

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100818AL\  
 Data File : FC036710.D  
 Signal(s) : FID1A.CH  
 Acq On : 08 Oct 2018 19:31  
 Sample : J5309-26D  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 092118.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         | 3.187       | 3.152        | 3.272      | BV       | 180            | 4879         | 0.16%          | 0.013%        |
| 2         | 3.280       | 3.272        | 3.291      | PV       | 136            | 1148         | 0.04%          | 0.003%        |
| 3         | 3.319       | 3.291        | 3.364      | VV       | 204            | 4404         | 0.15%          | 0.012%        |
| 4         | 3.380       | 3.364        | 3.439      | VV       | 130            | 3088         | 0.10%          | 0.008%        |
| 5         | 3.448       | 3.439        | 3.486      | PV       | 123            | 1778         | 0.06%          | 0.005%        |
| 6         | 3.492       | 3.486        | 3.556      | VV       | 125            | 3200         | 0.11%          | 0.009%        |
| 7         | 3.566       | 3.556        | 3.584      | PV       | 100            | 1111         | 0.04%          | 0.003%        |
| 8         | 3.592       | 3.584        | 3.612      | VV       | 145            | 1741         | 0.06%          | 0.005%        |
| 9         | 3.632       | 3.612        | 3.642      | VV       | 181            | 2382         | 0.08%          | 0.006%        |
| 10        | 3.654       | 3.642        | 3.667      | VV       | 154            | 1633         | 0.05%          | 0.004%        |
| 11        | 3.684       | 3.667        | 3.727      | VV       | 184            | 3628         | 0.12%          | 0.010%        |
| 12        | 3.737       | 3.727        | 3.788      | VV       | 190            | 3518         | 0.12%          | 0.009%        |
| 13        | 3.798       | 3.788        | 3.840      | VV       | 194            | 2813         | 0.09%          | 0.008%        |
| 14        | 3.861       | 3.840        | 3.936      | VV       | 545            | 18086        | 0.61%          | 0.048%        |
| 15        | 3.945       | 3.936        | 3.976      | VV       | 228            | 3760         | 0.13%          | 0.010%        |
| 16        | 4.006       | 3.976        | 4.043      | VV       | 357            | 10085        | 0.34%          | 0.027%        |
| 17        | 4.053       | 4.043        | 4.072      | VV       | 274            | 3618         | 0.12%          | 0.010%        |
| 18        | 4.089       | 4.072        | 4.099      | VV       | 249            | 3164         | 0.11%          | 0.008%        |
| 19        | 4.137       | 4.099        | 4.153      | VV       | 278            | 5697         | 0.19%          | 0.015%        |
| 20        | 4.162       | 4.153        | 4.185      | VV       | 160            | 2520         | 0.08%          | 0.007%        |
| 21        | 4.195       | 4.185        | 4.224      | VV       | 216            | 2794         | 0.09%          | 0.007%        |
| 22        | 4.252       | 4.224        | 4.299      | VV       | 298            | 8469         | 0.28%          | 0.023%        |
| 23        | 4.320       | 4.299        | 4.343      | VV       | 185            | 3507         | 0.12%          | 0.009%        |
| 24        | 4.367       | 4.343        | 4.388      | VV       | 680            | 8440         | 0.28%          | 0.023%        |
| 25        | 4.404       | 4.388        | 4.421      | VV       | 414            | 4868         | 0.16%          | 0.013%        |
| 26        | 4.431       | 4.421        | 4.447      | VV       | 306            | 2735         | 0.09%          | 0.007%        |
| 27        | 4.463       | 4.447        | 4.507      | VV       | 588            | 11677        | 0.39%          | 0.031%        |
