

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071619AL\  
 Data File : FC042415.D  
 Signal(s) : FID1A.CH  
 Acq On : 17 Jul 2019 1:37  
 Sample : K3623-07DL 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 070919.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         | 3.495       | 3.485        | 3.544      | VV       | 62             | 1688         | 0.01%          | 0.001%        |
| 2         | 3.584       | 3.559        | 3.630      | PV       | 89             | 1427         | 0.01%          | 0.001%        |
| 3         | 3.640       | 3.630        | 3.672      | VV       | 94             | 1321         | 0.00%          | 0.001%        |
| 4         | 3.695       | 3.672        | 3.713      | PV       | 93             | 1177         | 0.00%          | 0.001%        |
| 5         | 3.726       | 3.713        | 3.759      | VV       | 97             | 1284         | 0.00%          | 0.001%        |
| 6         | 3.770       | 3.759        | 3.804      | VV       | 128            | 1827         | 0.01%          | 0.001%        |
| 7         | 3.877       | 3.804        | 3.902      | VV       | 216            | 5573         | 0.02%          | 0.004%        |
| 8         | 3.912       | 3.902        | 3.956      | VV       | 161            | 2442         | 0.01%          | 0.002%        |
| 9         | 3.977       | 3.956        | 4.027      | VV       | 194            | 4815         | 0.02%          | 0.004%        |
| 10        | 4.080       | 4.027        | 4.091      | PV       | 244            | 4534         | 0.02%          | 0.004%        |
| 11        | 4.098       | 4.091        | 4.144      | VV       | 173            | 3627         | 0.01%          | 0.003%        |
| 12        | 4.169       | 4.144        | 4.202      | VV       | 319            | 6774         | 0.02%          | 0.005%        |
| 13        | 4.215       | 4.202        | 4.224      | VV       | 270            | 2328         | 0.01%          | 0.002%        |
| 14        | 4.236       | 4.224        | 4.246      | VV       | 199            | 2002         | 0.01%          | 0.002%        |
| 15        | 4.262       | 4.246        | 4.289      | VV       | 266            | 4232         | 0.02%          | 0.003%        |
| 16        | 4.295       | 4.289        | 4.312      | VV       | 125            | 1372         | 0.00%          | 0.001%        |
| 17        | 4.336       | 4.312        | 4.455      | VV       | 3310           | 41159        | 0.15%          | 0.033%        |
| 18        | 4.471       | 4.455        | 4.507      | PV       | 169            | 2366         | 0.01%          | 0.002%        |
| 19        | 4.521       | 4.507        | 4.541      | VV       | 185            | 2284         | 0.01%          | 0.002%        |
| 20        | 4.561       | 4.541        | 4.596      | VV       | 324            | 4393         | 0.02%          | 0.004%        |
| 21        | 4.612       | 4.596        | 4.625      | VV       | 327            | 3240         | 0.01%          | 0.003%        |
| 22        | 4.640       | 4.625        | 4.700      | VV       | 223            | 4760         | 0.02%          | 0.004%        |
| 23        | 4.718       | 4.700        | 4.753      | PV       | 273            | 3141         | 0.01%          | 0.003%        |
| 24        | 4.787       | 4.753        | 4.806      | VV       | 618            | 8702         | 0.03%          | 0.007%        |
| 25        | 4.814       | 4.806        | 4.832      | VV       | 297            | 3284         | 0.01%          | 0.003%        |
| 26        | 4.849       | 4.832        | 4.859      | VV       | 234            | 2287         | 0.01%          | 0.002%        |
