

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC010419AL\  
 Data File : FC038476.D  
 Signal(s) : FID1A.CH  
 Acq On : 04 Jan 2019 19:51  
 Sample : K1025-01DL 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 121018.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         | 3.107       | 3.082        | 3.118      | BV       | 75             | 1383         | 0.06%          | 0.005%        |
| 2         | 3.160       | 3.140        | 3.204      | VV       | 169            | 4239         | 0.19%          | 0.014%        |
| 3         | 3.218       | 3.204        | 3.266      | PV       | 189            | 4522         | 0.20%          | 0.015%        |
| 4         | 3.270       | 3.266        | 3.289      | VV       | 210            | 1696         | 0.08%          | 0.006%        |
| 5         | 3.298       | 3.289        | 3.341      | VV       | 188            | 4142         | 0.18%          | 0.014%        |
| 6         | 3.348       | 3.341        | 3.382      | VV       | 240            | 2483         | 0.11%          | 0.008%        |
| 7         | 3.392       | 3.382        | 3.419      | VV       | 190            | 1644         | 0.07%          | 0.006%        |
| 8         | 3.467       | 3.419        | 3.497      | VV       | 184            | 3697         | 0.16%          | 0.013%        |
| 9         | 3.509       | 3.497        | 3.572      | PV       | 170            | 4339         | 0.19%          | 0.015%        |
| 10        | 3.591       | 3.572        | 3.605      | VV       | 174            | 2367         | 0.10%          | 0.008%        |
| 11        | 3.614       | 3.605        | 3.656      | VV       | 165            | 3730         | 0.17%          | 0.013%        |
| 12        | 3.664       | 3.656        | 3.709      | VV       | 174            | 3056         | 0.14%          | 0.010%        |
| 13        | 3.723       | 3.709        | 3.737      | PV       | 187            | 1579         | 0.07%          | 0.005%        |
| 14        | 3.751       | 3.737        | 3.808      | VV       | 256            | 5339         | 0.24%          | 0.018%        |
| 15        | 3.824       | 3.808        | 3.842      | VV       | 187            | 2364         | 0.10%          | 0.008%        |
| 16        | 3.853       | 3.842        | 3.909      | VV       | 188            | 3865         | 0.17%          | 0.013%        |
| 17        | 3.925       | 3.909        | 3.944      | VV       | 276            | 3081         | 0.14%          | 0.011%        |
| 18        | 3.967       | 3.944        | 3.976      | VV       | 199            | 2117         | 0.09%          | 0.007%        |
| 19        | 3.982       | 3.976        | 4.007      | VV       | 119            | 1663         | 0.07%          | 0.006%        |
| 20        | 4.013       | 4.007        | 4.027      | VV       | 117            | 1179         | 0.05%          | 0.004%        |
| 21        | 4.061       | 4.027        | 4.090      | VV       | 146            | 3739         | 0.17%          | 0.013%        |
| 22        | 4.099       | 4.090        | 4.121      | VV       | 222            | 2182         | 0.10%          | 0.007%        |
| 23        | 4.167       | 4.121        | 4.192      | VV       | 251            | 5941         | 0.26%          | 0.020%        |
| 24        | 4.200       | 4.192        | 4.224      | VV       | 265            | 2865         | 0.13%          | 0.010%        |
| 25        | 4.231       | 4.224        | 4.240      | VV       | 188            | 1305         | 0.06%          | 0.004%        |
