

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC110218AL\  
 Data File : FC037318.D  
 Signal(s) : FID1A.CH  
 Acq On : 03 Nov 2018 19:36  
 Sample : J5769-05  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 103018.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         | 3.273       | 3.209        | 3.286      | BV       | 375            | 3129         | 0.16%          | 0.010%        |
| 2         | 3.298       | 3.286        | 3.314      | VV       | 461            | 3645         | 0.19%          | 0.012%        |
| 3         | 3.350       | 3.314        | 3.393      | PV       | 311            | 8908         | 0.45%          | 0.029%        |
| 4         | 3.415       | 3.393        | 3.466      | PV       | 852            | 12127        | 0.62%          | 0.040%        |
| 5         | 3.480       | 3.466        | 3.501      | VV       | 330            | 4287         | 0.22%          | 0.014%        |
| 6         | 3.525       | 3.501        | 3.566      | VV       | 833            | 13230        | 0.67%          | 0.043%        |
| 7         | 3.595       | 3.566        | 3.626      | VV       | 779            | 11796        | 0.60%          | 0.039%        |
| 8         | 3.642       | 3.626        | 3.671      | VV       | 297            | 4580         | 0.23%          | 0.015%        |
| 9         | 3.684       | 3.671        | 3.701      | VV       | 517            | 4991         | 0.25%          | 0.016%        |
| 10        | 3.735       | 3.701        | 3.777      | VV       | 517            | 11418        | 0.58%          | 0.037%        |
| 11        | 3.816       | 3.777        | 3.830      | VV       | 508            | 9597         | 0.49%          | 0.031%        |
| 12        | 3.846       | 3.830        | 3.862      | VV       | 632            | 8018         | 0.41%          | 0.026%        |
| 13        | 3.874       | 3.862        | 3.895      | VV       | 379            | 5641         | 0.29%          | 0.018%        |
| 14        | 3.909       | 3.895        | 3.937      | VV       | 466            | 6576         | 0.33%          | 0.022%        |
| 15        | 3.992       | 3.937        | 4.002      | VV       | 291            | 7380         | 0.38%          | 0.024%        |
| 16        | 4.017       | 4.002        | 4.037      | VV       | 527            | 6303         | 0.32%          | 0.021%        |
| 17        | 4.059       | 4.037        | 4.099      | VV       | 607            | 7327         | 0.37%          | 0.024%        |
| 18        | 4.137       | 4.099        | 4.187      | VV       | 1387           | 24190        | 1.23%          | 0.079%        |
| 19        | 4.215       | 4.187        | 4.264      | VV       | 1985           | 28022        | 1.43%          | 0.092%        |
| 20        | 4.287       | 4.264        | 4.307      | VV       | 315            | 6251         | 0.32%          | 0.020%        |
| 21        | 4.327       | 4.307        | 4.354      | VV       | 560            | 10348        | 0.53%          | 0.034%        |
| 22        | 4.372       | 4.354        | 4.392      | VV       | 749            | 11418        | 0.58%          | 0.037%        |
| 23        | 4.405       | 4.392        | 4.422      | VV       | 485            | 7533         | 0.38%          | 0.025%        |
| 24        | 4.430       | 4.422        | 4.450      | VV       | 415            | 5367         | 0.27%          | 0.018%        |
| 25        | 4.467       | 4.450        | 4.504      | VV       | 1302           | 20091        | 1.02%          | 0.066%        |
| 26        | 4.514       | 4.504        | 4.560      | VV       | 424            | 7881         | 0.40%          | 0.026%        |