| 27        | 4.904       | 4.859        | 4.934      | VV       | 443            | 10249        | 0.04%          | 0.008%        |
| 28        | 4.944       | 4.934        | 4.960      | VV       | 400            | 3825         | 0.01%          | 0.003%        |
| 29        | 4.981       | 4.960        | 5.005      | VV       | 340            | 5698         | 0.02%          | 0.005%        |
| 30        | 5.018       | 5.005        | 5.029      | VV       | 372            | 3560         | 0.01%          | 0.003%        |
| 31        | 5.043       | 5.029        | 5.066      | VV       | 368            | 4568         | 0.02%          | 0.004%        |
| 32        | 5.094       | 5.066        | 5.139      | VV       | 253            | 5576         | 0.02%          | 0.005%        |
| 33        | 5.166       | 5.139        | 5.177      | PV       | 245            | 3011         | 0.01%          | 0.002%        |
| 34        | 5.200       | 5.177        | 5.245      | VV       | 524            | 11975        | 0.04%          | 0.010%        |
| 35        | 5.257       | 5.245        | 5.268      | VV       | 300            | 2764         | 0.01%          | 0.002%        |
| 36        | 5.302       | 5.268        | 5.317      | VV       | 1456           | 20976        | 0.08%          | 0.017%        |

|    |       |       |       |    |            |       |       |        |  |
|----|-------|-------|-------|----|------------|-------|-------|--------|--|
|    |       |       |       |    | rteres.txt |       |       |        |  |
| 37 | 5.330 | 5.317 | 5.382 | VV | 908        | 15352 | 0.05% | 0.012% |  |
| 38 | 5.415 | 5.382 | 5.454 | VV | 341        | 9851  | 0.04% | 0.008% |  |
| 39 | 5.474 | 5.454 | 5.504 | VV | 499        | 10144 | 0.04% | 0.008% |  |
| 40 | 5.523 | 5.504 | 5.532 | VV | 226        | 3183  | 0.01% | 0.003% |  |
| 41 | 5.548 | 5.532 | 5.572 | VV | 326        | 4633  | 0.02% | 0.004% |  |
| 42 | 5.592 | 5.572 | 5.615 | VV | 1357       | 17819 | 0.06% | 0.014% |  |
| 43 | 5.632 | 5.615 | 5.643 | VV | 1212       | 12399 | 0.04% | 0.010% |  |
| 44 | 5.658 | 5.643 | 5.709 | VV | 2502       | 32942 | 0.12% | 0.027% |  |
| 45 | 5.737 | 5.709 | 5.758 | VV | 234        | 4718  | 0.02% | 0.004% |  |
| 46 | 5.787 | 5.758 | 5.798 | VV | 929        | 10904 | 0.04% | 0.009% |  |
| 47 | 5.810 | 5.798 | 5.846 | VV | 889        | 13077 | 0.05% | 0.011% |  |
| 48 | 5.885 | 5.846 | 5.917 | VV | 1095       | 23136 | 0.08% | 0.019% |  |
| 49 | 5.935 | 5.917 | 5.951 | VV | 766        | 8336  | 0.03% | 0.007% |  |
| 50 | 5.975 | 5.951 | 5.992 | VV | 836        | 12230 | 0.04% | 0.010% |  |
| 51 | 6.002 | 5.992 | 6.027 | VV | 466        | 6524  | 0.02% | 0.005% |  |
| 52 | 6.048 | 6.027 | 6.076 | VV | 596        | 7385  | 0.03% | 0.006% |  |
| 53 | 6.093 | 6.076 | 6.122 | VV | 649        | 10807 | 0.04% | 0.009% |  |
| 54 | 6.147 | 6.122 | 6.164 | VV | 657        | 11290 | 0.04% | 0.009% |  |
| 55 | 6.183 | 6.164 | 6.209 | VV | 610        | 10235 | 0.04% | 0.008% |  |
| 56 | 6.229 | 6.209 | 6.254 | VV | 666        | 9488  | 0.03% | 0.008% |  |
| 57 | 6.286 | 6.254 | 6.305 | VV | 1021       | 18084 | 0.06% | 0.015% |  |
| 58 | 6.325 | 6.305 | 6.347 | VV | 579        | 11096 | 0.04% | 0.009% |  |
| 59 | 6.362 | 6.347 | 6.391 | VV | 800        | 12857 | 0.05% | 0.010% |  |
| 60 | 6.413 | 6.391 | 6.431 | VV | 827        | 14213 | 0.05% | 0.011% |  |
| 61 | 6.452 | 6.431 | 6.469 | VV | 656        | 10881 | 0.04% | 0.009% |  |
| 62 | 6.516 | 6.469 | 6.544 | VV | 1155       | 29621 | 0.11% | 0.024% |  |
| 63 | 6.566 | 6.544 | 6.644 | VV | 2793       | 53165 | 0.19% | 0.043% |  |
