

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071118AL\  
 Data File : FC035275.D  
 Signal(s) : FID1A.CH  
 Acq On : 11 Jul 2018 22:36  
 Sample : J3908-02MSD  
 Misc :  
 ALS Vial : 12 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         | 3.236       | 3.202        | 3.322      | BV       | 231407         | 1952763      | 29.98%         | 1.272%        |
| 2         | 3.332       | 3.322        | 3.349      | VV       | 214            | 2950         | 0.05%          | 0.002%        |
| 3         | 3.364       | 3.349        | 3.404      | VV       | 198            | 4463         | 0.07%          | 0.003%        |
| 4         | 3.421       | 3.404        | 3.477      | VV       | 261            | 5983         | 0.09%          | 0.004%        |
| 5         | 3.500       | 3.477        | 3.531      | VV       | 261            | 5125         | 0.08%          | 0.003%        |
| 6         | 3.544       | 3.531        | 3.592      | VV       | 204            | 6154         | 0.09%          | 0.004%        |
| 7         | 3.608       | 3.592        | 3.628      | VV       | 237            | 2655         | 0.04%          | 0.002%        |
| 8         | 3.645       | 3.628        | 3.666      | PV       | 299            | 3193         | 0.05%          | 0.002%        |
| 9         | 3.674       | 3.666        | 3.714      | VV       | 118            | 2421         | 0.04%          | 0.002%        |
| 10        | 3.728       | 3.714        | 3.765      | VV       | 440            | 6228         | 0.10%          | 0.004%        |
| 11        | 3.781       | 3.765        | 3.799      | VV       | 202            | 2225         | 0.03%          | 0.001%        |
| 12        | 3.811       | 3.799        | 3.874      | VV       | 253            | 6554         | 0.10%          | 0.004%        |
| 13        | 3.904       | 3.874        | 3.920      | VV       | 531            | 7704         | 0.12%          | 0.005%        |
| 14        | 3.934       | 3.920        | 3.959      | VV       | 175            | 3286         | 0.05%          | 0.002%        |
| 15        | 3.967       | 3.959        | 3.982      | VV       | 159            | 1847         | 0.03%          | 0.001%        |
| 16        | 4.000       | 3.982        | 4.037      | VV       | 943            | 10381        | 0.16%          | 0.007%        |
| 17        | 4.066       | 4.037        | 4.093      | VV       | 467            | 6935         | 0.11%          | 0.005%        |
| 18        | 4.111       | 4.093        | 4.138      | VV       | 181            | 3781         | 0.06%          | 0.002%        |
| 19        | 4.161       | 4.138        | 4.191      | VV       | 1479           | 17966        | 0.28%          | 0.012%        |
| 20        | 4.201       | 4.191        | 4.212      | VV       | 337            | 3174         | 0.05%          | 0.002%        |
| 21        | 4.229       | 4.212        | 4.273      | VV       | 1050           | 14500        | 0.22%          | 0.009%        |
| 22        | 4.304       | 4.273        | 4.392      | VV       | 276801         | 2610465      | 40.07%         | 1.700%        |
| 23        | 4.418       | 4.392        | 4.438      | VV       | 1272           | 21521        | 0.33%          | 0.014%        |
| 24        | 4.463       | 4.438        | 4.486      | VV       | 1368           | 21577        | 0.33%          | 0.014%        |
| 25        | 4.515       | 4.486        | 4.546      | VV       | 518            | 12638        | 0.19%          | 0.008%        |