| 27        | 4.586       | 4.560        | 4.606      | VV       | 238            | 5352         | 0.27%          | 0.018%        |
| 28        | 4.613       | 4.606        | 4.653      | VV       | 261            | 5475         | 0.28%          | 0.018%        |
| 29        | 4.674       | 4.653        | 4.712      | VV       | 599            | 8779         | 0.45%          | 0.029%        |
| 30        | 4.730       | 4.712        | 4.747      | VV       | 217            | 2290         | 0.12%          | 0.007%        |
| 31        | 4.756       | 4.747        | 4.786      | VV       | 143            | 2173         | 0.11%          | 0.007%        |
| 32        | 4.818       | 4.786        | 4.826      | VV       | 215            | 3232         | 0.16%          | 0.011%        |
| 33        | 4.848       | 4.826        | 4.871      | VV       | 500            | 7302         | 0.37%          | 0.024%        |
| 34        | 4.892       | 4.871        | 4.934      | VV       | 677            | 12027        | 0.61%          | 0.039%        |
| 35        | 4.949       | 4.934        | 4.990      | VV       | 408            | 5684         | 0.29%          | 0.019%        |
| 36        | 5.035       | 4.990        | 5.055      | VV       | 552            | 8514         | 0.43%          | 0.028%        |

| rteres.txt |       |       |       |    |      |       |       |        |
|------------|-------|-------|-------|----|------|-------|-------|--------|
| 37         | 5.076 | 5.055 | 5.111 | VV | 559  | 9496  | 0.48% | 0.031% |
| 38         | 5.126 | 5.111 | 5.147 | VV | 289  | 3303  | 0.17% | 0.011% |
| 39         | 5.160 | 5.147 | 5.177 | VV | 240  | 2514  | 0.13% | 0.008% |
| 40         | 5.215 | 5.177 | 5.229 | VV | 288  | 4936  | 0.25% | 0.016% |
|            |       |       |       |    |      |       |       |        |
| 41         | 5.247 | 5.229 | 5.276 | VV | 2306 | 28456 | 1.45% | 0.093% |
| 42         | 5.288 | 5.276 | 5.309 | VV | 312  | 3623  | 0.18% | 0.012% |
| 43         | 5.338 | 5.309 | 5.394 | VV | 270  | 7096  | 0.36% | 0.023% |
| 44         | 5.421 | 5.394 | 5.453 | VV | 464  | 10068 | 0.51% | 0.033% |
| 45         | 5.467 | 5.453 | 5.509 | VV | 228  | 5120  | 0.26% | 0.017% |
|            |       |       |       |    |      |       |       |        |
| 46         | 5.535 | 5.509 | 5.576 | VV | 556  | 8169  | 0.42% | 0.027% |
| 47         | 5.592 | 5.576 | 5.617 | VV | 199  | 2870  | 0.15% | 0.009% |
| 48         | 5.634 | 5.617 | 5.656 | PV | 303  | 3396  | 0.17% | 0.011% |
| 49         | 5.703 | 5.665 | 5.726 | VV | 437  | 6136  | 0.31% | 0.020% |
| 50         | 5.750 | 5.726 | 5.779 | VV | 334  | 7008  | 0.36% | 0.023% |
|            |       |       |       |    |      |       |       |        |
| 51         | 5.794 | 5.779 | 5.826 | VV | 400  | 7187  | 0.37% | 0.024% |
| 52         | 5.840 | 5.826 | 5.857 | VV | 359  | 4697  | 0.24% | 0.015% |
| 53         | 5.882 | 5.857 | 5.909 | VV | 888  | 13957 | 0.71% | 0.046% |
| 54         | 5.944 | 5.909 | 6.007 | VV | 806  | 20415 | 1.04% | 0.067% |
| 55         | 6.021 | 6.007 | 6.041 | VV | 238  | 3374  | 0.17% | 0.011% |
|            |       |       |       |    |      |       |       |        |
| 56         | 6.062 | 6.041 | 6.080 | VV | 216  | 3256  | 0.17% | 0.011% |
| 57         | 6.116 | 6.080 | 6.172 | VV | 623  | 16173 | 0.82% | 0.053% |
| 58         | 6.180 | 6.172 | 6.197 | VV | 233  | 2486  | 0.13% | 0.008% |
| 59         | 6.222 | 6.197 | 6.289 | VV | 9085 | 99711 | 5.07% | 0.326% |
| 60         | 6.295 | 6.289 | 6.334 | VV | 307  | 5050  | 0.26% | 0.017% |
|            |       |       |       |    |      |       |       |        |
| 61         | 6.370 | 6.334 | 6.390 | VV | 1324 | 17344 | 0.88% | 0.057% |