| 26        | 4.269       | 4.240        | 4.309      | VV       | 215            | 5227         | 0.23%          | 0.018%        |
| 27        | 4.326       | 4.309        | 4.367      | VV       | 197            | 4750         | 0.21%          | 0.016%        |
| 28        | 4.381       | 4.367        | 4.436      | VV       | 184            | 5367         | 0.24%          | 0.018%        |
| 29        | 4.449       | 4.436        | 4.476      | VV       | 166            | 2847         | 0.13%          | 0.010%        |
| 30        | 4.492       | 4.476        | 4.499      | VV       | 174            | 1691         | 0.07%          | 0.006%        |
| 31        | 4.510       | 4.499        | 4.521      | VV       | 207            | 1737         | 0.08%          | 0.006%        |
| 32        | 4.540       | 4.521        | 4.601      | VV       | 230            | 5793         | 0.26%          | 0.020%        |
| 33        | 4.620       | 4.601        | 4.646      | VV       | 148            | 2299         | 0.10%          | 0.008%        |
| 34        | 4.679       | 4.646        | 4.689      | PV       | 134            | 2815         | 0.12%          | 0.010%        |
| 35        | 4.713       | 4.689        | 4.741      | VV       | 170            | 3741         | 0.17%          | 0.013%        |
| 36        | 4.791       | 4.741        | 4.816      | VV       | 289            | 6805         | 0.30%          | 0.023%        |

|    |       |       |       |    |            |       |       |        |  |
|----|-------|-------|-------|----|------------|-------|-------|--------|--|
|    |       |       |       |    | rteres.txt |       |       |        |  |
| 37 | 4.826 | 4.816 | 4.836 | VV | 244        | 1878  | 0.08% | 0.006% |  |
| 38 | 4.840 | 4.836 | 4.904 | VV | 229        | 5088  | 0.23% | 0.017% |  |
| 39 | 4.912 | 4.904 | 4.942 | VV | 156        | 2633  | 0.12% | 0.009% |  |
| 40 | 4.985 | 4.956 | 4.997 | VV | 183        | 3298  | 0.15% | 0.011% |  |
| 41 | 5.003 | 4.997 | 5.016 | VV | 166        | 1172  | 0.05% | 0.004% |  |
| 42 | 5.040 | 5.016 | 5.068 | VV | 219        | 4159  | 0.18% | 0.014% |  |
| 43 | 5.080 | 5.068 | 5.103 | VV | 182        | 2733  | 0.12% | 0.009% |  |
| 44 | 5.147 | 5.103 | 5.179 | VV | 240        | 6116  | 0.27% | 0.021% |  |
| 45 | 5.195 | 5.179 | 5.221 | VV | 284        | 4456  | 0.20% | 0.015% |  |
| 46 | 5.229 | 5.221 | 5.272 | VV | 198        | 5189  | 0.23% | 0.018% |  |
| 47 | 5.292 | 5.272 | 5.307 | VV | 271        | 3955  | 0.18% | 0.013% |  |
| 48 | 5.323 | 5.307 | 5.342 | VV | 219        | 3348  | 0.15% | 0.011% |  |
| 49 | 5.371 | 5.342 | 5.416 | VV | 266        | 8299  | 0.37% | 0.028% |  |
| 50 | 5.431 | 5.416 | 5.457 | VV | 220        | 4450  | 0.20% | 0.015% |  |
| 51 | 5.468 | 5.457 | 5.491 | VV | 285        | 4069  | 0.18% | 0.014% |  |
| 52 | 5.504 | 5.491 | 5.549 | VV | 212        | 6413  | 0.28% | 0.022% |  |
| 53 | 5.555 | 5.549 | 5.585 | VV | 164        | 3178  | 0.14% | 0.011% |  |
| 54 | 5.601 | 5.585 | 5.624 | VV | 228        | 3969  | 0.18% | 0.014% |  |
| 55 | 5.647 | 5.624 | 5.685 | VV | 309        | 6582  | 0.29% | 0.022% |  |
| 56 | 5.702 | 5.685 | 5.717 | VV | 273        | 3701  | 0.16% | 0.013% |  |
| 57 | 5.731 | 5.717 | 5.808 | VV | 320        | 12133 | 0.54% | 0.041% |  |
| 58 | 5.816 | 5.808 | 5.851 | VV | 290        | 5716  | 0.25% | 0.020% |  |
| 59 | 5.908 | 5.851 | 5.982 | VV | 346        | 17906 | 0.79% | 0.061% |  |
| 60 | 5.989 | 5.982 | 6.009 | VV | 295        | 3284  | 0.15% | 0.011% |  |
