

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC082118AL\  
 Data File : FC035994.D  
 Signal(s) : FID1A.CH  
 Acq On : 21 Aug 2018 19:23  
 Sample : J4277-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 082118.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         | 3.211       | 3.182        | 3.221      | BV       | 2630           | 27320        | 0.56%          | 0.014%        |
| 2         | 3.232       | 3.221        | 3.296      | VV       | 6528           | 76298        | 1.56%          | 0.040%        |
| 3         | 3.338       | 3.296        | 3.351      | PV       | 5991           | 68871        | 1.41%          | 0.036%        |
| 4         | 3.362       | 3.351        | 3.378      | VV       | 3766           | 36347        | 0.74%          | 0.019%        |
| 5         | 3.395       | 3.378        | 3.408      | VV       | 3233           | 40219        | 0.82%          | 0.021%        |
| 6         | 3.420       | 3.408        | 3.442      | VV       | 3297           | 44927        | 0.92%          | 0.024%        |
| 7         | 3.454       | 3.442        | 3.464      | VV       | 1882           | 16689        | 0.34%          | 0.009%        |
| 8         | 3.481       | 3.464        | 3.515      | VV       | 7582           | 114480       | 2.34%          | 0.061%        |
| 9         | 3.547       | 3.515        | 3.562      | VV       | 3742           | 61674        | 1.26%          | 0.033%        |
| 10        | 3.590       | 3.562        | 3.632      | VV       | 10304          | 194156       | 3.97%          | 0.103%        |
| 11        | 3.661       | 3.632        | 3.692      | VV       | 8687           | 143267       | 2.93%          | 0.076%        |
| 12        | 3.708       | 3.692        | 3.737      | VV       | 4414           | 68812        | 1.41%          | 0.036%        |
| 13        | 3.753       | 3.737        | 3.774      | VV       | 10750          | 100518       | 2.06%          | 0.053%        |
| 14        | 3.801       | 3.774        | 3.849      | VV       | 5535           | 134642       | 2.75%          | 0.071%        |
| 15        | 3.885       | 3.849        | 3.898      | VV       | 7434           | 105779       | 2.16%          | 0.056%        |
| 16        | 3.911       | 3.898        | 3.930      | VV       | 5880           | 75693        | 1.55%          | 0.040%        |
| 17        | 3.945       | 3.930        | 3.964      | VV       | 4607           | 70074        | 1.43%          | 0.037%        |
| 18        | 3.978       | 3.964        | 4.002      | VV       | 6115           | 75615        | 1.55%          | 0.040%        |
| 19        | 4.045       | 4.002        | 4.071      | VV       | 5286           | 117489       | 2.40%          | 0.062%        |
| 20        | 4.087       | 4.071        | 4.107      | VV       | 5260           | 74563        | 1.53%          | 0.039%        |
| 21        | 4.124       | 4.107        | 4.166      | VV       | 3635           | 66613        | 1.36%          | 0.035%        |
| 22        | 4.195       | 4.166        | 4.214      | VV       | 4275           | 58669        | 1.20%          | 0.031%        |
| 23        | 4.235       | 4.214        | 4.259      | VV       | 3498           | 64083        | 1.31%          | 0.034%        |