| 28        | 4.514       | 4.507        | 4.575      | VV       | 260            | 6126         | 0.21%          | 0.016%        |
| 29        | 4.620       | 4.575        | 4.651      | VV       | 201            | 5057         | 0.17%          | 0.014%        |
| 30        | 4.674       | 4.651        | 4.686      | VV       | 187            | 2768         | 0.09%          | 0.007%        |
| 31        | 4.695       | 4.686        | 4.728      | VV       | 190            | 3424         | 0.11%          | 0.009%        |
| 32        | 4.735       | 4.728        | 4.778      | VV       | 158            | 3242         | 0.11%          | 0.009%        |
| 33        | 4.798       | 4.778        | 4.806      | VV       | 179            | 2010         | 0.07%          | 0.005%        |
| 34        | 4.811       | 4.806        | 4.821      | VV       | 174            | 1331         | 0.04%          | 0.004%        |
| 35        | 4.845       | 4.821        | 4.867      | PV       | 318            | 4563         | 0.15%          | 0.012%        |
| 36        | 4.882       | 4.867        | 4.929      | VV       | 438            | 6841         | 0.23%          | 0.018%        |

|    |       |       |       |    |            |        |       |        |
|----|-------|-------|-------|----|------------|--------|-------|--------|
|    |       |       |       |    | rteres.txt |        |       |        |
| 37 | 4.940 | 4.929 | 4.969 | VV | 233        | 3478   | 0.12% | 0.009% |
| 38 | 5.010 | 4.969 | 5.039 | VV | 266        | 6007   | 0.20% | 0.016% |
| 39 | 5.054 | 5.039 | 5.086 | VV | 314        | 5648   | 0.19% | 0.015% |
| 40 | 5.112 | 5.086 | 5.149 | VV | 271        | 7177   | 0.24% | 0.019% |
| 41 | 5.163 | 5.149 | 5.204 | VV | 249        | 5209   | 0.17% | 0.014% |
| 42 | 5.215 | 5.204 | 5.239 | VV | 179        | 2758   | 0.09% | 0.007% |
| 43 | 5.263 | 5.239 | 5.282 | VV | 266        | 4068   | 0.14% | 0.011% |
| 44 | 5.302 | 5.282 | 5.309 | VV | 269        | 2985   | 0.10% | 0.008% |
| 45 | 5.328 | 5.309 | 5.363 | VV | 374        | 7085   | 0.24% | 0.019% |
| 46 | 5.387 | 5.363 | 5.404 | VV | 270        | 3705   | 0.12% | 0.010% |
| 47 | 5.412 | 5.404 | 5.437 | VV | 190        | 2431   | 0.08% | 0.006% |
| 48 | 5.446 | 5.437 | 5.504 | VV | 192        | 5408   | 0.18% | 0.014% |
| 49 | 5.554 | 5.504 | 5.568 | VV | 490        | 9631   | 0.32% | 0.026% |
| 50 | 5.581 | 5.568 | 5.632 | VV | 452        | 11584  | 0.39% | 0.031% |
| 51 | 5.644 | 5.632 | 5.653 | VV | 265        | 2898   | 0.10% | 0.008% |
| 52 | 5.664 | 5.653 | 5.675 | VV | 331        | 2512   | 0.08% | 0.007% |
| 53 | 5.694 | 5.675 | 5.711 | PV | 267        | 3956   | 0.13% | 0.011% |
| 54 | 5.729 | 5.711 | 5.762 | VV | 325        | 5736   | 0.19% | 0.015% |
| 55 | 5.827 | 5.762 | 5.907 | VV | 1130       | 29811  | 1.00% | 0.080% |
| 56 | 5.919 | 5.907 | 5.936 | VV | 342        | 4397   | 0.15% | 0.012% |
| 57 | 5.990 | 5.936 | 6.025 | VV | 452        | 17143  | 0.57% | 0.046% |
| 58 | 6.034 | 6.025 | 6.104 | VV | 332        | 10618  | 0.36% | 0.028% |
| 59 | 6.123 | 6.104 | 6.141 | VV | 382        | 5708   | 0.19% | 0.015% |
| 60 | 6.158 | 6.141 | 6.187 | VV | 287        | 6251   | 0.21% | 0.017% |
| 61 | 6.220 | 6.187 | 6.239 | VV | 392        | 8314   | 0.28% | 0.022% |
| 62 | 6.272 | 6.239 | 6.330 | VV | 425        | 11342  | 0.38% | 0.030% |
| 63 | 6.393 | 6.330 | 6.434 | VV | 437        | 14157  | 0.47% | 0.038% |
| 64 | 6.442 | 6.434 | 6.472 | VV | 287        | 4103   | 0.14% | 0.011% |
| 65 | 6.480 | 6.472 | 6.512 | VV | 255        | 3473   | 0.12% | 0.009% |
| 66 | 6.529 | 6.512 | 6.571 | VV | 312        | 5580   | 0.19% | 0.015% |
| 67 | 6.578 | 6.571 | 6.647 | VV | 241        | 6199   | 0.21% | 0.017% |
| 68 | 6.655 | 6.647 | 6.687 | VV | 196        | 2392   | 0.08% | 0.006% |