| 61 | 6.023 | 6.009 | 6.036 | VV | 299        | 3486  | 0.15% | 0.012% |  |
| 62 | 6.043 | 6.036 | 6.095 | VV | 299        | 7449  | 0.33% | 0.025% |  |
| 63 | 6.109 | 6.095 | 6.136 | VV | 225        | 4805  | 0.21% | 0.016% |  |
| 64 | 6.170 | 6.136 | 6.183 | VV | 326        | 5837  | 0.26% | 0.020% |  |
| 65 | 6.192 | 6.183 | 6.206 | VV | 196        | 2120  | 0.09% | 0.007% |  |
| 66 | 6.220 | 6.206 | 6.238 | VV | 284        | 3310  | 0.15% | 0.011% |  |
| 67 | 6.246 | 6.238 | 6.274 | VV | 241        | 2715  | 0.12% | 0.009% |  |
| 68 | 6.284 | 6.274 | 6.342 | VV | 235        | 6422  | 0.28% | 0.022% |  |
| 69 | 6.349 | 6.342 | 6.379 | VV | 188        | 2976  | 0.13% | 0.010% |  |
| 70 | 6.385 | 6.379 | 6.395 | PV | 147        | 1304  | 0.06% | 0.004% |  |
| 71 | 6.409 | 6.395 | 6.446 | VV | 242        | 3588  | 0.16% | 0.012% |  |
| 72 | 6.482 | 6.446 | 6.514 | VV | 251        | 6575  | 0.29% | 0.022% |  |
| 73 | 6.548 | 6.514 | 6.632 | VV | 229        | 10031 | 0.44% | 0.034% |  |
| 74 | 6.640 | 6.632 | 6.652 | VV | 155        | 1015  | 0.04% | 0.003% |  |
| 75 | 6.685 | 6.652 | 6.697 | VV | 258        | 3441  | 0.15% | 0.012% |  |
| 76 | 6.721 | 6.697 | 6.748 | VV | 216        | 3865  | 0.17% | 0.013% |  |
| 77 | 6.791 | 6.748 | 6.812 | VV | 188        | 5123  | 0.23% | 0.017% |  |
| 78 | 6.818 | 6.812 | 6.834 | VV | 161        | 1634  | 0.07% | 0.006% |  |
| 79 | 6.870 | 6.834 | 6.900 | VV | 249        | 6493  | 0.29% | 0.022% |  |
| 80 | 6.921 | 6.900 | 6.937 | VV | 267        | 3313  | 0.15% | 0.011% |  |
| 81 | 6.958 | 6.937 | 6.966 | VV | 223        | 3296  | 0.15% | 0.011% |  |
| 82 | 6.987 | 6.966 | 7.026 | VV | 312        | 6863  | 0.30% | 0.023% |  |
| 83 | 7.034 | 7.026 | 7.042 | VV | 267        | 1876  | 0.08% | 0.006% |  |
| 84 | 7.053 | 7.042 | 7.064 | VV | 252        | 2829  | 0.13% | 0.010% |  |
| 85 | 7.086 | 7.064 | 7.141 | VV | 415        | 9222  | 0.41% | 0.031% |  |
| 86 | 7.157 | 7.141 | 7.201 | VV | 166        | 3612  | 0.16% | 0.012% |  |
| 87 | 7.210 | 7.201 | 7.219 | PV | 159        | 1020  | 0.05% | 0.003% |  |
| 88 | 7.252 | 7.219 | 7.286 | VV | 170        | 4953  | 0.22% | 0.017% |  |
| 89 | 7.291 | 7.286 | 7.329 | VV | 194        | 3357  | 0.15% | 0.011% |  |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 90  | 7.385  | 7.329  | 7.472  | VV | 76988      | 927711 | 41.11% | 3.165% |
| 91  | 7.496  | 7.472  | 7.663  | VV | 2080       | 110016 | 4.88%  | 0.375% |
| 92  | 7.674  | 7.663  | 7.724  | VV | 476        | 14266  | 0.63%  | 0.049% |
| 93  | 7.733  | 7.724  | 7.742  | VV | 360        | 3400   | 0.15%  | 0.012% |
| 94  | 7.764  | 7.742  | 7.793  | VV | 407        | 10089  | 0.45%  | 0.034% |
| 95  | 7.804  | 7.793  | 7.827  | VV | 412        | 6180   | 0.27%  | 0.021% |
| 96  | 7.851  | 7.827  | 7.890  | VV | 425        | 12607  | 0.56%  | 0.043% |
| 97  | 7.948  | 7.890  | 7.986  | VV | 598        | 21084  | 0.93%  | 0.072% |
| 98  | 8.011  | 7.986  | 8.053  | VV | 969        | 17939  | 0.80%  | 0.061% |
| 99  | 8.060  | 8.053  | 8.076  | VV | 310        | 3390   | 0.15%  | 0.012% |
| 100 | 8.092  | 8.076  | 8.137  | VV | 313        | 7044   | 0.31%  | 0.024% |
| 101 | 8.154  | 8.137  | 8.169  | VV | 197        | 2656   | 0.12%  | 0.009% |
| 102 | 8.177  | 8.169  | 8.193  | VV | 224        | 1652   | 0.07%  | 0.006% |
| 103 | 8.241  | 8.193  | 8.436  | VV | 34815      | 618889 | 27.43% | 2.112% |
| 104 | 8.444  | 8.436  | 8.470  | VV | 918        | 16854  | 0.75%  | 0.058% |
| 105 | 8.481  | 8.470  | 8.562  | VV | 900        | 30315  | 1.34%  | 0.103% |