| 26        | 4.556       | 4.546        | 4.576      | VV       | 356            | 4514         | 0.07%          | 0.003%        |
| 27        | 4.587       | 4.576        | 4.596      | VV       | 216            | 2596         | 0.04%          | 0.002%        |
| 28        | 4.604       | 4.596        | 4.622      | VV       | 273            | 2988         | 0.05%          | 0.002%        |
| 29        | 4.656       | 4.622        | 4.684      | VV       | 282            | 7889         | 0.12%          | 0.005%        |
| 30        | 4.712       | 4.684        | 4.737      | VV       | 340            | 7418         | 0.11%          | 0.005%        |
| 31        | 4.753       | 4.737        | 4.802      | VV       | 234            | 5707         | 0.09%          | 0.004%        |
| 32        | 4.812       | 4.802        | 4.846      | PV       | 181            | 2923         | 0.04%          | 0.002%        |
| 33        | 4.879       | 4.846        | 4.901      | VV       | 214            | 5636         | 0.09%          | 0.004%        |
| 34        | 4.945       | 4.901        | 4.971      | VV       | 1938           | 31486        | 0.48%          | 0.021%        |
| 35        | 4.988       | 4.971        | 5.031      | VV       | 2635           | 35209        | 0.54%          | 0.023%        |
| 36        | 5.038       | 5.031        | 5.053      | VV       | 423            | 3977         | 0.06%          | 0.003%        |

| rteres.txt |       |       |       |    |        |         |        |        |
|------------|-------|-------|-------|----|--------|---------|--------|--------|
| 37         | 5.067 | 5.053 | 5.082 | VV | 400    | 4802    | 0.07%  | 0.003% |
| 38         | 5.129 | 5.082 | 5.151 | PV | 1161   | 17925   | 0.28%  | 0.012% |
| 39         | 5.170 | 5.151 | 5.191 | VV | 1102   | 14355   | 0.22%  | 0.009% |
| 40         | 5.199 | 5.191 | 5.209 | VV | 223    | 2511    | 0.04%  | 0.002% |
| 41         | 5.227 | 5.209 | 5.239 | VV | 322    | 4927    | 0.08%  | 0.003% |
| 42         | 5.257 | 5.239 | 5.291 | VV | 1759   | 25943   | 0.40%  | 0.017% |
| 43         | 5.302 | 5.291 | 5.320 | VV | 498    | 6723    | 0.10%  | 0.004% |
| 44         | 5.341 | 5.320 | 5.371 | VV | 2171   | 34243   | 0.53%  | 0.022% |
| 45         | 5.381 | 5.371 | 5.422 | VV | 1105   | 17442   | 0.27%  | 0.011% |
| 46         | 5.436 | 5.422 | 5.451 | VV | 528    | 7034    | 0.11%  | 0.005% |
| 47         | 5.457 | 5.451 | 5.469 | VV | 320    | 3823    | 0.06%  | 0.002% |
| 48         | 5.478 | 5.469 | 5.491 | VV | 428    | 4355    | 0.07%  | 0.003% |
| 49         | 5.519 | 5.491 | 5.547 | VV | 1349   | 24021   | 0.37%  | 0.016% |
| 50         | 5.588 | 5.547 | 5.607 | VV | 567    | 14581   | 0.22%  | 0.009% |
| 51         | 5.623 | 5.607 | 5.669 | VV | 907    | 21155   | 0.32%  | 0.014% |
| 52         | 5.686 | 5.669 | 5.716 | VV | 657    | 12291   | 0.19%  | 0.008% |
| 53         | 5.744 | 5.716 | 5.771 | VV | 657    | 15314   | 0.24%  | 0.010% |
| 54         | 5.793 | 5.771 | 5.811 | VV | 682    | 11358   | 0.17%  | 0.007% |
| 55         | 5.843 | 5.811 | 5.862 | VV | 1069   | 23474   | 0.36%  | 0.015% |
| 56         | 5.885 | 5.862 | 5.914 | VV | 2233   | 38610   | 0.59%  | 0.025% |
| 57         | 5.935 | 5.914 | 5.956 | VV | 1255   | 23150   | 0.36%  | 0.015% |
| 58         | 5.981 | 5.956 | 6.002 | VV | 1214   | 28304   | 0.43%  | 0.018% |
| 59         | 6.063 | 6.002 | 6.086 | VV | 1681   | 65208   | 1.00%  | 0.042% |
| 60         | 6.122 | 6.086 | 6.138 | VV | 1532   | 39331   | 0.60%  | 0.026% |
| 61         | 6.154 | 6.138 | 6.177 | VV | 1519   | 30724   | 0.47%  | 0.020% |