| 69 | 6.702 | 6.687 | 6.728 | PV | 157        | 1990   | 0.07% | 0.005% |
| 70 | 6.751 | 6.728 | 6.772 | VV | 174        | 3085   | 0.10% | 0.008% |
| 71 | 6.790 | 6.772 | 6.819 | VV | 241        | 4043   | 0.14% | 0.011% |
| 72 | 6.837 | 6.819 | 6.856 | VV | 241        | 3731   | 0.13% | 0.010% |
| 73 | 6.877 | 6.856 | 6.912 | VV | 834        | 13898  | 0.47% | 0.037% |
| 74 | 6.922 | 6.912 | 6.946 | VV | 220        | 3748   | 0.13% | 0.010% |
| 75 | 6.956 | 6.946 | 6.976 | VV | 160        | 2262   | 0.08% | 0.006% |
| 76 | 7.007 | 6.976 | 7.054 | VV | 1545       | 22633  | 0.76% | 0.060% |
| 77 | 7.066 | 7.054 | 7.107 | VV | 200        | 3318   | 0.11% | 0.009% |
| 78 | 7.125 | 7.107 | 7.135 | VV | 160        | 1906   | 0.06% | 0.005% |
| 79 | 7.143 | 7.135 | 7.161 | VV | 225        | 2317   | 0.08% | 0.006% |
| 80 | 7.181 | 7.161 | 7.209 | VV | 265        | 4439   | 0.15% | 0.012% |
| 81 | 7.249 | 7.227 | 7.284 | PV | 179        | 2309   | 0.08% | 0.006% |
| 82 | 7.287 | 7.284 | 7.322 | VV | 191        | 1950   | 0.07% | 0.005% |
| 83 | 7.342 | 7.322 | 7.392 | PV | 157        | 3166   | 0.11% | 0.008% |
| 84 | 7.406 | 7.392 | 7.422 | VV | 140        | 1137   | 0.04% | 0.003% |
| 85 | 7.593 | 7.572 | 7.691 | VV | 2902       | 107673 | 3.61% | 0.288% |
| 86 | 7.696 | 7.691 | 7.717 | VV | 667        | 9731   | 0.33% | 0.026% |
| 87 | 7.743 | 7.717 | 7.784 | VV | 1209       | 33285  | 1.12% | 0.089% |
| 88 | 7.804 | 7.784 | 7.824 | VV | 1097       | 17098  | 0.57% | 0.046% |
| 89 | 7.846 | 7.824 | 7.904 | VV | 1062       | 33496  | 1.12% | 0.090% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 90  | 7.918  | 7.904  | 7.927  | VV | 444        | 6180    | 0.21%  | 0.017% |
| 91  | 7.962  | 7.927  | 7.977  | VV | 2473       | 34647   | 1.16%  | 0.093% |
| 92  | 7.993  | 7.977  | 8.026  | VV | 2064       | 38120   | 1.28%  | 0.102% |
| 93  | 8.039  | 8.026  | 8.074  | VV | 1063       | 19014   | 0.64%  | 0.051% |
| 94  | 8.102  | 8.074  | 8.126  | VV | 9449       | 113208  | 3.79%  | 0.303% |
| 95  | 8.143  | 8.126  | 8.215  | VV | 3563       | 62801   | 2.11%  | 0.168% |
| 96  | 8.233  | 8.215  | 8.259  | VV | 604        | 7702    | 0.26%  | 0.021% |
| 97  | 8.281  | 8.259  | 8.305  | VV | 256        | 3729    | 0.12%  | 0.010% |
| 98  | 8.436  | 8.414  | 8.466  | VV | 9793       | 134284  | 4.50%  | 0.359% |
| 99  | 8.484  | 8.466  | 8.503  | VV | 3408       | 52063   | 1.75%  | 0.139% |
| 100 | 8.518  | 8.503  | 8.536  | VV | 2102       | 32768   | 1.10%  | 0.088% |
| 101 | 8.549  | 8.536  | 8.576  | VV | 1540       | 27955   | 0.94%  | 0.075% |
| 102 | 8.588  | 8.576  | 8.638  | VV | 1078       | 30202   | 1.01%  | 0.081% |
| 103 | 8.678  | 8.638  | 8.694  | VV | 1610       | 35189   | 1.18%  | 0.094% |
| 104 | 8.713  | 8.694  | 8.732  | VV | 2850       | 40033   | 1.34%  | 0.107% |
| 105 | 8.747  | 8.732  | 8.774  | VV | 1492       | 29387   | 0.99%  | 0.079% |
| 106 | 8.793  | 8.774  | 8.823  | VV | 1355       | 28218   | 0.95%  | 0.075% |
| 107 | 8.864  | 8.823  | 8.877  | VV | 1117       | 27583   | 0.92%  | 0.074% |
| 108 | 8.883  | 8.877  | 8.941  | VV | 1062       | 19632   | 0.66%  | 0.052% |
| 109 | 8.958  | 8.941  | 8.976  | VV | 335        | 4942    | 0.17%  | 0.013% |
| 110 | 9.000  | 8.976  | 9.017  | VV | 982        | 13784   | 0.46%  | 0.037% |
| 111 | 9.049  | 9.017  | 9.101  | VV | 2001       | 45282   | 1.52%  | 0.121% |
| 112 | 9.136  | 9.101  | 9.156  | VV | 814        | 15587   | 0.52%  | 0.042% |
| 113 | 9.175  | 9.156  | 9.190  | VV | 529        | 7214    | 0.24%  | 0.019% |
| 114 | 9.217  | 9.190  | 9.257  | VV | 10606      | 148035  | 4.96%  | 0.396% |
| 115 | 9.268  | 9.257  | 9.281  | VV | 1086       | 14950   | 0.50%  | 0.040% |
| 116 | 9.295  | 9.281  | 9.309  | VV | 1790       | 22439   | 0.75%  | 0.060% |