| 24        | 4.286       | 4.259        | 4.306      | VV       | 3277           | 68370        | 1.40%          | 0.036%        |
| 25        | 4.322       | 4.306        | 4.336      | VV       | 3649           | 41019        | 0.84%          | 0.022%        |
| 26        | 4.351       | 4.336        | 4.375      | VV       | 3726           | 50043        | 1.02%          | 0.027%        |
| 27        | 4.386       | 4.375        | 4.410      | VV       | 1298           | 23263        | 0.48%          | 0.012%        |
| 28        | 4.447       | 4.410        | 4.464      | VV       | 2750           | 68398        | 1.40%          | 0.036%        |
| 29        | 4.479       | 4.464        | 4.491      | VV       | 4894           | 62910        | 1.29%          | 0.033%        |
| 30        | 4.500       | 4.491        | 4.523      | VV       | 4165           | 65475        | 1.34%          | 0.035%        |
| 31        | 4.538       | 4.523        | 4.554      | VV       | 7372           | 81261        | 1.66%          | 0.043%        |
| 32        | 4.564       | 4.554        | 4.577      | VV       | 3442           | 38402        | 0.79%          | 0.020%        |
| 33        | 4.593       | 4.577        | 4.624      | VV       | 3168           | 77479        | 1.59%          | 0.041%        |
| 34        | 4.635       | 4.624        | 4.643      | VV       | 2791           | 28974        | 0.59%          | 0.015%        |
| 35        | 4.657       | 4.643        | 4.671      | VV       | 3525           | 46958        | 0.96%          | 0.025%        |
| 36        | 4.686       | 4.671        | 4.718      | VV       | 6772           | 118543       | 2.43%          | 0.063%        |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 37         | 4.749 | 4.718 | 4.784 | VV | 6714  | 126972 | 2.60% | 0.067% |
| 38         | 4.806 | 4.784 | 4.826 | VV | 2417  | 42565  | 0.87% | 0.023% |
| 39         | 4.838 | 4.826 | 4.857 | VV | 2202  | 30269  | 0.62% | 0.016% |
| 40         | 4.921 | 4.857 | 4.947 | VV | 4747  | 136288 | 2.79% | 0.072% |
| 41         | 4.970 | 4.947 | 4.982 | VV | 4679  | 60529  | 1.24% | 0.032% |
| 42         | 4.996 | 4.982 | 5.011 | VV | 6749  | 75912  | 1.55% | 0.040% |
| 43         | 5.019 | 5.011 | 5.064 | VV | 3343  | 70462  | 1.44% | 0.037% |
| 44         | 5.088 | 5.064 | 5.098 | VV | 1716  | 25312  | 0.52% | 0.013% |
| 45         | 5.114 | 5.098 | 5.131 | VV | 2218  | 35811  | 0.73% | 0.019% |
| 46         | 5.141 | 5.131 | 5.154 | VV | 2095  | 26313  | 0.54% | 0.014% |
| 47         | 5.178 | 5.154 | 5.192 | VV | 2595  | 49239  | 1.01% | 0.026% |
| 48         | 5.205 | 5.192 | 5.222 | VV | 3881  | 49254  | 1.01% | 0.026% |
| 49         | 5.232 | 5.222 | 5.251 | VV | 2078  | 27066  | 0.55% | 0.014% |
| 50         | 5.265 | 5.251 | 5.284 | VV | 1496  | 23685  | 0.48% | 0.013% |
| 51         | 5.337 | 5.284 | 5.424 | VV | 5246  | 189000 | 3.87% | 0.100% |
| 52         | 5.440 | 5.424 | 5.472 | VV | 1278  | 25746  | 0.53% | 0.014% |
| 53         | 5.496 | 5.472 | 5.526 | VV | 6193  | 93027  | 1.90% | 0.049% |
| 54         | 5.597 | 5.526 | 5.635 | VV | 4441  | 143242 | 2.93% | 0.076% |
| 55         | 5.648 | 5.635 | 5.672 | VV | 2193  | 34669  | 0.71% | 0.018% |