| 62         | 6.398 | 6.390 | 6.418 | VV | 255  | 3582  | 0.18% | 0.012% |
| 63         | 6.437 | 6.418 | 6.451 | VV | 143  | 2238  | 0.11% | 0.007% |
| 64         | 6.473 | 6.451 | 6.513 | VV | 211  | 5029  | 0.26% | 0.016% |
| 65         | 6.538 | 6.513 | 6.557 | PV | 493  | 5146  | 0.26% | 0.017% |
|            |       |       |       |    |      |       |       |        |
| 66         | 6.596 | 6.557 | 6.632 | VV | 267  | 7067  | 0.36% | 0.023% |
| 67         | 6.668 | 6.632 | 6.688 | PV | 535  | 7006  | 0.36% | 0.023% |
| 68         | 6.735 | 6.688 | 6.754 | VV | 556  | 10429 | 0.53% | 0.034% |
| 69         | 6.776 | 6.754 | 6.802 | VV | 367  | 6512  | 0.33% | 0.021% |
| 70         | 6.822 | 6.802 | 6.839 | VV | 688  | 8028  | 0.41% | 0.026% |
|            |       |       |       |    |      |       |       |        |
| 71         | 6.848 | 6.839 | 6.863 | VV | 265  | 3176  | 0.16% | 0.010% |
| 72         | 6.877 | 6.863 | 6.892 | VV | 341  | 3645  | 0.19% | 0.012% |
| 73         | 6.920 | 6.892 | 6.956 | VV | 2205 | 25601 | 1.30% | 0.084% |
| 74         | 7.000 | 6.956 | 7.049 | VV | 376  | 11003 | 0.56% | 0.036% |
| 75         | 7.082 | 7.049 | 7.110 | VV | 460  | 7698  | 0.39% | 0.025% |
|            |       |       |       |    |      |       |       |        |
| 76         | 7.141 | 7.110 | 7.183 | VV | 2403 | 30682 | 1.56% | 0.100% |
| 77         | 7.205 | 7.183 | 7.236 | VV | 711  | 10266 | 0.52% | 0.034% |
| 78         | 7.281 | 7.236 | 7.334 | VV | 1024 | 20006 | 1.02% | 0.065% |
| 79         | 7.355 | 7.334 | 7.377 | VV | 670  | 8337  | 0.42% | 0.027% |
| 80         | 7.411 | 7.377 | 7.427 | VV | 425  | 7369  | 0.37% | 0.024% |
|            |       |       |       |    |      |       |       |        |
| 81         | 7.471 | 7.427 | 7.487 | VV | 513  | 11496 | 0.58% | 0.038% |
| 82         | 7.557 | 7.487 | 7.596 | VV | 1687 | 57354 | 2.92% | 0.188% |
| 83         | 7.609 | 7.596 | 7.649 | VV | 538  | 10058 | 0.51% | 0.033% |
| 84         | 7.657 | 7.649 | 7.671 | VV | 208  | 2751  | 0.14% | 0.009% |
| 85         | 7.703 | 7.671 | 7.724 | VV | 767  | 12634 | 0.64% | 0.041% |
|            |       |       |       |    |      |       |       |        |
| 86         | 7.731 | 7.724 | 7.742 | VV | 322  | 2967  | 0.15% | 0.010% |
| 87         | 7.759 | 7.742 | 7.784 | VV | 1520 | 17391 | 0.88% | 0.057% |
| 88         | 7.827 | 7.784 | 7.846 | VV | 1225 | 15863 | 0.81% | 0.052% |
| 89         | 7.859 | 7.846 | 7.881 | VV | 492  | 6687  | 0.34% | 0.022% |

|     |        |        |        |    |            |       |       |        |
|-----|--------|--------|--------|----|------------|-------|-------|--------|
|     |        |        |        |    | rteres.txt |       |       |        |
| 90  | 7.913  | 7.881  | 7.931  | VV | 635        | 11525 | 0.59% | 0.038% |
| 91  | 7.968  | 7.931  | 7.977  | VV | 509        | 9765  | 0.50% | 0.032% |
| 92  | 8.005  | 7.977  | 8.044  | VV | 4375       | 56490 | 2.87% | 0.185% |
| 93  | 8.050  | 8.044  | 8.081  | VV | 437        | 5335  | 0.27% | 0.017% |
| 94  | 8.109  | 8.081  | 8.127  | VV | 295        | 5466  | 0.28% | 0.018% |
| 95  | 8.149  | 8.127  | 8.225  | VV | 849        | 16675 | 0.85% | 0.055% |
| 96  | 8.245  | 8.225  | 8.269  | VV | 244        | 4130  | 0.21% | 0.014% |
| 97  | 8.283  | 8.269  | 8.291  | VV | 131        | 1273  | 0.06% | 0.004% |
| 98  | 8.302  | 8.291  | 8.319  | VV | 200        | 1552  | 0.08% | 0.005% |
| 99  | 8.370  | 8.319  | 8.401  | PV | 423        | 10549 | 0.54% | 0.035% |
| 100 | 8.444  | 8.401  | 8.462  | VV | 563        | 10169 | 0.52% | 0.033% |
| 101 | 8.480  | 8.462  | 8.492  | VV | 392        | 5509  | 0.28% | 0.018% |
| 102 | 8.506  | 8.492  | 8.517  | VV | 507        | 6160  | 0.31% | 0.020% |