| 117 | 9.325  | 9.309  | 9.347  | VV | 1154       | 23387   | 0.78%  | 0.062% |
| 118 | 9.366  | 9.347  | 9.404  | VV | 2581       | 45758   | 1.53%  | 0.122% |
| 119 | 9.426  | 9.404  | 9.457  | VV | 1653       | 29363   | 0.98%  | 0.078% |
| 120 | 9.476  | 9.457  | 9.487  | VV | 732        | 11636   | 0.39%  | 0.031% |
| 121 | 9.500  | 9.487  | 9.517  | VV | 814        | 12124   | 0.41%  | 0.032% |
| 122 | 9.539  | 9.517  | 9.576  | VV | 2029       | 37916   | 1.27%  | 0.101% |
| 123 | 9.590  | 9.576  | 9.611  | VV | 763        | 11896   | 0.40%  | 0.032% |
| 124 | 9.639  | 9.611  | 9.683  | VV | 2854       | 53526   | 1.79%  | 0.143% |
| 125 | 9.698  | 9.683  | 9.719  | VV | 647        | 10540   | 0.35%  | 0.028% |
| 126 | 9.734  | 9.719  | 9.769  | VV | 469        | 8569    | 0.29%  | 0.023% |
| 127 | 9.801  | 9.769  | 9.854  | VV | 409        | 10162   | 0.34%  | 0.027% |
| 128 | 9.861  | 9.854  | 9.886  | VV | 103        | 1443    | 0.05%  | 0.004% |
| 129 | 9.898  | 9.886  | 9.934  | PV | 177        | 2783    | 0.09%  | 0.007% |
| 130 | 9.958  | 9.934  | 9.970  | VV | 338        | 4564    | 0.15%  | 0.012% |
| 131 | 9.983  | 9.970  | 9.999  | VV | 291        | 3812    | 0.13%  | 0.010% |
| 132 | 10.021 | 9.999  | 10.044 | VV | 474        | 10222   | 0.34%  | 0.027% |
| 133 | 10.096 | 10.044 | 10.117 | VV | 2645       | 55498   | 1.86%  | 0.148% |
| 134 | 10.132 | 10.117 | 10.179 | VV | 2146       | 36453   | 1.22%  | 0.097% |
| 135 | 10.209 | 10.179 | 10.244 | VV | 1988       | 37516   | 1.26%  | 0.100% |
| 136 | 10.268 | 10.244 | 10.319 | VV | 2525       | 57396   | 1.92%  | 0.153% |
| 137 | 10.376 | 10.319 | 10.392 | VV | 2290       | 51648   | 1.73%  | 0.138% |
| 138 | 10.413 | 10.392 | 10.497 | VV | 3418       | 83266   | 2.79%  | 0.223% |
| 139 | 10.510 | 10.497 | 10.531 | VV | 1004       | 12145   | 0.41%  | 0.032% |
| 140 | 10.545 | 10.531 | 10.561 | VV | 478        | 6066    | 0.20%  | 0.016% |
| 141 | 10.607 | 10.561 | 10.659 | VV | 91615      | 1107738 | 37.13% | 2.960% |

| rteres.txt |        |        |        |    |        |         |         |        |
|------------|--------|--------|--------|----|--------|---------|---------|--------|
| 142        | 10.683 | 10.659 | 10.755 | VV | 19076  | 296522  | 9.94%   | 0.792% |
| 143        | 10.765 | 10.755 | 10.809 | VV | 1077   | 26648   | 0.89%   | 0.071% |
| 144        | 10.824 | 10.809 | 10.844 | VV | 573    | 8862    | 0.30%   | 0.024% |
| 145        | 10.863 | 10.844 | 10.884 | VV | 917    | 15860   | 0.53%   | 0.042% |
|            |        |        |        |    |        |         |         |        |
| 146        | 10.907 | 10.884 | 10.951 | VV | 3304   | 66337   | 2.22%   | 0.177% |
| 147        | 10.955 | 10.951 | 10.984 | VV | 770    | 12671   | 0.42%   | 0.034% |
| 148        | 11.006 | 10.984 | 11.034 | VV | 1153   | 22262   | 0.75%   | 0.059% |
| 149        | 11.043 | 11.034 | 11.051 | VV | 628    | 5191    | 0.17%   | 0.014% |
| 150        | 11.071 | 11.051 | 11.092 | VV | 2058   | 29165   | 0.98%   | 0.078% |
|            |        |        |        |    |        |         |         |        |
| 151        | 11.144 | 11.092 | 11.184 | VV | 4070   | 87431   | 2.93%   | 0.234% |
| 152        | 11.210 | 11.184 | 11.231 | VV | 1049   | 20573   | 0.69%   | 0.055% |
| 153        | 11.260 | 11.231 | 11.282 | VV | 1007   | 21780   | 0.73%   | 0.058% |
| 154        | 11.302 | 11.282 | 11.343 | VV | 793    | 13633   | 0.46%   | 0.036% |
| 155        | 11.376 | 11.343 | 11.422 | PV | 266110 | 2983361 | 100.00% | 7.972% |
|            |        |        |        |    |        |         |         |        |
| 156        | 11.438 | 11.422 | 11.486 | VV | 11671  | 171212  | 5.74%   | 0.458% |
| 157        | 11.518 | 11.486 | 11.538 | VV | 13735  | 205519  | 6.89%   | 0.549% |