| 62         | 6.203 | 6.177 | 6.226 | VV | 2345   | 54824   | 0.84%  | 0.036% |
| 63         | 6.239 | 6.226 | 6.257 | VV | 2161   | 36707   | 0.56%  | 0.024% |
| 64         | 6.273 | 6.257 | 6.291 | VV | 2035   | 38004   | 0.58%  | 0.025% |
| 65         | 6.320 | 6.291 | 6.394 | VV | 309554 | 3270048 | 50.20% | 2.130% |
| 66         | 6.411 | 6.394 | 6.432 | VV | 2360   | 50563   | 0.78%  | 0.033% |
| 67         | 6.467 | 6.432 | 6.488 | VV | 8322   | 140431  | 2.16%  | 0.091% |
| 68         | 6.504 | 6.488 | 6.525 | VV | 4521   | 72198   | 1.11%  | 0.047% |
| 69         | 6.538 | 6.525 | 6.562 | VV | 2443   | 44890   | 0.69%  | 0.029% |
| 70         | 6.588 | 6.562 | 6.611 | VV | 2694   | 68547   | 1.05%  | 0.045% |
| 71         | 6.640 | 6.611 | 6.661 | VV | 3370   | 82823   | 1.27%  | 0.054% |
| 72         | 6.674 | 6.661 | 6.686 | VV | 3011   | 38400   | 0.59%  | 0.025% |
| 73         | 6.705 | 6.686 | 6.747 | VV | 3313   | 97774   | 1.50%  | 0.064% |
| 74         | 6.771 | 6.747 | 6.791 | VV | 4211   | 85723   | 1.32%  | 0.056% |
| 75         | 6.809 | 6.791 | 6.823 | VV | 4506   | 71723   | 1.10%  | 0.047% |
| 76         | 6.837 | 6.823 | 6.856 | VV | 4780   | 77709   | 1.19%  | 0.051% |
| 77         | 6.873 | 6.856 | 6.897 | VV | 4442   | 92111   | 1.41%  | 0.060% |
| 78         | 6.928 | 6.897 | 6.944 | VV | 4281   | 101368  | 1.56%  | 0.066% |
| 79         | 6.962 | 6.944 | 6.994 | VV | 4012   | 102778  | 1.58%  | 0.067% |
| 80         | 7.018 | 6.994 | 7.054 | VV | 19384  | 321374  | 4.93%  | 0.209% |
| 81         | 7.070 | 7.054 | 7.088 | VV | 5123   | 92814   | 1.42%  | 0.060% |
| 82         | 7.116 | 7.088 | 7.134 | VV | 8182   | 158398  | 2.43%  | 0.103% |
| 83         | 7.146 | 7.134 | 7.172 | VV | 5027   | 107017  | 1.64%  | 0.070% |
| 84         | 7.199 | 7.172 | 7.226 | VV | 6427   | 175184  | 2.69%  | 0.114% |
| 85         | 7.241 | 7.226 | 7.261 | VV | 6129   | 115812  | 1.78%  | 0.075% |
| 86         | 7.305 | 7.261 | 7.316 | VV | 6320   | 180008  | 2.76%  | 0.117% |
| 87         | 7.329 | 7.316 | 7.337 | VV | 6727   | 80065   | 1.23%  | 0.052% |
| 88         | 7.378 | 7.337 | 7.389 | VV | 8814   | 241324  | 3.70%  | 0.157% |
| 89         | 7.411 | 7.389 | 7.438 | VV | 13048  | 269490  | 4.14%  | 0.176% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 90         | 7.456  | 7.438  | 7.477  | VV | 7635   | 149060  | 2.29%  | 0.097% |
| 91         | 7.522  | 7.477  | 7.538  | VV | 10801  | 283846  | 4.36%  | 0.185% |
| 92         | 7.573  | 7.538  | 7.589  | VV | 10048  | 252788  | 3.88%  | 0.165% |
| 93         | 7.606  | 7.589  | 7.639  | VV | 9047   | 236949  | 3.64%  | 0.154% |
| 94         | 7.662  | 7.639  | 7.684  | VV | 12483  | 254208  | 3.90%  | 0.166% |
| 95         | 7.711  | 7.684  | 7.729  | VV | 8899   | 221415  | 3.40%  | 0.144% |
| 96         | 7.803  | 7.729  | 7.820  | VV | 11663  | 487110  | 7.48%  | 0.317% |
| 97         | 7.841  | 7.820  | 7.882  | VV | 18375  | 448364  | 6.88%  | 0.292% |
| 98         | 7.928  | 7.882  | 7.954  | VV | 41896  | 759153  | 11.65% | 0.495% |
| 99         | 7.978  | 7.954  | 7.999  | VV | 15518  | 346367  | 5.32%  | 0.226% |
| 100        | 8.016  | 7.999  | 8.035  | VV | 13631  | 258151  | 3.96%  | 0.168% |
| 101        | 8.108  | 8.035  | 8.141  | VV | 324260 | 4199579 | 64.47% | 2.736% |
| 102        | 8.155  | 8.141  | 8.179  | VV | 17688  | 331954  | 5.10%  | 0.216% |
| 103        | 8.200  | 8.179  | 8.213  | VV | 13922  | 263824  | 4.05%  | 0.172% |
| 104        | 8.260  | 8.213  | 8.331  | VV | 31829  | 1134225 | 17.41% | 0.739% |