| 56         | 5.685 | 5.672 | 5.699 | VV | 1530  | 20268  | 0.41% | 0.011% |
| 57         | 5.715 | 5.699 | 5.748 | VV | 1536  | 30789  | 0.63% | 0.016% |
| 58         | 5.773 | 5.748 | 5.790 | PV | 1844  | 24904  | 0.51% | 0.013% |
| 59         | 5.824 | 5.790 | 5.838 | VV | 2712  | 47001  | 0.96% | 0.025% |
| 60         | 5.859 | 5.838 | 5.899 | VV | 19863 | 247843 | 5.07% | 0.131% |
| 61         | 5.907 | 5.899 | 5.933 | VV | 2341  | 34214  | 0.70% | 0.018% |
| 62         | 5.957 | 5.933 | 5.976 | VV | 2425  | 37227  | 0.76% | 0.020% |
| 63         | 5.998 | 5.976 | 6.022 | VV | 2518  | 49125  | 1.01% | 0.026% |
| 64         | 6.036 | 6.022 | 6.061 | VV | 2151  | 38476  | 0.79% | 0.020% |
| 65         | 6.077 | 6.061 | 6.089 | VV | 1801  | 22328  | 0.46% | 0.012% |
| 66         | 6.102 | 6.089 | 6.115 | VV | 1682  | 22914  | 0.47% | 0.012% |
| 67         | 6.130 | 6.115 | 6.159 | VV | 1556  | 33020  | 0.68% | 0.017% |
| 68         | 6.176 | 6.159 | 6.189 | VV | 1350  | 20522  | 0.42% | 0.011% |
| 69         | 6.220 | 6.189 | 6.236 | VV | 1881  | 37471  | 0.77% | 0.020% |
| 70         | 6.246 | 6.236 | 6.277 | VV | 1688  | 27285  | 0.56% | 0.014% |
| 71         | 6.297 | 6.277 | 6.352 | VV | 1972  | 41018  | 0.84% | 0.022% |
| 72         | 6.381 | 6.352 | 6.392 | VV | 1002  | 14694  | 0.30% | 0.008% |
| 73         | 6.419 | 6.392 | 6.431 | VV | 1217  | 21240  | 0.43% | 0.011% |
| 74         | 6.445 | 6.431 | 6.467 | VV | 2952  | 38963  | 0.80% | 0.021% |
| 75         | 6.482 | 6.467 | 6.505 | VV | 2291  | 28147  | 0.58% | 0.015% |
| 76         | 6.517 | 6.505 | 6.529 | VV | 466   | 4626   | 0.09% | 0.002% |
| 77         | 6.568 | 6.529 | 6.587 | VV | 1205  | 23964  | 0.49% | 0.013% |
| 78         | 6.611 | 6.587 | 6.636 | VV | 1410  | 26192  | 0.54% | 0.014% |
| 79         | 6.651 | 6.636 | 6.661 | VV | 833   | 10188  | 0.21% | 0.005% |
| 80         | 6.688 | 6.661 | 6.707 | VV | 1765  | 27235  | 0.56% | 0.014% |
| 81         | 6.718 | 6.707 | 6.729 | VV | 668   | 7163   | 0.15% | 0.004% |
| 82         | 6.751 | 6.729 | 6.767 | VV | 1080  | 17009  | 0.35% | 0.009% |
| 83         | 6.786 | 6.767 | 6.795 | VV | 1245  | 16330  | 0.33% | 0.009% |
| 84         | 6.814 | 6.795 | 6.834 | VV | 2582  | 35851  | 0.73% | 0.019% |
| 85         | 6.851 | 6.834 | 6.877 | VV | 2120  | 32507  | 0.67% | 0.017% |
| 86         | 6.909 | 6.877 | 6.942 | VV | 19760 | 240423 | 4.92% | 0.127% |
| 87         | 6.951 | 6.942 | 6.972 | VV | 1589  | 22431  | 0.46% | 0.012% |
| 88         | 6.997 | 6.972 | 7.022 | VV | 4538  | 73823  | 1.51% | 0.039% |
| 89         | 7.042 | 7.022 | 7.071 | VV | 24166 | 254560 | 5.21% | 0.135% |

|            |       |       |       |    |        |         |         |        |
|------------|-------|-------|-------|----|--------|---------|---------|--------|
| rteres.txt |       |       |       |    |        |         |         |        |
| 90         | 7.091 | 7.071 | 7.146 | VV | 1854   | 45954   | 0.94%   | 0.024% |
| 91         | 7.189 | 7.146 | 7.197 | VV | 1186   | 28846   | 0.59%   | 0.015% |
| 92         | 7.216 | 7.197 | 7.239 | VV | 2890   | 39508   | 0.81%   | 0.021% |
| 93         | 7.269 | 7.239 | 7.321 | VV | 987    | 32352   | 0.66%   | 0.017% |