| 158        | 11.553 | 11.538 | 11.567 | VV | 6957   | 84593   | 2.84%   | 0.226% |
| 159        | 11.583 | 11.567 | 11.651 | VV | 8925   | 130845  | 4.39%   | 0.350% |
| 160        | 11.676 | 11.651 | 11.714 | VV | 796    | 19124   | 0.64%   | 0.051% |
|            |        |        |        |    |        |         |         |        |
| 161        | 11.737 | 11.714 | 11.754 | VV | 1412   | 21815   | 0.73%   | 0.058% |
| 162        | 11.774 | 11.754 | 11.853 | VV | 2360   | 67745   | 2.27%   | 0.181% |
| 163        | 11.878 | 11.853 | 11.953 | VV | 8675   | 140872  | 4.72%   | 0.376% |
| 164        | 11.966 | 11.953 | 11.990 | VV | 396    | 7422    | 0.25%   | 0.020% |
| 165        | 12.022 | 11.990 | 12.054 | VV | 1253   | 20910   | 0.70%   | 0.056% |
|            |        |        |        |    |        |         |         |        |
| 166        | 12.087 | 12.054 | 12.104 | VV | 599    | 11057   | 0.37%   | 0.030% |
| 167        | 12.126 | 12.104 | 12.171 | VV | 1655   | 39979   | 1.34%   | 0.107% |
| 168        | 12.194 | 12.171 | 12.230 | VV | 2049   | 36983   | 1.24%   | 0.099% |
| 169        | 12.255 | 12.230 | 12.280 | VV | 1719   | 32373   | 1.09%   | 0.087% |
| 170        | 12.302 | 12.280 | 12.321 | VV | 5287   | 70199   | 2.35%   | 0.188% |
|            |        |        |        |    |        |         |         |        |
| 171        | 12.336 | 12.321 | 12.351 | VV | 2173   | 32837   | 1.10%   | 0.088% |
| 172        | 12.371 | 12.351 | 12.387 | VV | 2424   | 46231   | 1.55%   | 0.124% |
| 173        | 12.414 | 12.387 | 12.467 | VV | 97490  | 1182137 | 39.62%  | 3.159% |
| 174        | 12.480 | 12.467 | 12.531 | VV | 1297   | 30073   | 1.01%   | 0.080% |
| 175        | 12.551 | 12.531 | 12.564 | VV | 1389   | 18451   | 0.62%   | 0.049% |
|            |        |        |        |    |        |         |         |        |
| 176        | 12.596 | 12.564 | 12.617 | VV | 3181   | 68692   | 2.30%   | 0.184% |
| 177        | 12.635 | 12.617 | 12.677 | VV | 2507   | 53697   | 1.80%   | 0.143% |
| 178        | 12.709 | 12.677 | 12.745 | VV | 78714  | 922010  | 30.91%  | 2.464% |
| 179        | 12.767 | 12.745 | 12.784 | VV | 9992   | 124075  | 4.16%   | 0.332% |
| 180        | 12.817 | 12.784 | 12.864 | VV | 182542 | 2334321 | 78.24%  | 6.238% |
|            |        |        |        |    |        |         |         |        |
| 181        | 12.886 | 12.864 | 12.897 | VV | 3287   | 45791   | 1.53%   | 0.122% |
| 182        | 12.911 | 12.897 | 12.949 | VV | 3652   | 61447   | 2.06%   | 0.164% |
| 183        | 12.984 | 12.949 | 13.025 | VV | 4803   | 83042   | 2.78%   | 0.222% |
| 184        | 13.056 | 13.025 | 13.083 | VV | 1460   | 33228   | 1.11%   | 0.089% |
| 185        | 13.110 | 13.083 | 13.144 | VV | 2577   | 41715   | 1.40%   | 0.111% |
|            |        |        |        |    |        |         |         |        |
| 186        | 13.170 | 13.144 | 13.242 | VV | 4953   | 92973   | 3.12%   | 0.248% |
| 187        | 13.300 | 13.242 | 13.354 | PV | 14147  | 247418  | 8.29%   | 0.661% |
| 188        | 13.366 | 13.354 | 13.382 | VV | 1174   | 13628   | 0.46%   | 0.036% |
| 189        | 13.407 | 13.382 | 13.427 | VV | 9298   | 126156  | 4.23%   | 0.337% |
| 190        | 13.443 | 13.427 | 13.469 | VV | 6611   | 91362   | 3.06%   | 0.244% |
|            |        |        |        |    |        |         |         |        |
| 191        | 13.483 | 13.469 | 13.505 | VV | 2001   | 30934   | 1.04%   | 0.083% |
| 192        | 13.571 | 13.505 | 13.595 | VV | 7305   | 161062  | 5.40%   | 0.430% |
| 193        | 13.614 | 13.595 | 13.662 | VV | 4979   | 81029   | 2.72%   | 0.217% |
| 194        | 13.692 | 13.662 | 13.712 | VV | 1259   | 22668   | 0.76%   | 0.061% |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 195 | 13.729 | 13.712 | 13.764 | VV | 582        | 13254  | 0.44%  | 0.035% |