| 103 | 8.538  | 8.517  | 8.574  | VV | 2435       | 31592 | 1.61% | 0.103% |
| 104 | 8.590  | 8.574  | 8.655  | VV | 377        | 11126 | 0.57% | 0.036% |
| 105 | 8.719  | 8.655  | 8.772  | VV | 762        | 27712 | 1.41% | 0.091% |
| 106 | 8.823  | 8.772  | 8.928  | VV | 2927       | 58414 | 2.97% | 0.191% |
| 107 | 9.011  | 8.928  | 9.071  | VV | 2404       | 57491 | 2.92% | 0.188% |
| 108 | 9.079  | 9.071  | 9.092  | VV | 245        | 2344  | 0.12% | 0.008% |
| 109 | 9.112  | 9.092  | 9.147  | VV | 677        | 10234 | 0.52% | 0.034% |
| 110 | 9.189  | 9.147  | 9.226  | VV | 1126       | 23177 | 1.18% | 0.076% |
| 111 | 9.254  | 9.226  | 9.302  | VV | 562        | 14632 | 0.74% | 0.048% |
| 112 | 9.329  | 9.302  | 9.359  | VV | 520        | 11439 | 0.58% | 0.037% |
| 113 | 9.377  | 9.359  | 9.422  | VV | 650        | 9904  | 0.50% | 0.032% |
| 114 | 9.434  | 9.422  | 9.454  | VV | 164        | 2121  | 0.11% | 0.007% |
| 115 | 9.471  | 9.454  | 9.492  | VV | 258        | 3180  | 0.16% | 0.010% |
| 116 | 9.516  | 9.492  | 9.532  | VV | 445        | 6739  | 0.34% | 0.022% |
| 117 | 9.545  | 9.532  | 9.565  | VV | 369        | 5249  | 0.27% | 0.017% |
| 118 | 9.596  | 9.565  | 9.655  | VV | 3070       | 43137 | 2.19% | 0.141% |
| 119 | 9.669  | 9.655  | 9.690  | VV | 246        | 4374  | 0.22% | 0.014% |
| 120 | 9.696  | 9.690  | 9.749  | VV | 227        | 4512  | 0.23% | 0.015% |
| 121 | 9.774  | 9.749  | 9.799  | VV | 233        | 2887  | 0.15% | 0.009% |
| 122 | 9.810  | 9.799  | 9.856  | VV | 168        | 2673  | 0.14% | 0.009% |
| 123 | 9.872  | 9.856  | 9.926  | PV | 175        | 1773  | 0.09% | 0.006% |
| 124 | 9.981  | 9.926  | 10.019 | VV | 1421       | 28331 | 1.44% | 0.093% |
| 125 | 10.034 | 10.019 | 10.059 | VV | 262        | 4671  | 0.24% | 0.015% |
| 126 | 10.070 | 10.059 | 10.111 | VV | 422        | 7444  | 0.38% | 0.024% |
| 127 | 10.125 | 10.111 | 10.187 | VV | 338        | 8045  | 0.41% | 0.026% |
| 128 | 10.205 | 10.187 | 10.237 | VV | 259        | 5135  | 0.26% | 0.017% |
| 129 | 10.263 | 10.237 | 10.286 | VV | 504        | 11239 | 0.57% | 0.037% |
| 130 | 10.330 | 10.286 | 10.362 | VV | 3130       | 57925 | 2.95% | 0.190% |
| 131 | 10.403 | 10.362 | 10.496 | VV | 3775       | 72743 | 3.70% | 0.238% |
| 132 | 10.509 | 10.496 | 10.526 | VV | 314        | 3640  | 0.19% | 0.012% |
| 133 | 10.548 | 10.526 | 10.569 | VV | 315        | 5288  | 0.27% | 0.017% |
| 134 | 10.585 | 10.569 | 10.611 | VV | 276        | 4965  | 0.25% | 0.016% |
| 135 | 10.616 | 10.611 | 10.624 | VV | 198        | 1196  | 0.06% | 0.004% |
| 136 | 10.645 | 10.624 | 10.664 | VV | 326        | 6382  | 0.32% | 0.021% |
| 137 | 10.672 | 10.664 | 10.687 | VV | 333        | 3951  | 0.20% | 0.013% |
| 138 | 10.713 | 10.687 | 10.738 | VV | 647        | 13133 | 0.67% | 0.043% |
| 139 | 10.761 | 10.738 | 10.774 | VV | 425        | 7253  | 0.37% | 0.024% |
| 140 | 10.780 | 10.774 | 10.817 | VV | 343        | 6687  | 0.34% | 0.022% |
| 141 | 10.835 | 10.817 | 10.874 | VV | 538        | 10946 | 0.56% | 0.036% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 142        | 10.901 | 10.874 | 10.929 | VV | 378    | 8365    | 0.43%  | 0.027% |
| 143        | 10.959 | 10.929 | 10.981 | VV | 583    | 10285   | 0.52%  | 0.034% |
| 144        | 11.029 | 10.981 | 11.065 | VV | 2941   | 49558   | 2.52%  | 0.162% |
| 145        | 11.079 | 11.065 | 11.096 | VV | 368    | 6149    | 0.31%  | 0.020% |
|            |        |        |        |    |        |         |        |        |
| 146        | 11.119 | 11.096 | 11.166 | VV | 1203   | 20215   | 1.03%  | 0.066% |
| 147        | 11.174 | 11.166 | 11.227 | VV | 168    | 3235    | 0.16%  | 0.011% |
