
| 213        | 13.903 | 13.900 | 13.915 | HH | 15560  | 136566  | 1.63%  | 0.038% |
| 214        | 13.932 | 13.915 | 13.975 | HH | 15927  | 547208  | 6.52%  | 0.152% |
| 215        | 14.036 | 13.975 | 14.067 | HH | 16652  | 883107  | 10.52% | 0.245% |
| 216        | 14.078 | 14.067 | 14.099 | HH | 16701  | 311740  | 3.71%  | 0.087% |
| 217        | 14.138 | 14.099 | 14.175 | HH | 18929  | 758900  | 9.04%  | 0.211% |
| 218        | 14.200 | 14.175 | 14.225 | HH | 25977  | 610642  | 7.28%  | 0.170% |
| 219        | 14.250 | 14.225 | 14.295 | HH | 18021  | 734322  | 8.75%  | 0.204% |
| 220        | 14.306 | 14.295 | 14.367 | HH | 17536  | 739155  | 8.81%  | 0.205% |
| 221        | 14.443 | 14.367 | 14.475 | HH | 19836  | 1164408 | 13.87% | 0.323% |
| 222        | 14.487 | 14.475 | 14.505 | HH | 18611  | 322886  | 3.85%  | 0.090% |
| 223        | 14.551 | 14.505 | 14.562 | HH | 18454  | 613248  | 7.31%  | 0.170% |
| 224        | 14.599 | 14.562 | 14.625 | HH | 19552  | 705063  | 8.40%  | 0.196% |
| 225        | 14.657 | 14.625 | 14.690 | HH | 19473  | 746464  | 8.89%  | 0.207% |
| 226        | 14.700 | 14.690 | 14.709 | HH | 18927  | 206406  | 2.46%  | 0.057% |
| 227        | 14.739 | 14.709 | 14.784 | HH | 28660  | 992890  | 11.83% | 0.276% |
| 228        | 14.816 | 14.784 | 14.830 | HH | 20165  | 557886  | 6.65%  | 0.155% |
| 229        | 14.880 | 14.830 | 14.904 | HH | 21100  | 889449  | 10.60% | 0.247% |
| 230        | 14.934 | 14.904 | 14.969 | HH | 21072  | 805628  | 9.60%  | 0.224% |
| 231        | 14.983 | 14.969 | 15.004 | HH | 21413  | 433238  | 5.16%  | 0.120% |
| 232        | 15.047 | 15.004 | 15.065 | HH | 22248  | 796042  | 9.48%  | 0.221% |
| 233        | 15.073 | 15.065 | 15.092 | HH | 22080  | 348298  | 4.15%  | 0.097% |
| 234        | 15.098 | 15.092 | 15.111 | HH | 21915  | 243446  | 2.90%  | 0.068% |
| 235        | 15.126 | 15.111 | 15.139 | HH | 22301  | 369825  | 4.41%  | 0.103% |
| 236        | 15.157 | 15.139 | 15.168 | HH | 22634  | 381230  | 4.54%  | 0.106% |
| 237        | 15.178 | 15.168 | 15.230 | HH | 22854  | 839541  | 10.00% | 0.233% |
| 238        | 15.258 | 15.230 | 15.295 | HH | 32300  | 1015660 | 12.10% | 0.282% |
| 239        | 15.308 | 15.295 | 15.337 | HH | 23962  | 596625  | 7.11%  | 0.166% |
| 240        | 15.381 | 15.337 | 15.402 | HH | 25236  | 932485  | 11.11% | 0.259% |
| 241        | 15.443 | 15.402 | 15.452 | HH | 24472  | 709375  | 8.45%  | 0.197% |
| 242        | 15.472 | 15.452 | 15.494 | HH | 25320  | 628204  | 7.48%  | 0.174% |
| 243        | 15.511 | 15.494 | 15.534 | HH | 25675  | 600119  | 7.15%  | 0.167% |
| 244        | 15.577 | 15.534 | 15.593 | HH | 27915  | 934830  | 11.14% | 0.260% |
| 245        | 15.610 | 15.593 | 15.618 | HH | 26931  | 393765  | 4.69%  | 0.109% |
| 246        | 15.631 | 15.618 | 15.674 | HH | 26758  | 878005  | 10.46% | 0.244% |

| rteres.txt |        |        |        |    |       |         |        |        |
|------------|--------|--------|--------|----|-------|---------|--------|--------|
| 247        | 15.692 | 15.674 | 15.700 | HH | 26798 | 420281  | 5.01%  | 0.117% |
| 248        | 15.760 | 15.700 | 15.784 | HH | 39471 | 1514892 | 18.05% | 0.421% |