| 196 | 13.801 | 13.764 | 13.846 | VV | 683        | 19496  | 0.65%  | 0.052% |
| 197 | 13.855 | 13.846 | 13.869 | VV | 211        | 1565   | 0.05%  | 0.004% |
| 198 | 13.888 | 13.869 | 13.904 | PV | 218        | 3273   | 0.11%  | 0.009% |
| 199 | 13.935 | 13.904 | 13.955 | VV | 2366       | 29601  | 0.99%  | 0.079% |
| 200 | 13.997 | 13.955 | 14.017 | VV | 2990       | 65392  | 2.19%  | 0.175% |
| 201 | 14.036 | 14.017 | 14.074 | VV | 4200       | 77785  | 2.61%  | 0.208% |
| 202 | 14.130 | 14.074 | 14.157 | VV | 3407       | 74220  | 2.49%  | 0.198% |
| 203 | 14.208 | 14.157 | 14.246 | VV | 5139       | 109864 | 3.68%  | 0.294% |
| 204 | 14.269 | 14.246 | 14.295 | VV | 9696       | 135678 | 4.55%  | 0.363% |
| 205 | 14.338 | 14.295 | 14.379 | VV | 5005       | 127155 | 4.26%  | 0.340% |
| 206 | 14.428 | 14.379 | 14.444 | VV | 1505       | 37690  | 1.26%  | 0.101% |
| 207 | 14.456 | 14.444 | 14.510 | VV | 2051       | 33788  | 1.13%  | 0.090% |
| 208 | 14.535 | 14.510 | 14.551 | PV | 2009       | 24999  | 0.84%  | 0.067% |
| 209 | 14.579 | 14.551 | 14.599 | VV | 38448      | 502824 | 16.85% | 1.344% |
| 210 | 14.619 | 14.599 | 14.656 | VV | 36554      | 528469 | 17.71% | 1.412% |
| 211 | 14.668 | 14.656 | 14.694 | VV | 3415       | 47335  | 1.59%  | 0.126% |
| 212 | 14.739 | 14.694 | 14.799 | VV | 10589      | 186250 | 6.24%  | 0.498% |
| 213 | 14.831 | 14.799 | 14.866 | VV | 1677       | 39997  | 1.34%  | 0.107% |
| 214 | 14.891 | 14.866 | 14.904 | VV | 2896       | 44553  | 1.49%  | 0.119% |
| 215 | 14.917 | 14.904 | 14.971 | VV | 2603       | 57471  | 1.93%  | 0.154% |
| 216 | 14.984 | 14.971 | 14.999 | VV | 647        | 8681   | 0.29%  | 0.023% |
| 217 | 15.044 | 14.999 | 15.129 | VV | 14308      | 351951 | 11.80% | 0.940% |
| 218 | 15.141 | 15.129 | 15.161 | VV | 1834       | 31571  | 1.06%  | 0.084% |
| 219 | 15.189 | 15.161 | 15.223 | VV | 4159       | 104297 | 3.50%  | 0.279% |
| 220 | 15.250 | 15.223 | 15.273 | VV | 8285       | 130299 | 4.37%  | 0.348% |
| 221 | 15.289 | 15.273 | 15.316 | VV | 3510       | 60378  | 2.02%  | 0.161% |
| 222 | 15.333 | 15.316 | 15.361 | VV | 2500       | 45299  | 1.52%  | 0.121% |
| 223 | 15.388 | 15.361 | 15.397 | VV | 4201       | 55681  | 1.87%  | 0.149% |
| 224 | 15.411 | 15.397 | 15.461 | VV | 4770       | 98045  | 3.29%  | 0.262% |
| 225 | 15.482 | 15.461 | 15.539 | VV | 2363       | 59932  | 2.01%  | 0.160% |
| 226 | 15.578 | 15.539 | 15.606 | VV | 1613       | 34000  | 1.14%  | 0.091% |
| 227 | 15.683 | 15.606 | 15.727 | VV | 4510       | 101660 | 3.41%  | 0.272% |
| 228 | 15.746 | 15.727 | 15.771 | VV | 1028       | 12958  | 0.43%  | 0.035% |
| 229 | 15.783 | 15.771 | 15.798 | PV | 222        | 3100   | 0.10%  | 0.008% |
| 230 | 15.869 | 15.798 | 15.900 | VV | 1188       | 39612  | 1.33%  | 0.106% |
| 231 | 15.923 | 15.900 | 15.944 | VV | 1272       | 23561  | 0.79%  | 0.063% |
| 232 | 15.953 | 15.944 | 15.970 | VV | 916        | 11811  | 0.40%  | 0.032% |
| 233 | 16.060 | 15.970 | 16.092 | VV | 2649       | 90763  | 3.04%  | 0.243% |
| 234 | 16.131 | 16.092 | 16.149 | VV | 36760      | 535320 | 17.94% | 1.430% |
| 235 | 16.160 | 16.149 | 16.201 | VV | 18198      | 248929 | 8.34%  | 0.665% |
| 236 | 16.220 | 16.201 | 16.229 | VV | 1098       | 17785  | 0.60%  | 0.048% |
| 237 | 16.260 | 16.229 | 16.279 | VV | 7207       | 102159 | 3.42%  | 0.273% |
| 238 | 16.292 | 16.279 | 16.338 | VV | 2850       | 58104  | 1.95%  | 0.155% |
| 239 | 16.350 | 16.338 | 16.364 | VV | 554        | 6042   | 0.20%  | 0.016% |
| 240 | 16.382 | 16.364 | 16.398 | VV | 1044       | 13251  | 0.44%  | 0.035% |
| 241 | 16.448 | 16.398 | 16.481 | VV | 23096      | 356615 | 11.95% | 0.953% |