| 64 | 6.660 | 6.644 | 6.674 | VV | 491        | 7619  | 0.03% | 0.006% |  |
| 65 | 6.685 | 6.674 | 6.696 | VV | 532        | 6147  | 0.02% | 0.005% |  |
| 66 | 6.713 | 6.696 | 6.738 | VV | 1560       | 21288 | 0.08% | 0.017% |  |
| 67 | 6.767 | 6.738 | 6.810 | VV | 807        | 20273 | 0.07% | 0.016% |  |
| 68 | 6.851 | 6.810 | 6.871 | VV | 927        | 18318 | 0.07% | 0.015% |  |
| 69 | 6.891 | 6.871 | 6.902 | VV | 617        | 8676  | 0.03% | 0.007% |  |
| 70 | 6.910 | 6.902 | 6.939 | VV | 639        | 10599 | 0.04% | 0.009% |  |
| 71 | 6.977 | 6.939 | 6.999 | VV | 2446       | 32839 | 0.12% | 0.027% |  |
| 72 | 7.077 | 6.999 | 7.111 | VV | 805        | 35881 | 0.13% | 0.029% |  |
| 73 | 7.128 | 7.111 | 7.149 | VV | 1037       | 17663 | 0.06% | 0.014% |  |
| 74 | 7.166 | 7.149 | 7.175 | VV | 922        | 11327 | 0.04% | 0.009% |  |
| 75 | 7.202 | 7.175 | 7.247 | VV | 2284       | 55239 | 0.20% | 0.045% |  |
| 76 | 7.264 | 7.247 | 7.282 | VV | 1429       | 20823 | 0.07% | 0.017% |  |
| 77 | 7.290 | 7.282 | 7.309 | VV | 875        | 11909 | 0.04% | 0.010% |  |
| 78 | 7.339 | 7.309 | 7.357 | VV | 746        | 17589 | 0.06% | 0.014% |  |
| 79 | 7.381 | 7.357 | 7.431 | VV | 2879       | 59016 | 0.21% | 0.048% |  |
| 80 | 7.483 | 7.431 | 7.520 | VV | 5462       | 90545 | 0.32% | 0.073% |  |
| 81 | 7.537 | 7.520 | 7.556 | VV | 1228       | 17279 | 0.06% | 0.014% |  |
| 82 | 7.576 | 7.556 | 7.633 | VV | 895        | 30141 | 0.11% | 0.024% |  |
| 83 | 7.665 | 7.633 | 7.680 | VV | 1303       | 24095 | 0.09% | 0.019% |  |
| 84 | 7.690 | 7.680 | 7.706 | VV | 1015       | 12091 | 0.04% | 0.010% |  |
| 85 | 7.718 | 7.706 | 7.748 | VV | 685        | 9982  | 0.04% | 0.008% |  |
| 86 | 7.882 | 7.871 | 7.896 | VV | 1028       | 13967 | 0.05% | 0.011% |  |
| 87 | 7.932 | 7.896 | 7.947 | VV | 1306       | 31942 | 0.11% | 0.026% |  |
| 88 | 7.958 | 7.947 | 7.984 | VV | 1121       | 18126 | 0.06% | 0.015% |  |
| 89 | 8.003 | 7.984 | 8.025 | VV | 1319       | 20437 | 0.07% | 0.016% |  |

| rteres.txt |        |        |        |    |       |        |       |        |
|------------|--------|--------|--------|----|-------|--------|-------|--------|
| 90         | 8.048  | 8.025  | 8.071  | VV | 1295  | 23221  | 0.08% | 0.019% |
| 91         | 8.100  | 8.071  | 8.113  | VV | 2023  | 30172  | 0.11% | 0.024% |
| 92         | 8.123  | 8.113  | 8.152  | VV | 1355  | 21731  | 0.08% | 0.018% |
| 93         | 8.172  | 8.152  | 8.199  | VV | 2404  | 37576  | 0.13% | 0.030% |
| 94         | 8.207  | 8.199  | 8.224  | VV | 1047  | 14587  | 0.05% | 0.012% |
| 95         | 8.239  | 8.224  | 8.252  | VV | 993   | 16553  | 0.06% | 0.013% |
| 96         | 8.286  | 8.252  | 8.331  | VV | 10640 | 169383 | 0.61% | 0.137% |
| 97         | 8.349  | 8.331  | 8.387  | VV | 6659  | 91962  | 0.33% | 0.074% |
| 98         | 8.413  | 8.387  | 8.449  | VV | 2462  | 49168  | 0.18% | 0.040% |
| 99         | 8.468  | 8.449  | 8.509  | VV | 1107  | 26002  | 0.09% | 0.021% |
| 100        | 8.524  | 8.509  | 8.535  | VV | 1041  | 12420  | 0.04% | 0.010% |
| 101        | 8.546  | 8.535  | 8.561  | VV | 896   | 10686  | 0.04% | 0.009% |
| 102        | 8.581  | 8.561  | 8.616  | VV | 1149  | 22618  | 0.08% | 0.018% |
| 103        | 8.641  | 8.616  | 8.651  | VV | 576   | 9671   | 0.03% | 0.008% |
| 104        | 8.754  | 8.742  | 8.784  | VV | 1391  | 30523  | 0.11% | 0.025% |
| 105        | 8.801  | 8.784  | 8.825  | VV | 1396  | 30495  | 0.11% | 0.025% |
| 106        | 8.835  | 8.825  | 8.852  | VV | 1218  | 16259  | 0.06% | 0.013% |
| 107        | 8.882  | 8.852  | 8.905  | VV | 3089  | 46643  | 0.17% | 0.038% |
| 108        | 8.934  | 8.905  | 8.950  | VV | 1108  | 20544  | 0.07% | 0.017% |