| 249        | 15.792 | 15.784 | 15.807 | HH | 29276 | 396955  | 4.73%  | 0.110% |
| 250        | 15.816 | 15.807 | 15.855 | HH | 28540 | 811009  | 9.66%  | 0.225% |
| 251        | 15.895 | 15.855 | 15.905 | HH | 29788 | 857373  | 10.21% | 0.238% |
| 252        | 15.940 | 15.905 | 15.991 | HH | 34638 | 1613579 | 19.22% | 0.448% |
| 253        | 16.069 | 15.991 | 16.102 | HH | 34390 | 2197438 | 26.18% | 0.610% |
| 254        | 16.111 | 16.102 | 16.162 | HH | 34909 | 1195757 | 14.25% | 0.332% |
| 255        | 16.194 | 16.162 | 16.212 | HH | 35069 | 992636  | 11.83% | 0.276% |
| 256        | 16.241 | 16.212 | 16.268 | HH | 46323 | 1305345 | 15.55% | 0.363% |
| 257        | 16.289 | 16.268 | 16.307 | HH | 35878 | 823641  | 9.81%  | 0.229% |
| 258        | 16.367 | 16.307 | 16.378 | HH | 39868 | 1619195 | 19.29% | 0.450% |
| 259        | 16.394 | 16.378 | 16.417 | HH | 40200 | 908285  | 10.82% | 0.252% |
| 260        | 16.436 | 16.417 | 16.455 | HH | 40111 | 907029  | 10.81% | 0.252% |
| 261        | 16.464 | 16.455 | 16.474 | HH | 39612 | 446617  | 5.32%  | 0.124% |
| 262        | 16.492 | 16.474 | 16.518 | HH | 41297 | 1065624 | 12.70% | 0.296% |
| 263        | 16.549 | 16.518 | 16.557 | HH | 42556 | 948408  | 11.30% | 0.263% |
| 264        | 16.577 | 16.557 | 16.639 | HH | 42150 | 1995152 | 23.77% | 0.554% |
| 265        | 16.713 | 16.639 | 16.740 | HH | 61754 | 2970227 | 35.39% | 0.825% |
| 266        | 16.754 | 16.740 | 16.773 | HH | 48103 | 926110  | 11.03% | 0.257% |
| 267        | 16.793 | 16.773 | 16.817 | HH | 47836 | 1202277 | 14.32% | 0.334% |
| 268        | 16.825 | 16.817 | 16.844 | HH | 46564 | 742165  | 8.84%  | 0.206% |
| 269        | 16.883 | 16.844 | 16.903 | HH | 51660 | 1735790 | 20.68% | 0.482% |
| 270        | 16.931 | 16.903 | 16.972 | HH | 56876 | 2130805 | 25.39% | 0.592% |
| 271        | 17.005 | 16.972 | 17.024 | HH | 52057 | 1563108 | 18.62% | 0.434% |
| 272        | 17.033 | 17.024 | 17.051 | HH | 51327 | 817747  | 9.74%  | 0.227% |
| 273        | 17.102 | 17.051 | 17.134 | HH | 59591 | 2684488 | 31.98% | 0.746% |
| 274        | 17.158 | 17.134 | 17.199 | HH | 66712 | 2293863 | 27.33% | 0.637% |
| 275        | 17.217 | 17.199 | 17.230 | HH | 57240 | 1040999 | 12.40% | 0.289% |
| 276        | 17.255 | 17.230 | 17.298 | HH | 62220 | 2281758 | 27.18% | 0.634% |
| 277        | 17.322 | 17.298 | 17.330 | HH | 56243 | 1081655 | 12.89% | 0.300% |
| 278        | 17.342 | 17.330 | 17.387 | HH | 56284 | 1839473 | 21.92% | 0.511% |
| 279        | 17.430 | 17.387 | 17.449 | HH | 57596 | 2027726 | 24.16% | 0.563% |
| 280        | 17.481 | 17.449 | 17.505 | HH | 63134 | 2004037 | 23.88% | 0.557% |
| 281        | 17.585 | 17.505 | 17.616 | HH | 73840 | 4273911 | 50.92% | 1.187% |
| 282        | 17.627 | 17.616 | 17.651 | HH | 62199 | 1275810 | 15.20% | 0.354% |
| 283        | 17.722 | 17.651 | 17.809 | HH | 89902 | 6259071 | 74.57% | 1.738% |
| 284        | 17.830 | 17.809 | 17.850 | HH | 62144 | 1513872 | 18.04% | 0.420% |
| 285        | 17.866 | 17.850 | 17.884 | HH | 64164 | 1247875 | 14.87% | 0.347% |
| 286        | 17.923 | 17.884 | 17.991 | HH | 67987 | 4150065 | 49.44% | 1.153% |
| 287        | 18.014 | 17.991 | 18.039 | HH | 78965 | 1999830 | 23.83% | 0.555% |