| 242 | 16.506 | 16.481 | 16.561 | VV | 28504      | 401563 | 13.46% | 1.073% |
| 243 | 16.609 | 16.561 | 16.651 | VV | 7428       | 189575 | 6.35%  | 0.507% |
| 244 | 16.672 | 16.651 | 16.697 | VV | 6809       | 103375 | 3.47%  | 0.276% |
| 245 | 16.715 | 16.697 | 16.729 | VV | 1751       | 22974  | 0.77%  | 0.061% |
| 246 | 16.759 | 16.729 | 16.792 | VV | 1859       | 44309  | 1.49%  | 0.118% |

| rteres.txt |        |        |        |    |       |        |        |        |
|------------|--------|--------|--------|----|-------|--------|--------|--------|
| 247        | 16.814 | 16.792 | 16.833 | VV | 1048  | 14936  | 0.50%  | 0.040% |
| 248        | 16.873 | 16.833 | 16.949 | PV | 3749  | 124023 | 4.16%  | 0.331% |
| 249        | 17.006 | 16.949 | 17.022 | PV | 2845  | 60082  | 2.01%  | 0.161% |
| 250        | 17.031 | 17.022 | 17.054 | VV | 2189  | 32384  | 1.09%  | 0.087% |
| 251        | 17.079 | 17.054 | 17.112 | VV | 6152  | 109028 | 3.65%  | 0.291% |
| 252        | 17.125 | 17.112 | 17.137 | VV | 1137  | 16557  | 0.55%  | 0.044% |
| 253        | 17.165 | 17.137 | 17.197 | VV | 3517  | 62475  | 2.09%  | 0.167% |
| 254        | 17.212 | 17.197 | 17.222 | VV | 729   | 8181   | 0.27%  | 0.022% |
| 255        | 17.230 | 17.222 | 17.249 | VV | 730   | 6285   | 0.21%  | 0.017% |
| 256        | 17.288 | 17.249 | 17.321 | PV | 1607  | 26946  | 0.90%  | 0.072% |
| 257        | 17.358 | 17.321 | 17.379 | VV | 1465  | 17188  | 0.58%  | 0.046% |
| 258        | 17.408 | 17.379 | 17.429 | PV | 576   | 8411   | 0.28%  | 0.022% |
| 259        | 17.512 | 17.429 | 17.544 | VV | 5612  | 131184 | 4.40%  | 0.351% |
| 260        | 17.599 | 17.544 | 17.616 | VV | 3048  | 64594  | 2.17%  | 0.173% |
| 261        | 17.654 | 17.616 | 17.662 | VV | 2753  | 59587  | 2.00%  | 0.159% |
| 262        | 17.676 | 17.662 | 17.708 | VV | 2629  | 52423  | 1.76%  | 0.140% |
| 263        | 17.722 | 17.708 | 17.754 | VV | 1391  | 23539  | 0.79%  | 0.063% |
| 264        | 17.784 | 17.754 | 17.838 | PV | 4792  | 128016 | 4.29%  | 0.342% |
| 265        | 17.872 | 17.838 | 17.902 | VV | 19871 | 361062 | 12.10% | 0.965% |
| 266        | 17.933 | 17.902 | 17.982 | VV | 10217 | 262956 | 8.81%  | 0.703% |
| 267        | 18.011 | 17.982 | 18.094 | VV | 5257  | 211358 | 7.08%  | 0.565% |
| 268        | 18.124 | 18.094 | 18.167 | VV | 13119 | 221647 | 7.43%  | 0.592% |
| 269        | 18.211 | 18.167 | 18.236 | VV | 3959  | 92175  | 3.09%  | 0.246% |
| 270        | 18.258 | 18.236 | 18.292 | VV | 5257  | 96079  | 3.22%  | 0.257% |
| 271        | 18.341 | 18.292 | 18.376 | VV | 5612  | 132995 | 4.46%  | 0.355% |
| 272        | 18.392 | 18.376 | 18.405 | VV | 1229  | 14468  | 0.48%  | 0.039% |
| 273        | 18.437 | 18.405 | 18.457 | VV | 3171  | 64947  | 2.18%  | 0.174% |
| 274        | 18.467 | 18.457 | 18.524 | VV | 1752  | 45006  | 1.51%  | 0.120% |
| 275        | 18.641 | 18.524 | 18.652 | PV | 2566  | 118561 | 3.97%  | 0.317% |
| 276        | 18.698 | 18.652 | 18.714 | VV | 6680  | 169977 | 5.70%  | 0.454% |
| 277        | 18.737 | 18.714 | 18.776 | VV | 8084  | 219518 | 7.36%  | 0.587% |
| 278        | 18.802 | 18.776 | 18.837 | VV | 4209  | 136620 | 4.58%  | 0.365% |
| 279        | 18.846 | 18.837 | 18.875 | VV | 3376  | 66019  | 2.21%  | 0.176% |
| 280        | 18.924 | 18.875 | 18.950 | VV | 3352  | 118557 | 3.97%  | 0.317% |
| 281        | 19.012 | 18.950 | 19.031 | VV | 3017  | 125942 | 4.22%  | 0.337% |
| 282        | 19.047 | 19.031 | 19.057 | VV | 2504  | 34422  | 1.15%  | 0.092% |
| 283        | 19.075 | 19.057 | 19.086 | VV | 2258  | 34798  | 1.17%  | 0.093% |
| 284        | 19.128 | 19.086 | 19.147 | VV | 5789  | 146556 | 4.91%  | 0.392% |
| 285        | 19.166 | 19.147 | 19.196 | VV | 6319  | 130325 | 4.37%  | 0.348% |
| 286        | 19.241 | 19.196 | 19.256 | VV | 4899  | 154555 | 5.18%  | 0.413% |