| 105        | 8.353  | 8.331  | 8.372  | VV | 15695  | 341404  | 5.24%  | 0.222% |
| 106        | 8.389  | 8.372  | 8.420  | VV | 14360  | 392190  | 6.02%  | 0.255% |
| 107        | 8.459  | 8.420  | 8.471  | VV | 18514  | 455484  | 6.99%  | 0.297% |
| 108        | 8.488  | 8.471  | 8.512  | VV | 18701  | 400057  | 6.14%  | 0.261% |
| 109        | 8.555  | 8.512  | 8.578  | VV | 28518  | 678084  | 10.41% | 0.442% |
| 110        | 8.642  | 8.578  | 8.667  | VV | 64986  | 1467526 | 22.53% | 0.956% |
| 111        | 8.680  | 8.667  | 8.699  | VV | 15591  | 273562  | 4.20%  | 0.178% |
| 112        | 8.717  | 8.699  | 8.740  | VV | 20017  | 393486  | 6.04%  | 0.256% |
| 113        | 8.785  | 8.740  | 8.802  | VV | 20974  | 621711  | 9.54%  | 0.405% |
| 114        | 8.818  | 8.802  | 8.831  | VV | 16925  | 277620  | 4.26%  | 0.181% |
| 115        | 8.860  | 8.831  | 8.882  | VV | 18849  | 532408  | 8.17%  | 0.347% |
| 116        | 8.898  | 8.882  | 8.918  | VV | 17180  | 360676  | 5.54%  | 0.235% |
| 117        | 8.949  | 8.918  | 8.971  | VV | 17549  | 516582  | 7.93%  | 0.337% |
| 118        | 9.009  | 8.971  | 9.031  | VV | 20419  | 588373  | 9.03%  | 0.383% |
| 119        | 9.051  | 9.031  | 9.094  | VV | 16656  | 557901  | 8.56%  | 0.363% |
| 120        | 9.123  | 9.094  | 9.141  | VV | 17746  | 444984  | 6.83%  | 0.290% |
| 121        | 9.160  | 9.141  | 9.194  | VV | 17132  | 499069  | 7.66%  | 0.325% |
| 122        | 9.223  | 9.194  | 9.264  | VV | 19128  | 681018  | 10.45% | 0.444% |
| 123        | 9.300  | 9.264  | 9.342  | VV | 25589  | 882971  | 13.55% | 0.575% |
| 124        | 9.376  | 9.342  | 9.401  | VV | 26619  | 686686  | 10.54% | 0.447% |
| 125        | 9.459  | 9.401  | 9.502  | VV | 25754  | 1055824 | 16.21% | 0.688% |
| 126        | 9.534  | 9.502  | 9.566  | VV | 14883  | 531771  | 8.16%  | 0.346% |
| 127        | 9.578  | 9.566  | 9.593  | VV | 13809  | 224469  | 3.45%  | 0.146% |
| 128        | 9.616  | 9.593  | 9.631  | VV | 16331  | 339100  | 5.21%  | 0.221% |
| 129        | 9.655  | 9.631  | 9.674  | VV | 24440  | 517797  | 7.95%  | 0.337% |
| 130        | 9.702  | 9.674  | 9.742  | VV | 342706 | 4334352 | 66.54% | 2.823% |
| 131        | 9.762  | 9.742  | 9.794  | VV | 18870  | 567533  | 8.71%  | 0.370% |
| 132        | 9.802  | 9.794  | 9.844  | VV | 19350  | 497485  | 7.64%  | 0.324% |
| 133        | 9.868  | 9.844  | 9.887  | VV | 15609  | 389888  | 5.99%  | 0.254% |
| 134        | 9.927  | 9.887  | 9.959  | VV | 17064  | 673918  | 10.35% | 0.439% |
| 135        | 9.976  | 9.959  | 10.022 | VV | 16289  | 579247  | 8.89%  | 0.377% |
| 136        | 10.087 | 10.022 | 10.135 | VV | 67954  | 1791895 | 27.51% | 1.167% |
| 137        | 10.158 | 10.135 | 10.207 | VV | 17435  | 711019  | 10.92% | 0.463% |
| 138        | 10.232 | 10.207 | 10.259 | VV | 20807  | 518279  | 7.96%  | 0.338% |
| 139        | 10.279 | 10.259 | 10.298 | VV | 15118  | 338554  | 5.20%  | 0.221% |
| 140        | 10.367 | 10.298 | 10.393 | VV | 18947  | 920687  | 14.13% | 0.600% |
| 141        | 10.414 | 10.393 | 10.427 | VV | 19895  | 363493  | 5.58%  | 0.237% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 142        | 10.434 | 10.427 | 10.476 | VV | 19849  | 515480  | 7.91%  | 0.336% |
| 143        | 10.509 | 10.476 | 10.539 | VV | 111880 | 1922154 | 29.51% | 1.252% |
| 144        | 10.552 | 10.539 | 10.592 | VV | 19561  | 532203  | 8.17%  | 0.347% |
| 145        | 10.623 | 10.592 | 10.644 | VV | 16351  | 479615  | 7.36%  | 0.312% |
| 146        | 10.662 | 10.644 | 10.684 | VV | 16858  | 385929  | 5.92%  | 0.251% |