| 94         | 7.345 | 7.321 | 7.359 | VV | 867    | 13611   | 0.28%   | 0.007% |
| 95         | 7.388 | 7.359 | 7.419 | VV | 2157   | 39104   | 0.80%   | 0.021% |
| 96         | 7.435 | 7.419 | 7.454 | VV | 846    | 9410    | 0.19%   | 0.005% |
| 97         | 7.520 | 7.454 | 7.607 | PV | 482904 | 4887727 | 100.00% | 2.589% |
| 98         | 7.633 | 7.607 | 7.657 | VV | 6072   | 99164   | 2.03%   | 0.053% |
| 99         | 7.667 | 7.657 | 7.708 | VV | 2415   | 51452   | 1.05%   | 0.027% |
| 100        | 7.731 | 7.708 | 7.752 | VV | 2007   | 34727   | 0.71%   | 0.018% |
| 101        | 7.786 | 7.752 | 7.806 | VV | 5140   | 90776   | 1.86%   | 0.048% |
| 102        | 7.814 | 7.806 | 7.824 | VV | 2561   | 26049   | 0.53%   | 0.014% |
| 103        | 7.832 | 7.824 | 7.844 | VV | 2323   | 25778   | 0.53%   | 0.014% |
| 104        | 7.898 | 7.844 | 7.938 | VV | 10901  | 290036  | 5.93%   | 0.154% |
| 105        | 7.955 | 7.938 | 7.969 | VV | 2739   | 41955   | 0.86%   | 0.022% |
| 106        | 7.998 | 7.969 | 8.015 | VV | 25182  | 298203  | 6.10%   | 0.158% |
| 107        | 8.026 | 8.015 | 8.046 | VV | 11497  | 133319  | 2.73%   | 0.071% |
| 108        | 8.057 | 8.046 | 8.067 | VV | 3174   | 39023   | 0.80%   | 0.021% |
| 109        | 8.081 | 8.067 | 8.104 | VV | 4654   | 61482   | 1.26%   | 0.033% |
| 110        | 8.148 | 8.104 | 8.166 | VV | 9609   | 193932  | 3.97%   | 0.103% |
| 111        | 8.177 | 8.166 | 8.213 | VV | 10791  | 157192  | 3.22%   | 0.083% |
| 112        | 8.234 | 8.213 | 8.251 | VV | 4706   | 61874   | 1.27%   | 0.033% |
| 113        | 8.270 | 8.251 | 8.306 | VV | 7169   | 97862   | 2.00%   | 0.052% |
| 114        | 8.320 | 8.306 | 8.344 | VV | 1566   | 25524   | 0.52%   | 0.014% |
| 115        | 8.378 | 8.344 | 8.449 | VV | 315888 | 3442969 | 70.44%  | 1.824% |
| 116        | 8.473 | 8.449 | 8.507 | VV | 35139  | 421770  | 8.63%   | 0.223% |
| 117        | 8.526 | 8.507 | 8.559 | VV | 7509   | 121790  | 2.49%   | 0.065% |
| 118        | 8.591 | 8.559 | 8.604 | VV | 4526   | 82827   | 1.69%   | 0.044% |
| 119        | 8.617 | 8.604 | 8.652 | VV | 5147   | 87981   | 1.80%   | 0.047% |
| 120        | 8.665 | 8.652 | 8.681 | VV | 2325   | 29938   | 0.61%   | 0.016% |
| 121        | 8.714 | 8.681 | 8.729 | VV | 8386   | 133015  | 2.72%   | 0.070% |
| 122        | 8.747 | 8.729 | 8.773 | VV | 20055  | 251636  | 5.15%   | 0.133% |
| 123        | 8.789 | 8.773 | 8.800 | VV | 4310   | 57901   | 1.18%   | 0.031% |
| 124        | 8.816 | 8.800 | 8.829 | VV | 4072   | 63117   | 1.29%   | 0.033% |
| 125        | 8.837 | 8.829 | 8.866 | VV | 3507   | 54486   | 1.11%   | 0.029% |
| 126        | 8.885 | 8.866 | 8.909 | VV | 8050   | 145132  | 2.97%   | 0.077% |
| 127        | 8.923 | 8.909 | 8.971 | VV | 10646  | 152341  | 3.12%   | 0.081% |
| 128        | 8.986 | 8.971 | 9.014 | VV | 1533   | 25494   | 0.52%   | 0.014% |
| 129        | 9.038 | 9.014 | 9.055 | VV | 9687   | 114808  | 2.35%   | 0.061% |
| 130        | 9.070 | 9.055 | 9.106 | VV | 6835   | 88756   | 1.82%   | 0.047% |
| 131        | 9.119 | 9.106 | 9.136 | VV | 2340   | 30625   | 0.63%   | 0.016% |
| 132        | 9.173 | 9.136 | 9.196 | VV | 8399   | 143642  | 2.94%   | 0.076% |
| 133        | 9.253 | 9.196 | 9.309 | VV | 49107  | 704725  | 14.42%  | 0.373% |