| 287        | 19.283 | 19.256 | 19.319 | VV | 7968  | 227769 | 7.63%  | 0.609% |
| 288        | 19.356 | 19.319 | 19.386 | VV | 8693  | 262935 | 8.81%  | 0.703% |
| 289        | 19.445 | 19.386 | 19.477 | VV | 11306 | 433271 | 14.52% | 1.158% |
| 290        | 19.498 | 19.477 | 19.522 | VV | 8422  | 204511 | 6.86%  | 0.546% |
| 291        | 19.563 | 19.522 | 19.584 | VV | 7748  | 266490 | 8.93%  | 0.712% |
| 292        | 19.591 | 19.584 | 19.610 | VV | 7255  | 110967 | 3.72%  | 0.297% |
| 293        | 19.663 | 19.610 | 19.709 | VV | 10625 | 490693 | 16.45% | 1.311% |
| 294        | 19.733 | 19.709 | 19.741 | VV | 9916  | 171807 | 5.76%  | 0.459% |
| 295        | 19.749 | 19.741 | 19.765 | VV | 9665  | 134427 | 4.51%  | 0.359% |
| 296        | 19.821 | 19.765 | 19.834 | VV | 10552 | 410821 | 13.77% | 1.098% |
| 297        | 19.864 | 19.834 | 19.888 | VV | 12087 | 360114 | 12.07% | 0.962% |
| 298        | 19.906 | 19.888 | 19.931 | VV | 11549 | 281274 | 9.43%  | 0.752% |
| 299        | 19.955 | 19.931 | 19.965 | VV | 11713 | 228560 | 7.66%  | 0.611% |

|     |        |        |        |    |                         |         |          |        |
|-----|--------|--------|--------|----|-------------------------|---------|----------|--------|
|     |        |        |        |    | rteres.txt              |         |          |        |
| 300 | 20.011 | 19.965 | 20.033 | VV | 13734                   | 479105  | 16.06%   | 1.280% |
| 301 | 20.212 | 20.033 | 20.225 | VV | 17097                   | 1547478 | 51.87%   | 4.135% |
| 302 | 20.235 | 20.225 | 20.249 | VV | 16770                   | 234883  | 7.87%    | 0.628% |
| 303 | 20.315 | 20.249 | 20.327 | VV | 19286                   | 822376  | 27.57%   | 2.198% |
| 304 | 20.345 | 20.327 | 20.361 | VV | 19368                   | 377897  | 12.67%   | 1.010% |
| 305 | 20.376 | 20.361 | 20.396 | VV | 19272                   | 387742  | 13.00%   | 1.036% |
| 306 | 20.415 | 20.396 | 20.447 | VV | 17328                   | 529784  | 17.76%   | 1.416% |
| 307 | 20.464 | 20.447 | 20.478 | VV | 17037                   | 308816  | 10.35%   | 0.825% |
| 308 | 20.488 | 20.478 | 20.507 | VV | 16139                   | 271220  | 9.09%    | 0.725% |
| 309 | 20.564 | 20.507 | 20.587 | VV | 16469                   | 736723  | 24.69%   | 1.969% |
| 310 | 20.644 | 20.587 | 20.669 | VV | 15615                   | 712446  | 23.88%   | 1.904% |
| 311 | 20.677 | 20.669 | 20.767 | VV | 14569                   | 771727  | 25.87%   | 2.062% |
| 312 | 20.794 | 20.767 | 20.811 | VV | 11508                   | 297649  | 9.98%    | 0.795% |
| 313 | 20.823 | 20.811 | 20.846 | VV | 11243                   | 229780  | 7.70%    | 0.614% |
| 314 | 20.876 | 20.846 | 20.887 | VV | 10911                   | 266067  | 8.92%    | 0.711% |
| 315 | 20.962 | 20.887 | 21.093 | VV | 12137                   | 1238401 | 41.51%   | 3.309% |
| 316 | 21.103 | 21.093 | 21.120 | VV | 6744                    | 100128  | 3.36%    | 0.268% |
| 317 | 21.147 | 21.120 | 21.162 | VV | 6254                    | 151273  | 5.07%    | 0.404% |
| 318 | 21.199 | 21.162 | 21.220 | VV | 6418                    | 212427  | 7.12%    | 0.568% |
| 319 | 21.231 | 21.220 | 21.256 | VV | 6368                    | 132367  | 4.44%    | 0.354% |
| 320 | 21.276 | 21.256 | 21.292 | VV | 5980                    | 129890  | 4.35%    | 0.347% |
| 321 | 21.303 | 21.292 | 21.329 | VV | 6209                    | 121891  | 4.09%    | 0.326% |
| 322 | 21.342 | 21.329 | 21.369 | VV | 5213                    | 116484  | 3.90%    | 0.311% |
| 323 | 21.396 | 21.369 | 21.500 | VV | 5265                    | 218008  | 7.31%    | 0.583% |
|     |        |        |        |    | Sum of corrected areas: |         | 37422220 |        |

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