| 288        | 18.088 | 18.039 | 18.118 | HH | 92349 | 3483772 | 41.51% | 0.968% |
| 289        | 18.125 | 18.118 | 18.154 | HH | 69410 | 1469041 | 17.50% | 0.408% |
| 290        | 18.163 | 18.154 | 18.189 | HH | 67547 | 1375729 | 16.39% | 0.382% |
| 291        | 18.212 | 18.189 | 18.225 | HH | 67408 | 1421736 | 16.94% | 0.395% |
| 292        | 18.243 | 18.225 | 18.260 | HH | 68387 | 1437392 | 17.13% | 0.399% |
| 293        | 18.281 | 18.260 | 18.297 | HH | 68664 | 1483440 | 17.67% | 0.412% |
| 294        | 18.310 | 18.297 | 18.340 | HH | 69540 | 1752799 | 20.88% | 0.487% |
| 295        | 18.349 | 18.340 | 18.367 | HH | 67946 | 1089252 | 12.98% | 0.303% |
| 296        | 18.425 | 18.367 | 18.462 | HH | 83638 | 4146947 | 49.41% | 1.152% |
| 297        | 18.475 | 18.462 | 18.483 | HH | 71099 | 888983  | 10.59% | 0.247% |
| 298        | 18.512 | 18.483 | 18.534 | HH | 90159 | 2395837 | 28.54% | 0.665% |
| 299        | 18.562 | 18.534 | 18.587 | HH | 87478 | 2594059 | 30.91% | 0.720% |

|     |        |        |        |    | rteres.txt |         |         |        |
|-----|--------|--------|--------|----|------------|---------|---------|--------|
| 300 | 18.602 | 18.587 | 18.627 | HH | 75390      | 1778623 | 21.19%  | 0.494% |
| 301 | 18.649 | 18.627 | 18.667 | HH | 76294      | 1803049 | 21.48%  | 0.501% |
| 302 | 18.685 | 18.667 | 18.708 | HH | 77911      | 1898253 | 22.62%  | 0.527% |
| 303 | 18.729 | 18.708 | 18.749 | HH | 77443      | 1851658 | 22.06%  | 0.514% |
| 304 | 18.837 | 18.749 | 18.872 | HH | 92919      | 6125493 | 72.98%  | 1.701% |
| 305 | 18.912 | 18.872 | 18.939 | HH | 88187      | 3358035 | 40.01%  | 0.933% |
| 306 | 18.957 | 18.939 | 18.976 | HH | 82061      | 1800949 | 21.46%  | 0.500% |
| 307 | 19.023 | 18.976 | 19.053 | HH | 86943      | 3894422 | 46.40%  | 1.082% |
| 308 | 19.065 | 19.053 | 19.085 | HH | 85896      | 1623621 | 19.34%  | 0.451% |
| 309 | 19.113 | 19.085 | 19.125 | HH | 87537      | 2092151 | 24.93%  | 0.581% |
| 310 | 19.149 | 19.125 | 19.164 | HH | 87611      | 1990845 | 23.72%  | 0.553% |
| 311 | 19.215 | 19.164 | 19.281 | HH | 108333     | 6694353 | 79.76%  | 1.859% |
| 312 | 19.318 | 19.281 | 19.340 | HH | 100982     | 3379289 | 40.26%  | 0.938% |
| 313 | 19.460 | 19.340 | 19.475 | HH | 99985      | 7820840 | 93.18%  | 2.172% |
| 314 | 19.492 | 19.475 | 19.512 | HH | 100758     | 2188981 | 26.08%  | 0.608% |
| 315 | 19.582 | 19.512 | 19.595 | HH | 115920     | 5239599 | 62.42%  | 1.455% |
| 316 | 19.616 | 19.595 | 19.665 | HH | 113149     | 4535400 | 54.03%  | 1.260% |
| 317 | 19.731 | 19.665 | 19.759 | HH | 113955     | 6125669 | 72.98%  | 1.701% |
| 318 | 19.814 | 19.759 | 19.822 | HH | 114264     | 4231738 | 50.42%  | 1.175% |
| 319 | 19.868 | 19.822 | 19.881 | HH | 117654     | 4011250 | 47.79%  | 1.114% |
| 320 | 19.899 | 19.881 | 19.909 | HH | 117379     | 1970291 | 23.47%  | 0.547% |
| 321 | 19.947 | 19.909 | 19.968 | HH | 129345     | 4304968 | 51.29%  | 1.196% |
| 322 | 20.005 | 19.968 | 20.023 | HH | 129486     | 4126229 | 49.16%  | 1.146% |
| 323 | 20.034 | 20.023 | 20.047 | HH | 124520     | 1803129 | 21.48%  | 0.501% |
| 324 | 20.099 | 20.047 | 20.107 | HH | 127764     | 4492401 | 53.52%  | 1.248% |
| 325 | 20.135 | 20.107 | 20.169 | HH | 134769     | 4877675 | 58.11%  | 1.355% |