| 109        | 8.962  | 8.950  | 8.979  | VV | 670   | 9708   | 0.03% | 0.008% |
| 110        | 9.005  | 8.979  | 9.024  | VV | 1061  | 20775  | 0.07% | 0.017% |
| 111        | 9.062  | 9.024  | 9.087  | VV | 1217  | 37458  | 0.13% | 0.030% |
| 112        | 9.128  | 9.087  | 9.146  | VV | 1959  | 44779  | 0.16% | 0.036% |
| 113        | 9.166  | 9.146  | 9.194  | VV | 6843  | 89020  | 0.32% | 0.072% |
| 114        | 9.218  | 9.194  | 9.242  | VV | 4172  | 55139  | 0.20% | 0.045% |
| 115        | 9.265  | 9.242  | 9.319  | VV | 1055  | 31060  | 0.11% | 0.025% |
| 116        | 9.334  | 9.319  | 9.350  | VV | 552   | 8295   | 0.03% | 0.007% |
| 117        | 9.374  | 9.350  | 9.397  | VV | 692   | 14090  | 0.05% | 0.011% |
| 118        | 9.407  | 9.397  | 9.424  | VV | 620   | 7670   | 0.03% | 0.006% |
| 119        | 9.462  | 9.424  | 9.484  | VV | 716   | 17042  | 0.06% | 0.014% |
| 120        | 9.502  | 9.484  | 9.516  | VV | 527   | 8222   | 0.03% | 0.007% |
| 121        | 9.543  | 9.516  | 9.565  | VV | 1426  | 27094  | 0.10% | 0.022% |
| 122        | 9.577  | 9.565  | 9.601  | VV | 870   | 14524  | 0.05% | 0.012% |
| 123        | 9.625  | 9.601  | 9.649  | VV | 1197  | 24113  | 0.09% | 0.019% |
| 124        | 9.668  | 9.649  | 9.688  | VV | 872   | 15458  | 0.06% | 0.012% |
| 125        | 9.724  | 9.688  | 9.764  | VV | 1042  | 23669  | 0.08% | 0.019% |
| 126        | 9.783  | 9.764  | 9.799  | VV | 443   | 7705   | 0.03% | 0.006% |
| 127        | 9.829  | 9.799  | 9.842  | VV | 473   | 8616   | 0.03% | 0.007% |
| 128        | 9.878  | 9.842  | 9.913  | VV | 3176  | 52989  | 0.19% | 0.043% |
| 129        | 9.940  | 9.913  | 9.992  | VV | 6249  | 85552  | 0.31% | 0.069% |
| 130        | 10.012 | 9.992  | 10.034 | VV | 415   | 7405   | 0.03% | 0.006% |
| 131        | 10.046 | 10.034 | 10.086 | VV | 350   | 7851   | 0.03% | 0.006% |
| 132        | 10.116 | 10.086 | 10.139 | VV | 391   | 7358   | 0.03% | 0.006% |
| 133        | 10.144 | 10.139 | 10.180 | VV | 285   | 3874   | 0.01% | 0.003% |
| 134        | 10.218 | 10.180 | 10.256 | VV | 788   | 17135  | 0.06% | 0.014% |
| 135        | 10.284 | 10.256 | 10.300 | VV | 737   | 12348  | 0.04% | 0.010% |
| 136        | 10.329 | 10.300 | 10.362 | VV | 2625  | 47575  | 0.17% | 0.038% |
| 137        | 10.377 | 10.362 | 10.394 | VV | 880   | 13675  | 0.05% | 0.011% |
| 138        | 10.418 | 10.394 | 10.448 | VV | 1212  | 23892  | 0.09% | 0.019% |
| 139        | 10.470 | 10.448 | 10.509 | VV | 1130  | 20069  | 0.07% | 0.016% |
| 140        | 10.521 | 10.509 | 10.541 | VV | 344   | 5129   | 0.02% | 0.004% |
| 141        | 10.568 | 10.541 | 10.596 | VV | 2830  | 53605  | 0.19% | 0.043% |

| rteres.txt |        |        |        |    |         |          |         |         |
|------------|--------|--------|--------|----|---------|----------|---------|---------|
| 142        | 10.609 | 10.596 | 10.642 | VV | 1860    | 29392    | 0.11%   | 0.024%  |
| 143        | 10.675 | 10.642 | 10.701 | VV | 5871    | 73046    | 0.26%   | 0.059%  |
| 144        | 10.725 | 10.701 | 10.776 | VV | 15116   | 196365   | 0.70%   | 0.159%  |
| 145        | 10.780 | 10.776 | 10.842 | VV | 683     | 12211    | 0.04%   | 0.010%  |
| 146        | 10.893 | 10.842 | 10.921 | PV | 521     | 11440    | 0.04%   | 0.009%  |
| 147        | 10.928 | 10.921 | 10.939 | VV | 198     | 2100     | 0.01%   | 0.002%  |
| 148        | 10.960 | 10.939 | 10.982 | VV | 889     | 14707    | 0.05%   | 0.012%  |
| 149        | 10.996 | 10.982 | 11.016 | VV | 495     | 8908     | 0.03%   | 0.007%  |
| 150        | 11.017 | 11.016 | 11.033 | VV | 588     | 2872     | 0.01%   | 0.002%  |