| 148        | 11.237 | 11.227 | 11.254 | VV | 103    | 1338    | 0.07%  | 0.004% |
| 149        | 11.261 | 11.254 | 11.281 | VV | 173    | 1631    | 0.08%  | 0.005% |
| 150        | 11.316 | 11.281 | 11.366 | PV | 383    | 10009   | 0.51%  | 0.033% |
|            |        |        |        |    |        |         |        |        |
| 151        | 11.380 | 11.366 | 11.390 | VV | 172    | 2287    | 0.12%  | 0.007% |
| 152        | 11.444 | 11.390 | 11.492 | VV | 586    | 21022   | 1.07%  | 0.069% |
| 153        | 11.508 | 11.492 | 11.521 | VV | 305    | 3741    | 0.19%  | 0.012% |
| 154        | 11.532 | 11.521 | 11.559 | VV | 223    | 3664    | 0.19%  | 0.012% |
| 155        | 11.637 | 11.559 | 11.657 | VV | 362    | 13281   | 0.68%  | 0.043% |
|            |        |        |        |    |        |         |        |        |
| 156        | 11.696 | 11.657 | 11.762 | VV | 2725   | 51124   | 2.60%  | 0.167% |
| 157        | 11.797 | 11.762 | 11.822 | VV | 358    | 9416    | 0.48%  | 0.031% |
| 158        | 11.837 | 11.822 | 11.871 | VV | 281    | 5074    | 0.26%  | 0.017% |
| 159        | 11.911 | 11.871 | 11.939 | PV | 536    | 7814    | 0.40%  | 0.026% |
| 160        | 12.000 | 11.939 | 12.026 | VV | 443    | 15051   | 0.77%  | 0.049% |
|            |        |        |        |    |        |         |        |        |
| 161        | 12.036 | 12.026 | 12.049 | VV | 333    | 3580    | 0.18%  | 0.012% |
| 162        | 12.071 | 12.049 | 12.126 | VV | 452    | 15435   | 0.79%  | 0.051% |
| 163        | 12.145 | 12.126 | 12.209 | VV | 369    | 15541   | 0.79%  | 0.051% |
| 164        | 12.256 | 12.209 | 12.291 | VV | 487    | 14692   | 0.75%  | 0.048% |
| 165        | 12.333 | 12.291 | 12.382 | VV | 2890   | 47120   | 2.40%  | 0.154% |
|            |        |        |        |    |        |         |        |        |
| 166        | 12.405 | 12.382 | 12.421 | VV | 328    | 5280    | 0.27%  | 0.017% |
| 167        | 12.458 | 12.421 | 12.516 | VV | 663    | 15689   | 0.80%  | 0.051% |
| 168        | 12.590 | 12.516 | 12.600 | PV | 391    | 7630    | 0.39%  | 0.025% |
| 169        | 12.606 | 12.600 | 12.619 | VV | 301    | 2743    | 0.14%  | 0.009% |
| 170        | 12.626 | 12.619 | 12.662 | VV | 275    | 3706    | 0.19%  | 0.012% |
|            |        |        |        |    |        |         |        |        |
| 171        | 12.695 | 12.662 | 12.711 | PV | 245    | 4603    | 0.23%  | 0.015% |
| 172        | 12.724 | 12.711 | 12.737 | VV | 295    | 3893    | 0.20%  | 0.013% |
| 173        | 12.772 | 12.737 | 12.884 | VV | 117136 | 1522793 | 77.46% | 4.985% |
| 174        | 12.886 | 12.884 | 12.912 | VV | 493    | 6376    | 0.32%  | 0.021% |
| 175        | 12.941 | 12.912 | 12.980 | VV | 2778   | 44657   | 2.27%  | 0.146% |
|            |        |        |        |    |        |         |        |        |
| 176        | 12.996 | 12.980 | 13.027 | VV | 380    | 8489    | 0.43%  | 0.028% |
| 177        | 13.041 | 13.027 | 13.052 | VV | 219    | 2318    | 0.12%  | 0.008% |
| 178        | 13.072 | 13.052 | 13.114 | VV | 214    | 4875    | 0.25%  | 0.016% |
| 179        | 13.174 | 13.114 | 13.190 | PV | 298    | 7729    | 0.39%  | 0.025% |
| 180        | 13.220 | 13.190 | 13.252 | VV | 277    | 7852    | 0.40%  | 0.026% |
|            |        |        |        |    |        |         |        |        |
| 181        | 13.261 | 13.252 | 13.272 | VV | 173    | 1638    | 0.08%  | 0.005% |
| 182        | 13.294 | 13.272 | 13.306 | PV | 245    | 2973    | 0.15%  | 0.010% |
| 183        | 13.348 | 13.306 | 13.371 | VV | 1201   | 22446   | 1.14%  | 0.073% |
| 184        | 13.391 | 13.371 | 13.434 | VV | 599    | 14561   | 0.74%  | 0.048% |
| 185        | 13.458 | 13.434 | 13.492 | VV | 314    | 8182    | 0.42%  | 0.027% |