| 326 | 20.198 | 20.169 | 20.210 | HH | 131685     | 3205416 | 38.19%  | 0.890% |
| 327 | 20.224 | 20.210 | 20.247 | HH | 133203     | 2905586 | 34.62%  | 0.807% |
| 328 | 20.300 | 20.247 | 20.324 | HH | 147235     | 6362772 | 75.81%  | 1.767% |
| 329 | 20.341 | 20.324 | 20.352 | HH | 139192     | 2315012 | 27.58%  | 0.643% |
| 330 | 20.400 | 20.352 | 20.408 | HH | 144350     | 4680644 | 55.77%  | 1.300% |
| 331 | 20.416 | 20.408 | 20.477 | HH | 143929     | 5831480 | 69.48%  | 1.620% |
| 332 | 20.498 | 20.477 | 20.510 | HH | 140532     | 2757788 | 32.86%  | 0.766% |
| 333 | 20.533 | 20.510 | 20.552 | HH | 141227     | 3512183 | 41.84%  | 0.975% |
| 334 | 20.555 | 20.552 | 20.582 | HH | 139050     | 2406358 | 28.67%  | 0.668% |
| 335 | 20.611 | 20.582 | 20.630 | HH | 137957     | 4009007 | 47.76%  | 1.113% |
| 336 | 20.660 | 20.630 | 20.734 | HH | 142907     | 8393512 | 100.00% | 2.331% |
| 337 | 20.755 | 20.734 | 20.766 | HH | 131346     | 2457666 | 29.28%  | 0.683% |
| 338 | 20.793 | 20.766 | 20.804 | HH | 132749     | 3003102 | 35.78%  | 0.834% |
| 339 | 20.835 | 20.804 | 20.847 | HH | 132842     | 3403680 | 40.55%  | 0.945% |
| 340 | 20.869 | 20.847 | 20.894 | HH | 132421     | 3698837 | 44.07%  | 1.027% |
| 341 | 20.907 | 20.894 | 20.925 | HH | 131026     | 2456129 | 29.26%  | 0.682% |
| 342 | 20.945 | 20.925 | 20.975 | HH | 131156     | 3829626 | 45.63%  | 1.064% |
| 343 | 20.999 | 20.975 | 21.020 | HH | 128416     | 3479165 | 41.45%  | 0.966% |
| 344 | 21.034 | 21.020 | 21.041 | HH | 128129     | 1612784 | 19.21%  | 0.448% |
| 345 | 21.069 | 21.041 | 21.122 | HH | 134674     | 6255906 | 74.53%  | 1.737% |
| 346 | 21.138 | 21.122 | 21.166 | HH | 125885     | 3248449 | 38.70%  | 0.902% |
| 347 | 21.193 | 21.166 | 21.239 | HH | 126793     | 5473232 | 65.21%  | 1.520% |
| 348 | 21.262 | 21.239 | 21.277 | HH | 123899     | 2826155 | 33.67%  | 0.785% |
| 349 | 21.282 | 21.277 | 21.291 | HH | 123724     | 993886  | 11.84%  | 0.276% |
| 350 | 21.301 | 21.291 | 21.324 | HH | 123230     | 2431338 | 28.97%  | 0.675% |
| 351 | 21.337 | 21.324 | 21.393 | HH | 121631     | 4966976 | 59.18%  | 1.379% |

| rteres.txt              |        |        |        |     |        |           |        |        |
|-------------------------|--------|--------|--------|-----|--------|-----------|--------|--------|
| 352                     | 21.414 | 21.393 | 21.450 | HH  | 120688 | 4147722   | 49.42% | 1.152% |
| 353                     | 21.458 | 21.450 | 21.472 | HH  | 119968 | 1549563   | 18.46% | 0.430% |
| 354                     | 21.530 | 21.472 | 21.567 | HH  | 129140 | 7005232   | 83.46% | 1.945% |
| 355                     | 21.576 | 21.567 | 21.629 | HH  | 119201 | 4365073   | 52.01% | 1.212% |
| 356                     | 21.669 | 21.629 | 21.744 | HH  | 117701 | 7970161   | 94.96% | 2.213% |
| 357                     | 21.752 | 21.744 | 21.769 | HH  | 114742 | 1711559   | 20.39% | 0.475% |
| 358                     | 21.775 | 21.769 | 21.800 | HHA | 114919 | 2217703   | 26.42% | 0.616% |
| Sum of corrected areas: |        |        |        |     |        | 360075804 |        |        |

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