| 147        | 10.706 | 10.684 | 10.727 | VV | 17304  | 418981  | 6.43%  | 0.273% |
| 148        | 10.765 | 10.727 | 10.796 | VV | 18049  | 684914  | 10.51% | 0.446% |
| 149        | 10.828 | 10.796 | 10.871 | VV | 26366  | 846433  | 12.99% | 0.551% |
| 150        | 10.886 | 10.871 | 10.897 | VV | 15282  | 239320  | 3.67%  | 0.156% |
| 151        | 10.910 | 10.897 | 10.928 | VV | 16430  | 291166  | 4.47%  | 0.190% |
| 152        | 10.943 | 10.928 | 10.981 | VV | 16046  | 483295  | 7.42%  | 0.315% |
| 153        | 11.009 | 10.981 | 11.039 | VV | 15326  | 525228  | 8.06%  | 0.342% |
| 154        | 11.081 | 11.039 | 11.099 | VV | 16149  | 551209  | 8.46%  | 0.359% |
| 155        | 11.139 | 11.099 | 11.175 | VV | 334528 | 4485006 | 68.85% | 2.922% |
| 156        | 11.228 | 11.175 | 11.279 | VV | 64049  | 1616140 | 24.81% | 1.053% |
| 157        | 11.291 | 11.279 | 11.308 | VV | 14504  | 237533  | 3.65%  | 0.155% |
| 158        | 11.324 | 11.308 | 11.356 | VV | 14261  | 383808  | 5.89%  | 0.250% |
| 159        | 11.409 | 11.356 | 11.471 | VV | 17011  | 984809  | 15.12% | 0.642% |
| 160        | 11.504 | 11.471 | 11.519 | VV | 14533  | 377815  | 5.80%  | 0.246% |
| 161        | 11.533 | 11.519 | 11.559 | VV | 15459  | 329439  | 5.06%  | 0.215% |
| 162        | 11.580 | 11.559 | 11.611 | VV | 13003  | 388977  | 5.97%  | 0.253% |
| 163        | 11.626 | 11.611 | 11.667 | VV | 13346  | 432924  | 6.65%  | 0.282% |
| 164        | 11.686 | 11.667 | 11.722 | VV | 13533  | 421071  | 6.46%  | 0.274% |
| 165        | 11.739 | 11.722 | 11.757 | VV | 13669  | 266586  | 4.09%  | 0.174% |
| 166        | 11.782 | 11.757 | 11.857 | VV | 23891  | 922179  | 14.16% | 0.601% |
| 167        | 11.910 | 11.857 | 11.974 | VV | 13784  | 841267  | 12.91% | 0.548% |
| 168        | 12.005 | 11.974 | 12.026 | VV | 12205  | 346375  | 5.32%  | 0.226% |
| 169        | 12.039 | 12.026 | 12.062 | VV | 11789  | 244183  | 3.75%  | 0.159% |
| 170        | 12.097 | 12.062 | 12.132 | VV | 12087  | 463024  | 7.11%  | 0.302% |
| 171        | 12.159 | 12.132 | 12.177 | VV | 11136  | 285511  | 4.38%  | 0.186% |
| 172        | 12.210 | 12.177 | 12.247 | VV | 11416  | 434382  | 6.67%  | 0.283% |
| 173        | 12.271 | 12.247 | 12.292 | VV | 10407  | 269559  | 4.14%  | 0.176% |
| 174        | 12.314 | 12.292 | 12.332 | VV | 10396  | 238051  | 3.65%  | 0.155% |
| 175        | 12.367 | 12.332 | 12.394 | VV | 12820  | 402095  | 6.17%  | 0.262% |
| 176        | 12.444 | 12.394 | 12.496 | VV | 337690 | 4458469 | 68.44% | 2.904% |
| 177        | 12.503 | 12.496 | 12.522 | VV | 10008  | 153550  | 2.36%  | 0.100% |
| 178        | 12.536 | 12.522 | 12.556 | VV | 9829   | 188038  | 2.89%  | 0.122% |
| 179        | 12.584 | 12.556 | 12.617 | VV | 10644  | 336926  | 5.17%  | 0.219% |
| 180        | 12.622 | 12.617 | 12.652 | VV | 7807   | 159088  | 2.44%  | 0.104% |
| 181        | 12.662 | 12.652 | 12.681 | VV | 8034   | 129927  | 1.99%  | 0.085% |
| 182        | 12.696 | 12.681 | 12.710 | VV | 7937   | 134274  | 2.06%  | 0.087% |
| 183        | 12.725 | 12.710 | 12.751 | VV | 8280   | 188176  | 2.89%  | 0.123% |
| 184        | 12.767 | 12.751 | 12.784 | VV | 7838   | 148098  | 2.27%  | 0.096% |
| 185        | 12.795 | 12.784 | 12.830 | VV | 7480   | 197343  | 3.03%  | 0.129% |
| 186        | 12.885 | 12.830 | 12.916 | VV | 160794 | 2179655 | 33.46% | 1.420% |
| 187        | 12.939 | 12.916 | 12.971 | VV | 11003  | 308004  | 4.73%  | 0.201% |
| 188        | 12.984 | 12.971 | 13.019 | VV | 7569   | 202629  | 3.11%  | 0.132% |
| 189        | 13.054 | 13.019 | 13.133 | VV | 301988 | 4357776 | 66.90% | 2.839% |