| 134        | 9.334 | 9.309 | 9.351 | VV | 8826   | 115014  | 2.35%   | 0.061% |
| 135        | 9.372 | 9.351 | 9.386 | VV | 4599   | 78322   | 1.60%   | 0.041% |
| 136        | 9.403 | 9.386 | 9.422 | VV | 9862   | 133444  | 2.73%   | 0.071% |
| 137        | 9.434 | 9.422 | 9.445 | VV | 4707   | 51854   | 1.06%   | 0.027% |
| 138        | 9.462 | 9.445 | 9.487 | VV | 7923   | 112700  | 2.31%   | 0.060% |
| 139        | 9.510 | 9.487 | 9.542 | VV | 2398   | 53134   | 1.09%   | 0.028% |
| 140        | 9.575 | 9.542 | 9.621 | VV | 8567   | 169691  | 3.47%   | 0.090% |
| 141        | 9.628 | 9.621 | 9.646 | VV | 3318   | 38335   | 0.78%   | 0.020% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 142        | 9.675  | 9.646  | 9.721  | VV | 14824  | 241900  | 4.95%  | 0.128% |
| 143        | 9.735  | 9.721  | 9.757  | VV | 2759   | 39335   | 0.80%  | 0.021% |
| 144        | 9.774  | 9.757  | 9.812  | VV | 2089   | 36066   | 0.74%  | 0.019% |
| 145        | 9.838  | 9.812  | 9.892  | VV | 2485   | 47280   | 0.97%  | 0.025% |
|            |        |        |        |    |        |         |        |        |
| 146        | 9.940  | 9.892  | 9.967  | PV | 1461   | 29676   | 0.61%  | 0.016% |
| 147        | 9.996  | 9.967  | 10.029 | VV | 3468   | 49591   | 1.01%  | 0.026% |
| 148        | 10.061 | 10.029 | 10.081 | VV | 3225   | 60499   | 1.24%  | 0.032% |
| 149        | 10.130 | 10.081 | 10.152 | VV | 16080  | 296091  | 6.06%  | 0.157% |
| 150        | 10.169 | 10.152 | 10.221 | VV | 10792  | 167995  | 3.44%  | 0.089% |
|            |        |        |        |    |        |         |        |        |
| 151        | 10.247 | 10.221 | 10.282 | VV | 11797  | 190007  | 3.89%  | 0.101% |
| 152        | 10.302 | 10.282 | 10.322 | VV | 8480   | 132056  | 2.70%  | 0.070% |
| 153        | 10.334 | 10.322 | 10.356 | VV | 4349   | 67607   | 1.38%  | 0.036% |
| 154        | 10.382 | 10.356 | 10.392 | VV | 2667   | 47609   | 0.97%  | 0.025% |
| 155        | 10.413 | 10.392 | 10.429 | VV | 11595  | 152731  | 3.12%  | 0.081% |
|            |        |        |        |    |        |         |        |        |
| 156        | 10.451 | 10.429 | 10.472 | VV | 23229  | 330841  | 6.77%  | 0.175% |
| 157        | 10.481 | 10.472 | 10.506 | VV | 6339   | 83516   | 1.71%  | 0.044% |
| 158        | 10.547 | 10.506 | 10.567 | VV | 3168   | 79041   | 1.62%  | 0.042% |
| 159        | 10.585 | 10.567 | 10.597 | VV | 817    | 9462    | 0.19%  | 0.005% |
| 160        | 10.647 | 10.597 | 10.696 | VV | 256248 | 2912062 | 59.58% | 1.542% |
|            |        |        |        |    |        |         |        |        |
| 161        | 10.720 | 10.696 | 10.773 | VV | 47245  | 624089  | 12.77% | 0.331% |
| 162        | 10.799 | 10.773 | 10.847 | VV | 2556   | 70283   | 1.44%  | 0.037% |
| 163        | 10.862 | 10.847 | 10.882 | VV | 1663   | 16300   | 0.33%  | 0.009% |
| 164        | 10.944 | 10.882 | 10.979 | PV | 9440   | 199590  | 4.08%  | 0.106% |
| 165        | 11.003 | 10.979 | 11.022 | VV | 3493   | 61524   | 1.26%  | 0.033% |
|            |        |        |        |    |        |         |        |        |
| 166        | 11.040 | 11.022 | 11.059 | VV | 4461   | 58236   | 1.19%  | 0.031% |
| 167        | 11.075 | 11.059 | 11.091 | VV | 3814   | 46855   | 0.96%  | 0.025% |