| 151        | 11.068 | 11.033 | 11.112 | VV | 673     | 16299    | 0.06%   | 0.013%  |
| 152        | 11.127 | 11.112 | 11.149 | VV | 558     | 5892     | 0.02%   | 0.005%  |
| 153        | 11.179 | 11.149 | 11.201 | PV | 641     | 9316     | 0.03%   | 0.008%  |
| 154        | 11.223 | 11.201 | 11.273 | VV | 1362    | 21351    | 0.08%   | 0.017%  |
| 155        | 11.299 | 11.273 | 11.324 | VV | 1045    | 15337    | 0.05%   | 0.012%  |
| 156        | 11.375 | 11.324 | 11.401 | VV | 4921    | 63131    | 0.23%   | 0.051%  |
| 157        | 11.425 | 11.401 | 11.447 | VV | 2465    | 32569    | 0.12%   | 0.026%  |
| 158        | 11.467 | 11.447 | 11.499 | VV | 1505    | 26122    | 0.09%   | 0.021%  |
| 159        | 11.530 | 11.499 | 11.542 | VV | 482     | 10946    | 0.04%   | 0.009%  |
| 160        | 11.569 | 11.542 | 11.591 | VV | 536     | 12909    | 0.05%   | 0.010%  |
| 161        | 11.618 | 11.591 | 11.642 | VV | 636     | 15267    | 0.05%   | 0.012%  |
| 162        | 11.700 | 11.642 | 11.754 | VV | 51595   | 584374   | 2.09%   | 0.472%  |
| 163        | 11.772 | 11.754 | 11.794 | VV | 844     | 16810    | 0.06%   | 0.014%  |
| 164        | 11.806 | 11.794 | 11.818 | VV | 625     | 8262     | 0.03%   | 0.007%  |
| 165        | 11.856 | 11.818 | 11.877 | VV | 1380    | 29727    | 0.11%   | 0.024%  |
| 166        | 11.933 | 11.877 | 11.981 | VV | 25298   | 365028   | 1.31%   | 0.295%  |
| 167        | 11.996 | 11.981 | 12.012 | VV | 1591    | 22064    | 0.08%   | 0.018%  |
| 168        | 12.042 | 12.012 | 12.062 | VV | 4450    | 65136    | 0.23%   | 0.053%  |
| 169        | 12.100 | 12.062 | 12.129 | VV | 811166  | 9116308  | 32.60%  | 7.360%  |
| 170        | 12.147 | 12.129 | 12.202 | VV | 5516    | 82961    | 0.30%   | 0.067%  |
| 171        | 12.232 | 12.202 | 12.257 | VV | 689     | 18615    | 0.07%   | 0.015%  |
| 172        | 12.279 | 12.257 | 12.299 | VV | 603     | 13620    | 0.05%   | 0.011%  |
| 173        | 12.313 | 12.299 | 12.329 | VV | 578     | 9042     | 0.03%   | 0.007%  |
| 174        | 12.347 | 12.329 | 12.392 | VV | 1328    | 26087    | 0.09%   | 0.021%  |
| 175        | 12.425 | 12.392 | 12.442 | VV | 712     | 15981    | 0.06%   | 0.013%  |
| 176        | 12.453 | 12.442 | 12.476 | VV | 573     | 8757     | 0.03%   | 0.007%  |
| 177        | 12.506 | 12.476 | 12.515 | VV | 1205    | 16022    | 0.06%   | 0.013%  |
| 178        | 12.531 | 12.515 | 12.541 | VV | 2330    | 26675    | 0.10%   | 0.022%  |
| 179        | 12.560 | 12.541 | 12.589 | VV | 11277   | 137402   | 0.49%   | 0.111%  |
| 180        | 12.599 | 12.589 | 12.631 | VV | 549     | 10135    | 0.04%   | 0.008%  |
| 181        | 12.679 | 12.631 | 12.702 | VV | 4016    | 56931    | 0.20%   | 0.046%  |
| 182        | 12.732 | 12.702 | 12.756 | VV | 12151   | 143438   | 0.51%   | 0.116%  |
| 183        | 12.768 | 12.756 | 12.811 | VV | 912     | 11645    | 0.04%   | 0.009%  |
| 184        | 12.827 | 12.811 | 12.841 | VV | 168     | 1831     | 0.01%   | 0.001%  |
| 185        | 12.861 | 12.841 | 12.874 | PV | 393     | 4482     | 0.02%   | 0.004%  |
| 186        | 12.930 | 12.874 | 12.959 | VV | 695     | 19856    | 0.07%   | 0.016%  |
| 187        | 12.974 | 12.959 | 13.026 | VV | 699     | 14057    | 0.05%   | 0.011%  |
| 188        | 13.066 | 13.026 | 13.077 | VV | 1008    | 17525    | 0.06%   | 0.014%  |
| 189        | 13.128 | 13.077 | 13.155 | VV | 1808161 | 27961348 | 100.00% | 22.573% |
| 190        | 13.187 | 13.155 | 13.249 | VV | 1926243 | 27486966 | 98.30%  | 22.190% |
| 191        | 13.264 | 13.249 | 13.279 | VV | 5214    | 66799    | 0.24%   | 0.054%  |
| 192        | 13.290 | 13.279 | 13.312 | VV | 3886    | 50867    | 0.18%   | 0.041%  |