| 106 | 8.575  | 8.562  | 8.612  | VV | 381        | 10058  | 0.45%  | 0.034% |
| 107 | 8.620  | 8.612  | 8.649  | VV | 355        | 6477   | 0.29%  | 0.022% |
| 108 | 8.670  | 8.649  | 8.719  | VV | 475        | 12808  | 0.57%  | 0.044% |
| 109 | 8.765  | 8.719  | 8.831  | VV | 952        | 23595  | 1.05%  | 0.081% |
| 110 | 8.841  | 8.831  | 8.856  | VV | 323        | 2519   | 0.11%  | 0.009% |
| 111 | 8.866  | 8.856  | 8.873  | VV | 141        | 1208   | 0.05%  | 0.004% |
| 112 | 8.954  | 8.873  | 8.997  | VV | 2108       | 45561  | 2.02%  | 0.155% |
| 113 | 9.031  | 8.997  | 9.071  | VV | 206        | 5892   | 0.26%  | 0.020% |
| 114 | 9.084  | 9.071  | 9.102  | VV | 136        | 1420   | 0.06%  | 0.005% |
| 115 | 9.133  | 9.102  | 9.167  | PV | 306        | 5917   | 0.26%  | 0.020% |
| 116 | 9.189  | 9.167  | 9.216  | VV | 289        | 4805   | 0.21%  | 0.016% |
| 117 | 9.222  | 9.216  | 9.259  | VV | 197        | 2784   | 0.12%  | 0.009% |
| 118 | 9.275  | 9.259  | 9.294  | VV | 162        | 2347   | 0.10%  | 0.008% |
| 119 | 9.322  | 9.294  | 9.359  | VV | 269        | 4159   | 0.18%  | 0.014% |
| 120 | 9.458  | 9.359  | 9.512  | PV | 416        | 15786  | 0.70%  | 0.054% |
| 121 | 9.539  | 9.512  | 9.589  | VV | 1096       | 17568  | 0.78%  | 0.060% |
| 122 | 9.623  | 9.589  | 9.636  | VV | 191        | 3922   | 0.17%  | 0.013% |
| 123 | 9.642  | 9.636  | 9.679  | VV | 215        | 2639   | 0.12%  | 0.009% |
| 124 | 9.690  | 9.679  | 9.737  | VV | 217        | 3676   | 0.16%  | 0.013% |
| 125 | 9.747  | 9.737  | 9.762  | PV | 119        | 1309   | 0.06%  | 0.004% |
| 126 | 9.769  | 9.762  | 9.809  | VV | 124        | 2267   | 0.10%  | 0.008% |
| 127 | 9.883  | 9.827  | 9.897  | PV | 221        | 4729   | 0.21%  | 0.016% |
| 128 | 9.922  | 9.897  | 9.947  | VV | 493        | 10123  | 0.45%  | 0.035% |
| 129 | 9.996  | 9.947  | 10.058 | VV | 313        | 13904  | 0.62%  | 0.047% |
| 130 | 10.067 | 10.058 | 10.102 | VV | 192        | 2703   | 0.12%  | 0.009% |
| 131 | 10.108 | 10.102 | 10.147 | VV | 139        | 1746   | 0.08%  | 0.006% |
| 132 | 10.200 | 10.147 | 10.222 | VV | 312        | 6807   | 0.30%  | 0.023% |
| 133 | 10.272 | 10.222 | 10.318 | VV | 1332       | 30001  | 1.33%  | 0.102% |
| 134 | 10.345 | 10.318 | 10.437 | VV | 745        | 16156  | 0.72%  | 0.055% |
| 135 | 10.453 | 10.437 | 10.462 | PV | 141        | 1096   | 0.05%  | 0.004% |
| 136 | 10.516 | 10.462 | 10.572 | VV | 750        | 20528  | 0.91%  | 0.070% |
| 137 | 10.603 | 10.572 | 10.631 | VV | 298        | 7959   | 0.35%  | 0.027% |
| 138 | 10.663 | 10.631 | 10.715 | VV | 449        | 12301  | 0.55%  | 0.042% |
| 139 | 10.723 | 10.715 | 10.761 | VV | 275        | 4038   | 0.18%  | 0.014% |
| 140 | 10.776 | 10.761 | 10.848 | PV | 133        | 4958   | 0.22%  | 0.017% |
| 141 | 10.899 | 10.848 | 10.924 | VV | 410        | 8407   | 0.37%  | 0.029% |

| rteres.txt |        |        |        |    |       |        |        |        |
|------------|--------|--------|--------|----|-------|--------|--------|--------|
| 142        | 10.972 | 10.924 | 11.003 | VV | 1314  | 21921  | 0.97%  | 0.075% |
| 143        | 11.062 | 11.003 | 11.142 | VV | 715   | 15385  | 0.68%  | 0.052% |
| 144        | 11.161 | 11.142 | 11.188 | PV | 188   | 2979   | 0.13%  | 0.010% |
| 145        | 11.203 | 11.188 | 11.228 | PV | 135   | 1182   | 0.05%  | 0.004% |
| 146        | 11.268 | 11.228 | 11.348 | PV | 47342 | 525262 | 23.28% | 1.792% |
| 147        | 11.360 | 11.348 | 11.368 | VV | 391   | 4129   | 0.18%  | 0.014% |