|            |        |        |        |    |        |         |        |        |
| 186        | 13.525 | 13.492 | 13.589 | VV | 2866   | 46833   | 2.38%  | 0.153% |
| 187        | 13.623 | 13.589 | 13.634 | VV | 227    | 4978    | 0.25%  | 0.016% |
| 188        | 13.644 | 13.634 | 13.652 | VV | 241    | 1781    | 0.09%  | 0.006% |
| 189        | 13.673 | 13.652 | 13.704 | VV | 357    | 5585    | 0.28%  | 0.018% |
| 190        | 13.745 | 13.704 | 13.761 | PV | 373    | 8114    | 0.41%  | 0.027% |
|            |        |        |        |    |        |         |        |        |
| 191        | 13.818 | 13.761 | 13.834 | VV | 426    | 12335   | 0.63%  | 0.040% |
| 192        | 13.886 | 13.834 | 13.905 | VV | 415    | 11767   | 0.60%  | 0.039% |
| 193        | 13.956 | 13.905 | 13.991 | VV | 602    | 19544   | 0.99%  | 0.064% |
| 194        | 14.012 | 13.991 | 14.024 | VV | 266    | 4018    | 0.20%  | 0.013% |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 195 | 14.034 | 14.024 | 14.053 | VV | 233        | 2394   | 0.12%  | 0.008% |
| 196 | 14.086 | 14.053 | 14.139 | PV | 2645       | 41928  | 2.13%  | 0.137% |
| 197 | 14.153 | 14.139 | 14.196 | VV | 259        | 6855   | 0.35%  | 0.022% |
| 198 | 14.246 | 14.196 | 14.282 | VV | 620        | 14084  | 0.72%  | 0.046% |
| 199 | 14.321 | 14.282 | 14.340 | VV | 348        | 9360   | 0.48%  | 0.031% |
| 200 | 14.360 | 14.340 | 14.389 | VV | 266        | 5816   | 0.30%  | 0.019% |
| 201 | 14.405 | 14.389 | 14.415 | VV | 177        | 2404   | 0.12%  | 0.008% |
| 202 | 14.464 | 14.415 | 14.527 | VV | 1009       | 25995  | 1.32%  | 0.085% |
| 203 | 14.537 | 14.527 | 14.559 | VV | 188        | 2377   | 0.12%  | 0.008% |
| 204 | 14.586 | 14.559 | 14.599 | PV | 364        | 5100   | 0.26%  | 0.017% |
| 205 | 14.623 | 14.599 | 14.679 | VV | 3070       | 49333  | 2.51%  | 0.162% |
| 206 | 14.687 | 14.679 | 14.708 | VV | 199        | 2895   | 0.15%  | 0.009% |
| 207 | 14.728 | 14.708 | 14.753 | VV | 216        | 3529   | 0.18%  | 0.012% |
| 208 | 14.821 | 14.753 | 14.849 | VV | 306        | 7352   | 0.37%  | 0.024% |
| 209 | 14.859 | 14.849 | 14.877 | VV | 249        | 2604   | 0.13%  | 0.009% |
| 210 | 14.946 | 14.877 | 14.979 | VV | 214        | 6631   | 0.34%  | 0.022% |
| 211 | 15.040 | 14.979 | 15.078 | VV | 618        | 13346  | 0.68%  | 0.044% |
| 212 | 15.142 | 15.078 | 15.174 | PV | 3641       | 53519  | 2.72%  | 0.175% |
| 213 | 15.195 | 15.174 | 15.224 | VV | 310        | 4810   | 0.24%  | 0.016% |
| 214 | 15.242 | 15.224 | 15.261 | PV | 235        | 2804   | 0.14%  | 0.009% |
| 215 | 15.342 | 15.261 | 15.362 | VV | 327        | 10204  | 0.52%  | 0.033% |
| 216 | 15.374 | 15.362 | 15.389 | VV | 316        | 3534   | 0.18%  | 0.012% |
| 217 | 15.448 | 15.389 | 15.477 | VV | 701        | 23956  | 1.22%  | 0.078% |
| 218 | 15.514 | 15.477 | 15.532 | VV | 660        | 17191  | 0.87%  | 0.056% |
| 219 | 15.534 | 15.532 | 15.559 | VV | 553        | 6406   | 0.33%  | 0.021% |
| 220 | 15.598 | 15.559 | 15.612 | VV | 636        | 15114  | 0.77%  | 0.049% |
| 221 | 15.639 | 15.612 | 15.678 | VV | 4706       | 72530  | 3.69%  | 0.237% |
| 222 | 15.700 | 15.678 | 15.724 | VV | 365        | 6136   | 0.31%  | 0.020% |
| 223 | 15.741 | 15.724 | 15.748 | VV | 185        | 1726   | 0.09%  | 0.006% |
| 224 | 15.781 | 15.748 | 15.803 | VV | 666        | 12214  | 0.62%  | 0.040% |
| 225 | 15.821 | 15.803 | 15.845 | VV | 748        | 10324  | 0.53%  | 0.034% |
| 226 | 15.862 | 15.845 | 15.877 | PV | 236        | 2419   | 0.12%  | 0.008% |
| 227 | 15.910 | 15.877 | 15.926 | VV | 252        | 4767   | 0.24%  | 0.016% |
| 228 | 15.950 | 15.926 | 15.987 | VV | 656        | 12148  | 0.62%  | 0.040% |