| 190        | 13.145 | 13.133 | 13.191 | VV | 6223   | 201199  | 3.09%  | 0.131% |
| 191        | 13.213 | 13.191 | 13.239 | VV | 5900   | 156622  | 2.40%  | 0.102% |
| 192        | 13.273 | 13.239 | 13.305 | VV | 6625   | 222236  | 3.41%  | 0.145% |
| 193        | 13.321 | 13.305 | 13.347 | VV | 5774   | 130395  | 2.00%  | 0.085% |
| 194        | 13.367 | 13.347 | 13.387 | VV | 5050   | 118427  | 1.82%  | 0.077% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 13.409 | 13.387 | 13.439 | VV | 5244       | 143040  | 2.20%  | 0.093% |
| 196 | 13.468 | 13.439 | 13.522 | VV | 5635       | 243467  | 3.74%  | 0.159% |
| 197 | 13.544 | 13.522 | 13.601 | VV | 5133       | 209146  | 3.21%  | 0.136% |
| 198 | 13.639 | 13.601 | 13.680 | VV | 312231     | 4082335 | 62.67% | 2.659% |
| 199 | 13.688 | 13.680 | 13.756 | VV | 5463       | 196591  | 3.02%  | 0.128% |
| 200 | 13.782 | 13.756 | 13.827 | VV | 3890       | 149013  | 2.29%  | 0.097% |
| 201 | 13.866 | 13.827 | 13.911 | VV | 4340       | 174361  | 2.68%  | 0.114% |
| 202 | 13.930 | 13.911 | 13.972 | VV | 3377       | 107912  | 1.66%  | 0.070% |
| 203 | 14.018 | 13.972 | 14.037 | VV | 2859       | 102821  | 1.58%  | 0.067% |
| 204 | 14.064 | 14.037 | 14.114 | VV | 2995       | 120502  | 1.85%  | 0.078% |
| 205 | 14.132 | 14.114 | 14.174 | VV | 2555       | 78858   | 1.21%  | 0.051% |
| 206 | 14.197 | 14.174 | 14.229 | VV | 3959       | 86807   | 1.33%  | 0.057% |
| 207 | 14.249 | 14.229 | 14.259 | VV | 1972       | 33807   | 0.52%  | 0.022% |
| 208 | 14.271 | 14.259 | 14.301 | VV | 2057       | 46397   | 0.71%  | 0.030% |
| 209 | 14.319 | 14.301 | 14.392 | VV | 2009       | 91049   | 1.40%  | 0.059% |
| 210 | 14.397 | 14.392 | 14.412 | VV | 1367       | 16069   | 0.25%  | 0.010% |
| 211 | 14.439 | 14.412 | 14.472 | VV | 1718       | 51770   | 0.79%  | 0.034% |
| 212 | 14.477 | 14.472 | 14.521 | VV | 1402       | 34137   | 0.52%  | 0.022% |
| 213 | 14.579 | 14.521 | 14.627 | VV | 1317       | 69159   | 1.06%  | 0.045% |
| 214 | 14.639 | 14.627 | 14.649 | VV | 951        | 11837   | 0.18%  | 0.008% |
| 215 | 14.657 | 14.649 | 14.674 | VV | 956        | 13151   | 0.20%  | 0.009% |
| 216 | 14.740 | 14.674 | 14.856 | VV | 302443     | 4125296 | 63.33% | 2.687% |
| 217 | 14.868 | 14.856 | 14.920 | VV | 1006       | 29370   | 0.45%  | 0.019% |
| 218 | 14.935 | 14.920 | 14.956 | VV | 720        | 13695   | 0.21%  | 0.009% |
| 219 | 15.019 | 14.956 | 15.037 | VV | 682        | 27789   | 0.43%  | 0.018% |
| 220 | 15.067 | 15.037 | 15.102 | VV | 791        | 21141   | 0.32%  | 0.014% |
| 221 | 15.119 | 15.102 | 15.131 | VV | 616        | 7793    | 0.12%  | 0.005% |
| 222 | 15.144 | 15.131 | 15.196 | VV | 716        | 18742   | 0.29%  | 0.012% |
| 223 | 15.209 | 15.196 | 15.227 | VV | 555        | 7025    | 0.11%  | 0.005% |
| 224 | 15.255 | 15.227 | 15.292 | VV | 4288       | 64151   | 0.98%  | 0.042% |
| 225 | 15.302 | 15.292 | 15.334 | VV | 323        | 6429    | 0.10%  | 0.004% |
| 226 | 15.341 | 15.334 | 15.362 | VV | 207        | 2516    | 0.04%  | 0.002% |
| 227 | 15.374 | 15.362 | 15.406 | VV | 255        | 3097    | 0.05%  | 0.002% |
| 228 | 15.432 | 15.406 | 15.454 | VV | 251        | 3440    | 0.05%  | 0.002% |
| 229 | 15.481 | 15.454 | 15.492 | VV | 177        | 3163    | 0.05%  | 0.002% |
| 230 | 15.514 | 15.492 | 15.536 | VV | 214        | 3395    | 0.05%  | 0.002% |
| 231 | 15.580 | 15.536 | 15.606 | VV | 542        | 13522   | 0.21%  | 0.009% |
| 232 | 15.624 | 15.606 | 15.671 | VV | 678        | 11953   | 0.18%  | 0.008% |