| 193        | 13.347 | 13.312 | 13.373 | VV | 396426  | 4496073  | 16.08%  | 3.630%  |
| 194        | 13.388 | 13.373 | 13.397 | VV | 9551    | 111769   | 0.40%   | 0.090%  |

|     |        |        |        |    |            |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
|     |        |        |        |    | rteres.txt |        |       |        |
| 195 | 13.406 | 13.397 | 13.422 | VV | 9014       | 102665 | 0.37% | 0.083% |
| 196 | 13.436 | 13.422 | 13.481 | VV | 7730       | 108481 | 0.39% | 0.088% |
| 197 | 13.507 | 13.481 | 13.520 | VV | 1731       | 25366  | 0.09% | 0.020% |
| 198 | 13.543 | 13.520 | 13.590 | VV | 2746       | 59320  | 0.21% | 0.048% |
| 199 | 13.638 | 13.590 | 13.667 | VV | 41002      | 532693 | 1.91% | 0.430% |
| 200 | 13.676 | 13.667 | 13.699 | VV | 1553       | 20276  | 0.07% | 0.016% |
| 201 | 13.748 | 13.699 | 13.757 | VV | 3328       | 54208  | 0.19% | 0.044% |
| 202 | 13.770 | 13.757 | 13.796 | VV | 3803       | 57136  | 0.20% | 0.046% |
| 203 | 13.819 | 13.796 | 13.852 | VV | 682        | 14960  | 0.05% | 0.012% |
| 204 | 13.885 | 13.852 | 13.895 | PV | 12673      | 170535 | 0.61% | 0.138% |
| 205 | 13.919 | 13.895 | 13.950 | VV | 30099      | 491640 | 1.76% | 0.397% |
| 206 | 13.988 | 13.950 | 14.029 | VV | 28998      | 609987 | 2.18% | 0.492% |
| 207 | 14.044 | 14.029 | 14.062 | VV | 1668       | 21630  | 0.08% | 0.017% |
| 208 | 14.104 | 14.062 | 14.122 | VV | 3180       | 84344  | 0.30% | 0.068% |
| 209 | 14.158 | 14.122 | 14.167 | VV | 47353      | 562004 | 2.01% | 0.454% |
| 210 | 14.177 | 14.167 | 14.229 | VV | 47762      | 611928 | 2.19% | 0.494% |
| 211 | 14.273 | 14.229 | 14.298 | VV | 7650       | 203936 | 0.73% | 0.165% |
| 212 | 14.329 | 14.298 | 14.338 | VV | 28248      | 365334 | 1.31% | 0.295% |
| 213 | 14.351 | 14.338 | 14.405 | VV | 36904      | 603982 | 2.16% | 0.488% |
| 214 | 14.429 | 14.405 | 14.462 | VV | 28252      | 432022 | 1.55% | 0.349% |
| 215 | 14.491 | 14.462 | 14.527 | VV | 34321      | 534530 | 1.91% | 0.432% |
| 216 | 14.552 | 14.527 | 14.579 | VV | 57249      | 730638 | 2.61% | 0.590% |
| 217 | 14.605 | 14.579 | 14.631 | VV | 37369      | 474272 | 1.70% | 0.383% |
| 218 | 14.651 | 14.631 | 14.707 | VV | 5937       | 99659  | 0.36% | 0.080% |
| 219 | 14.767 | 14.707 | 14.791 | VV | 2853       | 60949  | 0.22% | 0.049% |
| 220 | 14.813 | 14.791 | 14.842 | VV | 3118       | 52048  | 0.19% | 0.042% |
| 221 | 14.865 | 14.842 | 14.889 | VV | 4209       | 57815  | 0.21% | 0.047% |
| 222 | 14.915 | 14.889 | 14.927 | VV | 1250       | 25064  | 0.09% | 0.020% |
| 223 | 14.967 | 14.927 | 15.006 | VV | 33994      | 556272 | 1.99% | 0.449% |
| 224 | 15.027 | 15.006 | 15.042 | VV | 2876       | 35055  | 0.13% | 0.028% |
| 225 | 15.059 | 15.042 | 15.072 | VV | 2845       | 37183  | 0.13% | 0.030% |
| 226 | 15.085 | 15.072 | 15.126 | VV | 2840       | 54621  | 0.20% | 0.044% |
| 227 | 15.140 | 15.126 | 15.157 | VV | 993        | 16616  | 0.06% | 0.013% |
| 228 | 15.175 | 15.157 | 15.211 | VV | 1066       | 22040  | 0.08% | 0.018% |
| 229 | 15.286 | 15.211 | 15.329 | VV | 2289       | 70662  | 0.25% | 0.057% |
| 230 | 15.361 | 15.329 | 15.385 | PV | 2888       | 44497  | 0.16% | 0.036% |
| 231 | 15.401 | 15.385 | 15.425 | VV | 1070       | 15664  | 0.06% | 0.013% |
| 232 | 15.447 | 15.425 | 15.459 | VV | 320        | 4845   | 0.02% | 0.004% |
| 233 | 15.490 | 15.459 | 15.514 | VV | 2048       | 25619  | 0.09% | 0.021% |
| 234 | 15.548 | 15.514 | 15.591 | VV | 24990      | 303812 | 1.09% | 0.245% |
| 235 | 15.630 | 15.591 | 15.649 | VV | 336        | 8479   | 0.03% | 0.007% |