| 148        | 11.385 | 11.368 | 11.398 | VV | 507   | 7311   | 0.32%  | 0.025% |
| 149        | 11.416 | 11.398 | 11.431 | VV | 563   | 8535   | 0.38%  | 0.029% |
| 150        | 11.449 | 11.431 | 11.495 | VV | 441   | 9811   | 0.43%  | 0.033% |
| 151        | 11.515 | 11.495 | 11.552 | VV | 197   | 3065   | 0.14%  | 0.010% |
| 152        | 11.576 | 11.552 | 11.590 | PV | 100   | 1033   | 0.05%  | 0.004% |
| 153        | 11.638 | 11.590 | 11.665 | PV | 1352  | 19613  | 0.87%  | 0.067% |
| 154        | 11.715 | 11.665 | 11.725 | VV | 189   | 3532   | 0.16%  | 0.012% |
| 155        | 11.746 | 11.725 | 11.779 | VV | 124   | 2669   | 0.12%  | 0.009% |
| 156        | 11.842 | 11.779 | 11.852 | VV | 230   | 4970   | 0.22%  | 0.017% |
| 157        | 11.882 | 11.852 | 11.888 | VV | 231   | 4137   | 0.18%  | 0.014% |
| 158        | 11.919 | 11.888 | 11.957 | VV | 888   | 22523  | 1.00%  | 0.077% |
| 159        | 11.977 | 11.957 | 12.075 | VV | 695   | 32839  | 1.46%  | 0.112% |
| 160        | 12.097 | 12.075 | 12.128 | VV | 372   | 6695   | 0.30%  | 0.023% |
| 161        | 12.196 | 12.128 | 12.245 | VV | 552   | 22169  | 0.98%  | 0.076% |
| 162        | 12.273 | 12.245 | 12.289 | VV | 1498  | 21882  | 0.97%  | 0.075% |
| 163        | 12.312 | 12.289 | 12.369 | VV | 6247  | 100909 | 4.47%  | 0.344% |
| 164        | 12.389 | 12.369 | 12.467 | VV | 658   | 16579  | 0.73%  | 0.057% |
| 165        | 12.519 | 12.467 | 12.528 | VV | 231   | 4782   | 0.21%  | 0.016% |
| 166        | 12.539 | 12.528 | 12.545 | VV | 192   | 1840   | 0.08%  | 0.006% |
| 167        | 12.554 | 12.545 | 12.573 | VV | 259   | 2346   | 0.10%  | 0.008% |
| 168        | 12.604 | 12.573 | 12.655 | PV | 6370  | 95336  | 4.23%  | 0.325% |
| 169        | 12.668 | 12.655 | 12.682 | VV | 685   | 9326   | 0.41%  | 0.032% |
| 170        | 12.712 | 12.682 | 12.779 | VV | 31242 | 400764 | 17.76% | 1.367% |
| 171        | 12.793 | 12.779 | 12.845 | VV | 504   | 11879  | 0.53%  | 0.041% |
| 172        | 12.884 | 12.845 | 12.928 | VV | 1494  | 29220  | 1.30%  | 0.100% |
| 173        | 12.943 | 12.928 | 12.970 | VV | 405   | 7005   | 0.31%  | 0.024% |
| 174        | 13.035 | 12.984 | 13.049 | VV | 216   | 5005   | 0.22%  | 0.017% |
| 175        | 13.071 | 13.049 | 13.098 | PV | 339   | 5178   | 0.23%  | 0.018% |
| 176        | 13.119 | 13.098 | 13.148 | VV | 243   | 5458   | 0.24%  | 0.019% |
| 177        | 13.194 | 13.148 | 13.248 | VV | 524   | 23474  | 1.04%  | 0.080% |
| 178        | 13.263 | 13.248 | 13.292 | VV | 274   | 5184   | 0.23%  | 0.018% |
| 179        | 13.347 | 13.292 | 13.358 | VV | 418   | 13106  | 0.58%  | 0.045% |
| 180        | 13.376 | 13.358 | 13.405 | VV | 689   | 11216  | 0.50%  | 0.038% |
| 181        | 13.468 | 13.405 | 13.502 | VV | 1753  | 34409  | 1.52%  | 0.117% |
| 182        | 13.515 | 13.502 | 13.532 | VV | 285   | 3822   | 0.17%  | 0.013% |
| 183        | 13.559 | 13.532 | 13.582 | VV | 334   | 5836   | 0.26%  | 0.020% |
| 184        | 13.605 | 13.582 | 13.616 | VV | 265   | 3417   | 0.15%  | 0.012% |
| 185        | 13.702 | 13.616 | 13.722 | PV | 396   | 9541   | 0.42%  | 0.033% |
| 186        | 13.745 | 13.722 | 13.762 | VV | 194   | 3256   | 0.14%  | 0.011% |
| 187        | 13.847 | 13.762 | 13.863 | PV | 571   | 14487  | 0.64%  | 0.049% |
| 188        | 13.885 | 13.863 | 13.922 | VV | 449   | 11150  | 0.49%  | 0.038% |
| 189        | 13.948 | 13.922 | 13.990 | VV | 605   | 14833  | 0.66%  | 0.051% |
| 190        | 14.026 | 13.990 | 14.046 | VV | 1356  | 21446  | 0.95%  | 0.073% |
| 191        | 14.055 | 14.046 | 14.072 | VV | 505   | 6304   | 0.28%  | 0.022% |