| 233 | 15.757 | 15.671 | 15.835 | PV | 304749     | 4014152 | 61.62% | 2.615% |
| 234 | 15.844 | 15.835 | 15.866 | VV | 327        | 4305    | 0.07%  | 0.003% |
| 235 | 15.893 | 15.866 | 15.927 | PV | 570        | 12606   | 0.19%  | 0.008% |
| 236 | 15.952 | 15.927 | 15.999 | VV | 392        | 11231   | 0.17%  | 0.007% |
| 237 | 16.065 | 15.999 | 16.086 | VV | 839        | 22127   | 0.34%  | 0.014% |
| 238 | 16.113 | 16.086 | 16.160 | VV | 539        | 15349   | 0.24%  | 0.010% |
| 239 | 16.237 | 16.160 | 16.276 | PV | 4884       | 78692   | 1.21%  | 0.051% |
| 240 | 16.394 | 16.276 | 16.417 | PV | 395        | 15461   | 0.24%  | 0.010% |
| 241 | 16.448 | 16.417 | 16.469 | VV | 237        | 5587    | 0.09%  | 0.004% |
| 242 | 16.537 | 16.469 | 16.565 | VV | 492        | 14639   | 0.22%  | 0.010% |
| 243 | 16.587 | 16.565 | 16.646 | VV | 833        | 18902   | 0.29%  | 0.012% |
| 244 | 16.706 | 16.646 | 16.772 | VV | 284635     | 4063366 | 62.38% | 2.647% |
| 245 | 16.778 | 16.772 | 16.784 | VV | 596        | 3958    | 0.06%  | 0.003% |
| 246 | 16.790 | 16.784 | 16.847 | VV | 651        | 17270   | 0.27%  | 0.011% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 247 | 16.880 | 16.847 | 16.896 | VV | 724        | 16834   | 0.26%  | 0.011% |
| 248 | 16.929 | 16.896 | 16.957 | VV | 1076       | 28712   | 0.44%  | 0.019% |
| 249 | 16.995 | 16.957 | 17.014 | VV | 1103       | 26005   | 0.40%  | 0.017% |
| 250 | 17.041 | 17.014 | 17.064 | VV | 868        | 22849   | 0.35%  | 0.015% |
| 251 | 17.094 | 17.064 | 17.121 | VV | 1148       | 33230   | 0.51%  | 0.022% |
| 252 | 17.154 | 17.121 | 17.194 | VV | 7575       | 130514  | 2.00%  | 0.085% |
| 253 | 17.209 | 17.194 | 17.219 | VV | 999        | 12727   | 0.20%  | 0.008% |
| 254 | 17.250 | 17.219 | 17.286 | VV | 1613       | 47856   | 0.73%  | 0.031% |
| 255 | 17.320 | 17.286 | 17.337 | VV | 1069       | 27495   | 0.42%  | 0.018% |
| 256 | 17.359 | 17.337 | 17.390 | VV | 979        | 24984   | 0.38%  | 0.016% |
| 257 | 17.434 | 17.390 | 17.452 | VV | 1274       | 34316   | 0.53%  | 0.022% |
| 258 | 17.482 | 17.452 | 17.505 | VV | 1745       | 38754   | 0.59%  | 0.025% |
| 259 | 17.591 | 17.505 | 17.661 | VV | 287418     | 4206495 | 64.58% | 2.740% |
| 260 | 17.717 | 17.661 | 17.797 | VV | 3157       | 154778  | 2.38%  | 0.101% |
| 261 | 17.807 | 17.797 | 17.830 | VV | 1568       | 28609   | 0.44%  | 0.019% |
| 262 | 17.865 | 17.830 | 17.891 | VV | 2312       | 68774   | 1.06%  | 0.045% |
| 263 | 17.916 | 17.891 | 17.957 | VV | 2264       | 80176   | 1.23%  | 0.052% |
| 264 | 18.010 | 17.957 | 18.039 | VV | 6867       | 163503  | 2.51%  | 0.107% |
| 265 | 18.082 | 18.039 | 18.106 | VV | 3732       | 111385  | 1.71%  | 0.073% |
| 266 | 18.118 | 18.106 | 18.136 | VV | 2556       | 43276   | 0.66%  | 0.028% |
| 267 | 18.158 | 18.136 | 18.180 | VV | 2545       | 61548   | 0.94%  | 0.040% |
| 268 | 18.229 | 18.180 | 18.259 | VV | 2581       | 113879  | 1.75%  | 0.074% |
| 269 | 18.313 | 18.259 | 18.356 | VV | 2778       | 148297  | 2.28%  | 0.097% |
| 270 | 18.422 | 18.356 | 18.478 | VV | 294039     | 4217954 | 64.75% | 2.748% |
| 271 | 18.505 | 18.478 | 18.529 | VV | 4496       | 117946  | 1.81%  | 0.077% |
| 272 | 18.554 | 18.529 | 18.572 | VV | 4418       | 103034  | 1.58%  | 0.067% |
| 273 | 18.581 | 18.572 | 18.597 | VV | 3675       | 52898   | 0.81%  | 0.034% |
| 274 | 18.609 | 18.597 | 18.622 | VV | 3757       | 55787   | 0.86%  | 0.036% |
| 275 | 18.674 | 18.622 | 18.692 | VV | 4216       | 163008  | 2.50%  | 0.106% |
| 276 | 18.817 | 18.692 | 18.864 | VV | 6698       | 484159  | 7.43%  | 0.315% |