| 229 | 16.007 | 15.987 | 16.034 | VV | 333        | 4466   | 0.23%  | 0.015% |
| 230 | 16.054 | 16.034 | 16.066 | PV | 300        | 3656   | 0.19%  | 0.012% |
| 231 | 16.121 | 16.066 | 16.157 | VV | 7192       | 100240 | 5.10%  | 0.328% |
| 232 | 16.182 | 16.157 | 16.204 | VV | 496        | 8554   | 0.44%  | 0.028% |
| 233 | 16.429 | 16.204 | 16.446 | VV | 724        | 65131  | 3.31%  | 0.213% |
| 234 | 16.480 | 16.446 | 16.511 | VV | 948        | 22876  | 1.16%  | 0.075% |
| 235 | 16.586 | 16.511 | 16.620 | VV | 9322       | 154051 | 7.84%  | 0.504% |
| 236 | 16.648 | 16.620 | 16.674 | VV | 453        | 11337  | 0.58%  | 0.037% |
| 237 | 16.805 | 16.674 | 16.836 | VV | 994        | 51633  | 2.63%  | 0.169% |
| 238 | 16.876 | 16.836 | 16.908 | VV | 1273       | 36471  | 1.86%  | 0.119% |
| 239 | 16.955 | 16.908 | 16.977 | VV | 1606       | 50056  | 2.55%  | 0.164% |
| 240 | 17.035 | 16.977 | 17.077 | VV | 16522      | 282934 | 14.39% | 0.926% |
| 241 | 17.090 | 17.077 | 17.104 | VV | 1024       | 15683  | 0.80%  | 0.051% |
| 242 | 17.132 | 17.104 | 17.172 | VV | 2533       | 54759  | 2.79%  | 0.179% |
| 243 | 17.214 | 17.172 | 17.234 | VV | 785        | 22343  | 1.14%  | 0.073% |
| 244 | 17.257 | 17.234 | 17.269 | VV | 511        | 6244   | 0.32%  | 0.020% |
| 245 | 17.303 | 17.269 | 17.316 | PV | 721        | 11884  | 0.60%  | 0.039% |
| 246 | 17.346 | 17.316 | 17.374 | VV | 1160       | 28904  | 1.47%  | 0.095% |

| rteres.txt |        |        |        |    |       |         |         |        |
|------------|--------|--------|--------|----|-------|---------|---------|--------|
| 247        | 17.382 | 17.374 | 17.391 | VV | 627   | 5256    | 0.27%   | 0.017% |
| 248        | 17.469 | 17.391 | 17.504 | VV | 13678 | 261905  | 13.32%  | 0.857% |
| 249        | 17.602 | 17.504 | 17.632 | VV | 2722  | 160890  | 8.18%   | 0.527% |
| 250        | 17.642 | 17.632 | 17.662 | VV | 2471  | 36998   | 1.88%   | 0.121% |
| 251        | 17.685 | 17.662 | 17.709 | VV | 1951  | 46220   | 2.35%   | 0.151% |
| 252        | 17.746 | 17.709 | 17.772 | VV | 3223  | 82679   | 4.21%   | 0.271% |
| 253        | 17.781 | 17.772 | 17.807 | VV | 2016  | 35231   | 1.79%   | 0.115% |
| 254        | 17.814 | 17.807 | 17.838 | VV | 1355  | 19348   | 0.98%   | 0.063% |
| 255        | 17.890 | 17.838 | 17.927 | VV | 22136 | 331823  | 16.88%  | 1.086% |
| 256        | 17.949 | 17.927 | 17.969 | VV | 1675  | 25368   | 1.29%   | 0.083% |
| 257        | 17.985 | 17.969 | 17.994 | VV | 561   | 7134    | 0.36%   | 0.023% |
| 258        | 18.020 | 17.994 | 18.036 | VV | 554   | 9238    | 0.47%   | 0.030% |
| 259        | 18.100 | 18.036 | 18.116 | PV | 614   | 9218    | 0.47%   | 0.030% |
| 260        | 18.161 | 18.116 | 18.176 | VV | 1123  | 24660   | 1.25%   | 0.081% |
| 261        | 18.208 | 18.176 | 18.219 | VV | 1590  | 34827   | 1.77%   | 0.114% |
| 262        | 18.300 | 18.219 | 18.350 | VV | 13280 | 350766  | 17.84%  | 1.148% |
| 263        | 18.379 | 18.350 | 18.400 | VV | 3120  | 85159   | 4.33%   | 0.279% |
| 264        | 18.411 | 18.400 | 18.462 | VV | 2589  | 72631   | 3.69%   | 0.238% |
| 265        | 18.473 | 18.462 | 18.499 | VV | 1452  | 24034   | 1.22%   | 0.079% |
| 266        | 18.509 | 18.499 | 18.526 | VV | 810   | 10297   | 0.52%   | 0.034% |
| 267        | 18.552 | 18.526 | 18.566 | VV | 678   | 10551   | 0.54%   | 0.035% |
| 268        | 18.593 | 18.566 | 18.601 | PV | 380   | 4276    | 0.22%   | 0.014% |
| 269        | 18.698 | 18.601 | 18.729 | PV | 11844 | 230414  | 11.72%  | 0.754% |
| 270        | 18.787 | 18.729 | 18.821 | VV | 3395  | 148567  | 7.56%   | 0.486% |
| 271        | 18.866 | 18.821 | 18.908 | VV | 5507  | 193008  | 9.82%   | 0.632% |
| 272        | 18.951 | 18.908 | 18.974 | VV | 3654  | 131148  | 6.67%   | 0.429% |