| 192        | 14.114 | 14.072 | 14.136 | VV | 1159  | 22057  | 0.98%  | 0.075% |
| 193        | 14.167 | 14.136 | 14.212 | VV | 1096  | 29664  | 1.31%  | 0.101% |
| 194        | 14.233 | 14.212 | 14.245 | VV | 688   | 9891   | 0.44%  | 0.034% |

|     |        |        |        |    |            |        |       |        |  |
|-----|--------|--------|--------|----|------------|--------|-------|--------|--|
|     |        |        |        |    | rteres.txt |        |       |        |  |
| 195 | 14.292 | 14.245 | 14.312 | VV | 850        | 24788  | 1.10% | 0.085% |  |
| 196 | 14.345 | 14.312 | 14.353 | VV | 531        | 10726  | 0.48% | 0.037% |  |
| 197 | 14.404 | 14.353 | 14.423 | VV | 569        | 18516  | 0.82% | 0.063% |  |
| 198 | 14.485 | 14.423 | 14.498 | VV | 2313       | 47533  | 2.11% | 0.162% |  |
| 199 | 14.521 | 14.498 | 14.543 | VV | 3969       | 74398  | 3.30% | 0.254% |  |
| 200 | 14.562 | 14.543 | 14.595 | VV | 2152       | 43432  | 1.92% | 0.148% |  |
| 201 | 14.609 | 14.595 | 14.622 | VV | 788        | 11655  | 0.52% | 0.040% |  |
| 202 | 14.636 | 14.622 | 14.661 | VV | 990        | 18531  | 0.82% | 0.063% |  |
| 203 | 14.672 | 14.661 | 14.691 | VV | 659        | 9756   | 0.43% | 0.033% |  |
| 204 | 14.709 | 14.691 | 14.738 | VV | 497        | 7418   | 0.33% | 0.025% |  |
| 205 | 14.819 | 14.738 | 14.831 | PV | 561        | 15371  | 0.68% | 0.052% |  |
| 206 | 14.844 | 14.831 | 14.859 | VV | 506        | 6524   | 0.29% | 0.022% |  |
| 207 | 14.867 | 14.859 | 14.888 | VV | 358        | 4233   | 0.19% | 0.014% |  |
| 208 | 14.957 | 14.888 | 15.004 | PV | 1078       | 35258  | 1.56% | 0.120% |  |
| 209 | 15.026 | 15.004 | 15.038 | VV | 273        | 3111   | 0.14% | 0.011% |  |
| 210 | 15.084 | 15.038 | 15.108 | PV | 1684       | 26723  | 1.18% | 0.091% |  |
| 211 | 15.165 | 15.108 | 15.199 | VV | 605        | 23798  | 1.05% | 0.081% |  |
| 212 | 15.215 | 15.199 | 15.224 | VV | 284        | 3366   | 0.15% | 0.011% |  |
| 213 | 15.309 | 15.224 | 15.326 | VV | 745        | 26154  | 1.16% | 0.089% |  |
| 214 | 15.350 | 15.326 | 15.358 | VV | 546        | 8502   | 0.38% | 0.029% |  |
| 215 | 15.395 | 15.358 | 15.415 | VV | 757        | 19333  | 0.86% | 0.066% |  |
| 216 | 15.436 | 15.415 | 15.449 | VV | 801        | 11567  | 0.51% | 0.039% |  |
| 217 | 15.487 | 15.449 | 15.501 | VV | 823        | 20297  | 0.90% | 0.069% |  |
| 218 | 15.513 | 15.501 | 15.532 | VV | 773        | 11950  | 0.53% | 0.041% |  |
| 219 | 15.580 | 15.532 | 15.655 | VV | 2520       | 71486  | 3.17% | 0.244% |  |
| 220 | 15.662 | 15.655 | 15.671 | VV | 501        | 4114   | 0.18% | 0.014% |  |
| 221 | 15.753 | 15.671 | 15.778 | VV | 895        | 30884  | 1.37% | 0.105% |  |
| 222 | 15.792 | 15.778 | 15.808 | VV | 414        | 5280   | 0.23% | 0.018% |  |
| 223 | 15.835 | 15.808 | 15.850 | VV | 869        | 14224  | 0.63% | 0.049% |  |
| 224 | 15.894 | 15.850 | 15.919 | VV | 518        | 14100  | 0.62% | 0.048% |  |
| 225 | 15.941 | 15.919 | 15.978 | VV | 610        | 9784   | 0.43% | 0.033% |  |
| 226 | 16.030 | 15.978 | 16.046 | PV | 5492       | 82545  | 3.66% | 0.282% |  |
| 227 | 16.062 | 16.046 | 16.099 | VV | 3401       | 59350  | 2.63% | 0.202% |  |
| 228 | 16.132 | 16.099 | 16.143 | VV | 787        | 12286  | 0.54% | 0.042% |  |
| 229 | 16.165 | 16.143 | 16.182 | VV | 837        | 14354  | 0.64% | 0.049% |  |
| 230 | 16.309 | 16.182 | 16.322 | VV | 868        | 39021  | 1.73% | 0.133% |  |
| 231 | 16.350 | 16.322 | 16.384 | VV | 3939       | 70760  | 3.14% | 0.241% |  |