| 236 | 15.672 | 15.649 | 15.694 | VV | 469        | 6314   | 0.02% | 0.005% |
| 237 | 15.721 | 15.694 | 15.739 | PV | 742        | 9694   | 0.03% | 0.008% |
| 238 | 15.780 | 15.739 | 15.791 | VV | 468        | 9545   | 0.03% | 0.008% |
| 239 | 15.809 | 15.791 | 15.829 | VV | 443        | 7115   | 0.03% | 0.006% |
| 240 | 15.988 | 15.829 | 16.016 | PV | 2181       | 48743  | 0.17% | 0.039% |
| 241 | 16.049 | 16.016 | 16.074 | VV | 2528       | 36647  | 0.13% | 0.030% |
| 242 | 16.086 | 16.074 | 16.102 | VV | 285        | 2449   | 0.01% | 0.002% |
| 243 | 16.192 | 16.102 | 16.231 | PV | 561        | 15283  | 0.05% | 0.012% |
| 244 | 16.295 | 16.231 | 16.316 | PV | 512        | 11102  | 0.04% | 0.009% |
| 245 | 16.372 | 16.316 | 16.386 | VV | 1465       | 28149  | 0.10% | 0.023% |
| 246 | 16.399 | 16.386 | 16.431 | VV | 1408       | 21817  | 0.08% | 0.018% |

|     |        |        |        |    |            |         |        |        |  |
|-----|--------|--------|--------|----|------------|---------|--------|--------|--|
|     |        |        |        |    | rteres.txt |         |        |        |  |
| 247 | 16.470 | 16.431 | 16.504 | PV | 2518       | 40080   | 0.14%  | 0.032% |  |
| 248 | 16.531 | 16.504 | 16.574 | VV | 7418       | 102018  | 0.36%  | 0.082% |  |
| 249 | 16.635 | 16.574 | 16.649 | PV | 473        | 12995   | 0.05%  | 0.010% |  |
| 250 | 16.709 | 16.649 | 16.721 | VV | 400        | 10500   | 0.04%  | 0.008% |  |
| 251 | 16.788 | 16.721 | 16.796 | PV | 334        | 5875    | 0.02%  | 0.005% |  |
| 252 | 16.822 | 16.796 | 16.846 | VV | 766        | 12469   | 0.04%  | 0.010% |  |
| 253 | 16.935 | 16.846 | 16.959 | PV | 3253       | 46930   | 0.17%  | 0.038% |  |
| 254 | 16.983 | 16.959 | 17.004 | VV | 1796       | 33381   | 0.12%  | 0.027% |  |
| 255 | 17.014 | 17.004 | 17.037 | VV | 1033       | 12535   | 0.04%  | 0.010% |  |
| 256 | 17.202 | 17.037 | 17.219 | PV | 793        | 25801   | 0.09%  | 0.021% |  |
| 257 | 17.269 | 17.219 | 17.282 | VV | 838        | 13404   | 0.05%  | 0.011% |  |
| 258 | 17.313 | 17.282 | 17.347 | VV | 1608       | 30693   | 0.11%  | 0.025% |  |
| 259 | 17.384 | 17.347 | 17.412 | VV | 4567       | 70328   | 0.25%  | 0.057% |  |
| 260 | 17.444 | 17.412 | 17.461 | PV | 1109       | 17710   | 0.06%  | 0.014% |  |
| 261 | 17.521 | 17.461 | 17.544 | VV | 678        | 18142   | 0.06%  | 0.015% |  |
| 262 | 17.576 | 17.544 | 17.591 | VV | 419        | 5920    | 0.02%  | 0.005% |  |
| 263 | 17.672 | 17.591 | 17.684 | PV | 516        | 13612   | 0.05%  | 0.011% |  |
| 264 | 17.822 | 17.684 | 17.859 | VV | 4324       | 105033  | 0.38%  | 0.085% |  |
| 265 | 17.910 | 17.859 | 17.923 | PV | 964        | 21701   | 0.08%  | 0.018% |  |
| 266 | 17.985 | 17.923 | 18.008 | VV | 3853       | 69981   | 0.25%  | 0.056% |  |
| 267 | 18.020 | 18.008 | 18.046 | VV | 1158       | 17796   | 0.06%  | 0.014% |  |
| 268 | 18.091 | 18.046 | 18.110 | VV | 934        | 19049   | 0.07%  | 0.015% |  |
| 269 | 18.159 | 18.110 | 18.168 | PV | 1426       | 25815   | 0.09%  | 0.021% |  |
| 270 | 18.193 | 18.168 | 18.216 | VV | 2251       | 43616   | 0.16%  | 0.035% |  |
| 271 | 18.241 | 18.216 | 18.271 | VV | 6032       | 85857   | 0.31%  | 0.069% |  |
| 272 | 18.353 | 18.271 | 18.370 | PV | 3318       | 70663   | 0.25%  | 0.057% |  |
| 273 | 18.394 | 18.370 | 18.404 | VV | 1341       | 25413   | 0.09%  | 0.021% |  |
| 274 | 18.550 | 18.404 | 18.560 | VV | 1311       | 94853   | 0.34%  | 0.077% |  |
| 275 | 18.651 | 18.560 | 18.696 | VV | 7409       | 175598  | 0.63%  | 0.142% |  |
| 276 | 18.778 | 18.696 | 18.799 | VV | 4476       | 158998  | 0.57%  | 0.128% |  |
| 277 | 18.821 | 18.799 | 18.842 | VV | 4200       | 88220   | 0.32%  | 0.071% |  |