| 277 | 18.900 | 18.864 | 18.939 | VV | 5444       | 225351  | 3.46%  | 0.147% |
| 278 | 18.986 | 18.939 | 19.009 | VV | 5722       | 227452  | 3.49%  | 0.148% |
| 279 | 19.018 | 19.009 | 19.034 | VV | 5630       | 82196   | 1.26%  | 0.054% |
| 280 | 19.045 | 19.034 | 19.058 | VV | 5701       | 83450   | 1.28%  | 0.054% |
| 281 | 19.121 | 19.058 | 19.132 | VV | 6132       | 258894  | 3.97%  | 0.169% |
| 282 | 19.203 | 19.132 | 19.259 | VV | 281714     | 4479483 | 68.77% | 2.918% |
| 283 | 19.312 | 19.259 | 19.344 | VV | 7869       | 388983  | 5.97%  | 0.253% |
| 284 | 19.496 | 19.344 | 19.522 | VV | 9829       | 919018  | 14.11% | 0.599% |
| 285 | 19.580 | 19.522 | 19.599 | VV | 12393      | 507549  | 7.79%  | 0.331% |
| 286 | 19.617 | 19.599 | 19.686 | VV | 12295      | 612377  | 9.40%  | 0.399% |
| 287 | 19.692 | 19.686 | 19.702 | VV | 10979      | 109640  | 1.68%  | 0.071% |
| 288 | 19.720 | 19.702 | 19.729 | VV | 11592      | 177812  | 2.73%  | 0.116% |
| 289 | 19.840 | 19.729 | 19.878 | VV | 13378      | 1123058 | 17.24% | 0.732% |
| 290 | 19.943 | 19.878 | 20.022 | VV | 265800     | 4969849 | 76.29% | 3.237% |
| 291 | 20.036 | 20.022 | 20.052 | VV | 15229      | 278063  | 4.27%  | 0.181% |
| 292 | 20.295 | 20.052 | 20.331 | VV | 19203      | 2844801 | 43.67% | 1.853% |
| 293 | 20.338 | 20.331 | 20.346 | VV | 18863      | 168638  | 2.59%  | 0.110% |
| 294 | 20.390 | 20.346 | 20.403 | VV | 19616      | 666308  | 10.23% | 0.434% |
| 295 | 20.451 | 20.403 | 20.491 | VV | 20399      | 1048154 | 16.09% | 0.683% |
| 296 | 20.498 | 20.491 | 20.506 | VV | 19765      | 180058  | 2.76%  | 0.117% |
| 297 | 20.555 | 20.506 | 20.566 | VV | 20057      | 713309  | 10.95% | 0.465% |
| 298 | 20.573 | 20.566 | 20.584 | VV | 20032      | 219856  | 3.38%  | 0.143% |
| 299 | 20.660 | 20.584 | 20.757 | VV | 235538     | 5661511 | 86.91% | 3.688% |

|     |        |        |        |     |                         |           |         |        |
|-----|--------|--------|--------|-----|-------------------------|-----------|---------|--------|
|     |        |        |        |     | rteres.txt              |           |         |        |
| 300 | 20.782 | 20.757 | 20.794 | VV  | 19614                   | 426496    | 6.55%   | 0.278% |
| 301 | 20.836 | 20.794 | 20.906 | VV  | 20049                   | 1317315   | 20.22%  | 0.858% |
| 302 | 20.917 | 20.906 | 20.931 | VV  | 19189                   | 288031    | 4.42%   | 0.188% |
| 303 | 20.960 | 20.931 | 21.011 | VV  | 19682                   | 925228    | 14.20%  | 0.603% |
| 304 | 21.062 | 21.011 | 21.154 | VV  | 20047                   | 1640935   | 25.19%  | 1.069% |
| 305 | 21.162 | 21.154 | 21.178 | VV  | 18669                   | 271139    | 4.16%   | 0.177% |
| 306 | 21.189 | 21.178 | 21.217 | VV  | 18634                   | 432126    | 6.63%   | 0.281% |
| 307 | 21.255 | 21.217 | 21.264 | VV  | 18603                   | 517184    | 7.94%   | 0.337% |
| 308 | 21.273 | 21.264 | 21.434 | VV  | 18556                   | 1831573   | 28.12%  | 1.193% |
| 309 | 21.522 | 21.434 | 21.702 | VV  | 173913                  | 6514098   | 100.00% | 4.243% |
| 310 | 21.711 | 21.702 | 21.745 | VV  | 17106                   | 438866    | 6.74%   | 0.286% |
| 311 | 21.761 | 21.745 | 21.771 | VV  | 16756                   | 251800    | 3.87%   | 0.164% |
| 312 | 21.775 | 21.771 | 21.801 | VBA | 16715                   | 312355    | 4.80%   | 0.203% |
|     |        |        |        |     | Sum of corrected areas: | 153513262 |         |        |

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