| 232 | 16.414 | 16.384 | 16.439 | VV | 3154       | 64047  | 2.84% | 0.219% |  |
| 233 | 16.449 | 16.439 | 16.462 | VV | 1264       | 16666  | 0.74% | 0.057% |  |
| 234 | 16.473 | 16.462 | 16.488 | VV | 1544       | 20521  | 0.91% | 0.070% |  |
| 235 | 16.523 | 16.488 | 16.576 | VV | 4983       | 128322 | 5.69% | 0.438% |  |
| 236 | 16.596 | 16.576 | 16.618 | VV | 1480       | 22594  | 1.00% | 0.077% |  |
| 237 | 16.647 | 16.618 | 16.660 | VV | 707        | 12394  | 0.55% | 0.042% |  |
| 238 | 16.729 | 16.660 | 16.739 | VV | 1203       | 29559  | 1.31% | 0.101% |  |
| 239 | 16.747 | 16.739 | 16.768 | VV | 666        | 7118   | 0.32% | 0.024% |  |
| 240 | 16.809 | 16.768 | 16.835 | VV | 1279       | 20103  | 0.89% | 0.069% |  |
| 241 | 16.895 | 16.835 | 16.915 | PV | 2269       | 43731  | 1.94% | 0.149% |  |
| 242 | 16.937 | 16.915 | 16.947 | VV | 934        | 12558  | 0.56% | 0.043% |  |
| 243 | 16.975 | 16.947 | 17.000 | VV | 4294       | 73400  | 3.25% | 0.250% |  |
| 244 | 17.073 | 17.000 | 17.096 | VV | 2657       | 98168  | 4.35% | 0.335% |  |
| 245 | 17.122 | 17.096 | 17.138 | VV | 2376       | 46600  | 2.07% | 0.159% |  |
| 246 | 17.186 | 17.138 | 17.198 | VV | 1800       | 58171  | 2.58% | 0.198% |  |

|     |        |        |        |                         |            |          |         |        |
|-----|--------|--------|--------|-------------------------|------------|----------|---------|--------|
|     |        |        |        |                         | rteres.txt |          |         |        |
| 247 | 17.213 | 17.198 | 17.221 | VV                      | 1868       | 22849    | 1.01%   | 0.078% |
| 248 | 17.288 | 17.221 | 17.315 | VV                      | 1835       | 79663    | 3.53%   | 0.272% |
| 249 | 17.411 | 17.315 | 17.444 | VV                      | 5072       | 167852   | 7.44%   | 0.573% |
| 250 | 17.515 | 17.444 | 17.529 | PV                      | 5105       | 114644   | 5.08%   | 0.391% |
| 251 | 17.547 | 17.529 | 17.557 | VV                      | 4119       | 59891    | 2.65%   | 0.204% |
| 252 | 17.574 | 17.557 | 17.598 | VV                      | 3526       | 74741    | 3.31%   | 0.255% |
| 253 | 17.621 | 17.598 | 17.645 | VV                      | 2848       | 66393    | 2.94%   | 0.227% |
| 254 | 17.708 | 17.645 | 17.760 | VV                      | 4324       | 201779   | 8.94%   | 0.688% |
| 255 | 17.784 | 17.760 | 17.808 | VV                      | 4289       | 81975    | 3.63%   | 0.280% |
| 256 | 17.831 | 17.808 | 17.862 | VV                      | 5966       | 116166   | 5.15%   | 0.396% |
| 257 | 17.881 | 17.862 | 17.902 | VV                      | 3554       | 57470    | 2.55%   | 0.196% |
| 258 | 17.964 | 17.902 | 17.988 | VV                      | 2492       | 72036    | 3.19%   | 0.246% |
| 259 | 18.032 | 17.988 | 18.067 | PV                      | 3531       | 91284    | 4.05%   | 0.311% |
| 260 | 18.100 | 18.067 | 18.118 | VV                      | 1908       | 52223    | 2.31%   | 0.178% |
| 261 | 18.140 | 18.118 | 18.150 | VV                      | 2396       | 31613    | 1.40%   | 0.108% |
| 262 | 18.196 | 18.150 | 18.205 | VV                      | 2524       | 62811    | 2.78%   | 0.214% |
| 263 | 18.239 | 18.205 | 18.275 | VV                      | 6061       | 147053   | 6.52%   | 0.502% |
| 264 | 18.304 | 18.275 | 18.332 | VV                      | 4995       | 132506   | 5.87%   | 0.452% |
| 265 | 18.356 | 18.332 | 18.372 | VV                      | 6392       | 125759   | 5.57%   | 0.429% |