| 273        | 19.080 | 18.974 | 19.109 | VV | 11309 | 442549  | 22.51%  | 1.449% |
| 274        | 19.116 | 19.109 | 19.125 | VV | 5439  | 50534   | 2.57%   | 0.165% |
| 275        | 19.379 | 19.125 | 19.409 | VV | 12963 | 1349059 | 68.62%  | 4.417% |
| 276        | 19.453 | 19.409 | 19.488 | VV | 13071 | 511219  | 26.00%  | 1.674% |
| 277        | 19.580 | 19.488 | 19.598 | VV | 14450 | 766464  | 38.99%  | 2.509% |
| 278        | 19.613 | 19.598 | 19.628 | VV | 14321 | 241247  | 12.27%  | 0.790% |
| 279        | 19.649 | 19.628 | 19.677 | VV | 13917 | 398999  | 20.30%  | 1.306% |
| 280        | 19.690 | 19.677 | 19.712 | VV | 14544 | 279762  | 14.23%  | 0.916% |
| 281        | 19.725 | 19.712 | 19.752 | VV | 12604 | 281598  | 14.32%  | 0.922% |
| 282        | 19.820 | 19.752 | 19.827 | VV | 15434 | 561315  | 28.55%  | 1.838% |
| 283        | 19.869 | 19.827 | 19.897 | VV | 22814 | 812718  | 41.34%  | 2.661% |
| 284        | 19.915 | 19.897 | 19.926 | VV | 21059 | 342379  | 17.42%  | 1.121% |
| 285        | 19.936 | 19.926 | 19.956 | VV | 20786 | 361185  | 18.37%  | 1.182% |
| 286        | 19.964 | 19.956 | 19.996 | VV | 19770 | 458848  | 23.34%  | 1.502% |
| 287        | 20.005 | 19.996 | 20.057 | VV | 18796 | 615123  | 31.29%  | 2.014% |
| 288        | 20.086 | 20.057 | 20.093 | VV | 14866 | 308591  | 15.70%  | 1.010% |
| 289        | 20.178 | 20.093 | 20.194 | VV | 22169 | 1047680 | 53.29%  | 3.430% |
| 290        | 20.233 | 20.194 | 20.256 | VV | 25256 | 857328  | 43.61%  | 2.807% |
| 291        | 20.334 | 20.256 | 20.366 | VV | 36110 | 1965949 | 100.00% | 6.436% |
| 292        | 20.385 | 20.366 | 20.420 | VV | 31583 | 985566  | 50.13%  | 3.227% |
| 293        | 20.430 | 20.420 | 20.450 | VV | 28207 | 484255  | 24.63%  | 1.585% |
| 294        | 20.464 | 20.450 | 20.477 | VV | 26091 | 429828  | 21.86%  | 1.407% |
| 295        | 20.488 | 20.477 | 20.497 | VV | 25332 | 292755  | 14.89%  | 0.958% |
| 296        | 20.521 | 20.497 | 20.534 | VV | 26635 | 573837  | 29.19%  | 1.879% |
| 297        | 20.544 | 20.534 | 20.554 | VV | 25860 | 307776  | 15.66%  | 1.008% |
| 298        | 20.580 | 20.554 | 20.631 | VV | 26095 | 1088680 | 55.38%  | 3.564% |
| 299        | 20.659 | 20.631 | 20.676 | VV | 20730 | 543104  | 27.63%  | 1.778% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 300 | 20.702 | 20.676 | 20.744 | VV | 21016      | 798021  | 40.59% | 2.613% |
| 301 | 20.761 | 20.744 | 20.781 | VV | 18162      | 386421  | 19.66% | 1.265% |
| 302 | 20.821 | 20.781 | 20.883 | VV | 21691      | 1117707 | 56.85% | 3.659% |
| 303 | 20.891 | 20.883 | 20.902 | VV | 15468      | 178552  | 9.08%  | 0.585% |
| 304 | 20.918 | 20.902 | 20.926 | VV | 15628      | 212817  | 10.83% | 0.697% |
| 305 | 20.934 | 20.926 | 20.944 | VV | 15258      | 163353  | 8.31%  | 0.535% |
| 306 | 20.978 | 20.944 | 21.008 | VV | 15381      | 561484  | 28.56% | 1.838% |
| 307 | 21.023 | 21.008 | 21.069 | VV | 13268      | 430720  | 21.91% | 1.410% |
| 308 | 21.076 | 21.069 | 21.092 | VV | 10124      | 137764  | 7.01%  | 0.451% |
| 309 | 21.099 | 21.092 | 21.129 | VV | 9863       | 204068  | 10.38% | 0.668% |
| 310 | 21.141 | 21.129 | 21.152 | VV | 8870       | 120811  | 6.15%  | 0.396% |
| 311 | 21.162 | 21.152 | 21.184 | VV | 8195       | 143676  | 7.31%  | 0.470% |
| 312 | 21.271 | 21.184 | 21.299 | VV | 10640      | 596664  | 30.35% | 1.953% |
| 313 | 21.374 | 21.299 | 21.389 | VV | 16015      | 755387  | 38.42% | 2.473% |
| 314 | 21.396 | 21.389 | 21.547 | VV | 15725      | 810734  | 41.24% | 2.654% |
| 315 | 21.561 | 21.547 | 21.573 | PV | 848        | 6168    | 0.31%  | 0.020% |

Sum of corrected areas: 30545411

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