| 278 | 19.030 | 18.842 | 19.072 | VV | 12840      | 845158  | 3.02%  | 0.682% |  |
| 279 | 19.101 | 19.072 | 19.117 | VV | 8487       | 218848  | 0.78%  | 0.177% |  |
| 280 | 19.165 | 19.117 | 19.176 | VV | 8929       | 286737  | 1.03%  | 0.231% |  |
| 281 | 19.197 | 19.176 | 19.224 | VV | 8218       | 226073  | 0.81%  | 0.183% |  |
| 282 | 19.243 | 19.224 | 19.254 | VV | 7404       | 129756  | 0.46%  | 0.105% |  |
| 283 | 19.388 | 19.254 | 19.397 | VV | 9703       | 751371  | 2.69%  | 0.607% |  |
| 284 | 19.430 | 19.397 | 19.452 | VV | 14043      | 385110  | 1.38%  | 0.311% |  |
| 285 | 19.478 | 19.452 | 19.487 | VV | 12980      | 253989  | 0.91%  | 0.205% |  |
| 286 | 19.543 | 19.487 | 19.564 | VV | 16426      | 691470  | 2.47%  | 0.558% |  |
| 287 | 19.586 | 19.564 | 19.597 | VV | 16304      | 312049  | 1.12%  | 0.252% |  |
| 288 | 19.627 | 19.597 | 19.636 | VV | 16496      | 380660  | 1.36%  | 0.307% |  |
| 289 | 19.806 | 19.636 | 19.842 | VV | 26713      | 2349938 | 8.40%  | 1.897% |  |
| 290 | 19.869 | 19.842 | 19.880 | VV | 23865      | 514198  | 1.84%  | 0.415% |  |
| 291 | 19.916 | 19.880 | 19.926 | VV | 24768      | 665151  | 2.38%  | 0.537% |  |
| 292 | 20.098 | 19.926 | 20.116 | VV | 34309      | 3242766 | 11.60% | 2.618% |  |
| 293 | 20.128 | 20.116 | 20.135 | VV | 32993      | 384192  | 1.37%  | 0.310% |  |
| 294 | 20.173 | 20.135 | 20.221 | VV | 36347      | 1768600 | 6.33%  | 1.428% |  |
| 295 | 20.397 | 20.221 | 20.509 | VV | 46667      | 7151839 | 25.58% | 5.774% |  |
| 296 | 20.547 | 20.509 | 20.578 | VV | 42328      | 1695380 | 6.06%  | 1.369% |  |
| 297 | 20.594 | 20.578 | 20.619 | VV | 40097      | 973594  | 3.48%  | 0.786% |  |
| 298 | 20.673 | 20.619 | 20.682 | VV | 41194      | 1544319 | 5.52%  | 1.247% |  |
| 299 | 20.690 | 20.682 | 20.757 | VV | 41151      | 1649375 | 5.90%  | 1.332% |  |

|     |        |        |        |    |                         |         |           |        |
|-----|--------|--------|--------|----|-------------------------|---------|-----------|--------|
|     |        |        |        |    | rteres.txt              |         |           |        |
| 300 | 20.843 | 20.757 | 20.874 | VV | 31525                   | 2199744 | 7.87%     | 1.776% |
| 301 | 20.927 | 20.874 | 20.942 | VV | 30888                   | 1231776 | 4.41%     | 0.994% |
| 302 | 20.978 | 20.942 | 21.017 | VV | 28804                   | 1276497 | 4.57%     | 1.031% |
| 303 | 21.024 | 21.017 | 21.066 | VV | 27213                   | 739742  | 2.65%     | 0.597% |
| 304 | 21.099 | 21.066 | 21.127 | VV | 24573                   | 879860  | 3.15%     | 0.710% |
| 305 | 21.143 | 21.127 | 21.154 | VV | 23095                   | 373299  | 1.34%     | 0.301% |
| 306 | 21.204 | 21.154 | 21.247 | VV | 23908                   | 1289546 | 4.61%     | 1.041% |
| 307 | 21.282 | 21.247 | 21.339 | VV | 23103                   | 1194148 | 4.27%     | 0.964% |
| 308 | 21.360 | 21.339 | 21.423 | VV | 19672                   | 894726  | 3.20%     | 0.722% |
| 309 | 21.449 | 21.423 | 21.476 | VV | 15643                   | 471098  | 1.68%     | 0.380% |
| 310 | 21.484 | 21.476 | 21.519 | VV | 14583                   | 348898  | 1.25%     | 0.282% |
| 311 | 21.616 | 21.519 | 21.692 | VV | 12742                   | 1197975 | 4.28%     | 0.967% |
| 312 | 21.706 | 21.692 | 21.733 | VV | 8149                    | 196212  | 0.70%     | 0.158% |
| 313 | 21.856 | 21.733 | 21.959 | VV | 8830                    | 820255  | 2.93%     | 0.662% |
|     |        |        |        |    | Sum of corrected areas: |         | 123871273 |        |

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