| 266 | 18.383 | 18.372 | 18.407 | VV                      | 5836       | 106517   | 4.72%   | 0.363% |
| 267 | 18.469 | 18.407 | 18.502 | VV                      | 5789       | 256097   | 11.35%  | 0.874% |
| 268 | 18.547 | 18.502 | 18.558 | VV                      | 5781       | 154743   | 6.86%   | 0.528% |
| 269 | 18.581 | 18.558 | 18.598 | VV                      | 5527       | 107844   | 4.78%   | 0.368% |
| 270 | 18.635 | 18.598 | 18.673 | VV                      | 9444       | 242368   | 10.74%  | 0.827% |
| 271 | 18.739 | 18.673 | 18.752 | VV                      | 7880       | 256402   | 11.36%  | 0.875% |
| 272 | 18.810 | 18.752 | 18.845 | VV                      | 10671      | 463240   | 20.53%  | 1.580% |
| 273 | 18.871 | 18.845 | 18.917 | VV                      | 8644       | 310599   | 13.77%  | 1.060% |
| 274 | 18.928 | 18.917 | 18.936 | VV                      | 6679       | 70256    | 3.11%   | 0.240% |
| 275 | 18.964 | 18.936 | 18.978 | VV                      | 8286       | 191018   | 8.47%   | 0.652% |
| 276 | 19.023 | 18.978 | 19.057 | VV                      | 16809      | 550758   | 24.41%  | 1.879% |
| 277 | 19.078 | 19.057 | 19.094 | VV                      | 12251      | 235284   | 10.43%  | 0.803% |
| 278 | 19.105 | 19.094 | 19.112 | VV                      | 10645      | 105441   | 4.67%   | 0.360% |
| 279 | 19.132 | 19.112 | 19.154 | VV                      | 14726      | 299139   | 13.26%  | 1.021% |
| 280 | 19.194 | 19.154 | 19.241 | VV                      | 13921      | 602465   | 26.70%  | 2.055% |
| 281 | 19.276 | 19.241 | 19.287 | VV                      | 13051      | 335865   | 14.89%  | 1.146% |
| 282 | 19.399 | 19.287 | 19.430 | VV                      | 21026      | 1515343  | 67.16%  | 5.170% |
| 283 | 19.512 | 19.430 | 19.531 | VV                      | 20792      | 1128268  | 50.00%  | 3.849% |
| 284 | 19.563 | 19.531 | 19.576 | VV                      | 23477      | 563985   | 25.00%  | 1.924% |
| 285 | 19.596 | 19.576 | 19.609 | VV                      | 24315      | 459879   | 20.38%  | 1.569% |
| 286 | 19.644 | 19.609 | 19.670 | VV                      | 27941      | 954397   | 42.30%  | 3.256% |
| 287 | 19.708 | 19.670 | 19.729 | VV                      | 32448      | 1055099  | 46.76%  | 3.600% |
| 288 | 19.755 | 19.729 | 19.780 | VV                      | 30516      | 852562   | 37.78%  | 2.909% |
| 289 | 19.794 | 19.780 | 19.813 | VV                      | 25302      | 477619   | 21.17%  | 1.630% |
| 290 | 19.822 | 19.813 | 19.838 | VV                      | 24380      | 345141   | 15.30%  | 1.178% |
| 291 | 19.938 | 19.838 | 19.952 | VV                      | 37934      | 2185897  | 96.88%  | 7.458% |
| 292 | 19.968 | 19.952 | 20.012 | VV                      | 40743      | 1380345  | 61.18%  | 4.709% |
| 293 | 20.025 | 20.012 | 20.052 | VV                      | 38310      | 822524   | 36.45%  | 2.806% |
| 294 | 20.070 | 20.052 | 20.079 | VV                      | 32058      | 501601   | 22.23%  | 1.711% |
| 295 | 20.123 | 20.079 | 20.145 | VV                      | 41443      | 1455435  | 64.50%  | 4.966% |
| 296 | 20.159 | 20.145 | 20.173 | VV                      | 34749      | 559268   | 24.79%  | 1.908% |
| 297 | 20.247 | 20.173 | 20.272 | VV                      | 42578      | 2256387  | 100.00% | 7.698% |
| 298 | 20.306 | 20.272 | 20.316 | VV                      | 39856      | 1014069  | 44.94%  | 3.460% |
|     |        |        |        | Sum of corrected areas: |            | 29310114 |         |        |

rteres.txt

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