| 168        | 11.111 | 11.091 | 11.145 | VV | 8596   | 144020  | 2.95%  | 0.076% |
| 169        | 11.168 | 11.145 | 11.219 | VV | 18878  | 350699  | 7.18%  | 0.186% |
| 170        | 11.241 | 11.219 | 11.272 | VV | 3730   | 70209   | 1.44%  | 0.037% |
|            |        |        |        |    |        |         |        |        |
| 171        | 11.297 | 11.272 | 11.322 | VV | 15674  | 184733  | 3.78%  | 0.098% |
| 172        | 11.339 | 11.322 | 11.359 | VV | 3136   | 34573   | 0.71%  | 0.018% |
| 173        | 11.418 | 11.359 | 11.461 | PV | 285251 | 3690342 | 75.50% | 1.955% |
| 174        | 11.476 | 11.461 | 11.521 | VV | 52078  | 612782  | 12.54% | 0.325% |
| 175        | 11.558 | 11.521 | 11.576 | VV | 44346  | 650871  | 13.32% | 0.345% |
|            |        |        |        |    |        |         |        |        |
| 176        | 11.593 | 11.576 | 11.608 | VV | 34467  | 399592  | 8.18%  | 0.212% |
| 177        | 11.623 | 11.608 | 11.686 | VV | 41052  | 515843  | 10.55% | 0.273% |
| 178        | 11.708 | 11.686 | 11.724 | PV | 1766   | 23421   | 0.48%  | 0.012% |
| 179        | 11.778 | 11.724 | 11.796 | VV | 10051  | 198423  | 4.06%  | 0.105% |
| 180        | 11.835 | 11.796 | 11.874 | VV | 7744   | 215318  | 4.41%  | 0.114% |
|            |        |        |        |    |        |         |        |        |
| 181        | 11.917 | 11.874 | 11.934 | VV | 18602  | 241344  | 4.94%  | 0.128% |
| 182        | 11.944 | 11.934 | 11.957 | VV | 7174   | 81838   | 1.67%  | 0.043% |
| 183        | 11.976 | 11.957 | 11.997 | VV | 12252  | 183180  | 3.75%  | 0.097% |
| 184        | 12.021 | 11.997 | 12.047 | VV | 30414  | 433890  | 8.88%  | 0.230% |
| 185        | 12.061 | 12.047 | 12.076 | VV | 7388   | 108003  | 2.21%  | 0.057% |
|            |        |        |        |    |        |         |        |        |
| 186        | 12.092 | 12.076 | 12.106 | VV | 7258   | 100076  | 2.05%  | 0.053% |
| 187        | 12.123 | 12.106 | 12.149 | VV | 7383   | 143305  | 2.93%  | 0.076% |
| 188        | 12.167 | 12.149 | 12.174 | VV | 6717   | 82285   | 1.68%  | 0.044% |
| 189        | 12.190 | 12.174 | 12.213 | VV | 10338  | 177389  | 3.63%  | 0.094% |
| 190        | 12.233 | 12.213 | 12.272 | VV | 15108  | 292595  | 5.99%  | 0.155% |
|            |        |        |        |    |        |         |        |        |
| 191        | 12.341 | 12.272 | 12.362 | VV | 42786  | 668036  | 13.67% | 0.354% |
| 192        | 12.378 | 12.362 | 12.393 | VV | 16994  | 240328  | 4.92%  | 0.127% |
| 193        | 12.411 | 12.393 | 12.430 | VV | 20362  | 329576  | 6.74%  | 0.175% |
| 194        | 12.456 | 12.430 | 12.499 | VV | 213214 | 2592538 | 53.04% | 1.373% |

|            |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| rteres.txt |        |        |        |    |        |         |        |        |
| 195        | 12.514 | 12.499 | 12.537 | VV | 3426   | 52829   | 1.08%  | 0.028% |
| 196        | 12.556 | 12.537 | 12.570 | VV | 3875   | 54624   | 1.12%  | 0.029% |
| 197        | 12.588 | 12.570 | 12.602 | VV | 7150   | 92280   | 1.89%  | 0.049% |
| 198        | 12.641 | 12.602 | 12.659 | VV | 15128  | 275348  | 5.63%  | 0.146% |
| 199        | 12.677 | 12.659 | 12.685 | VV | 6717   | 90834   | 1.86%  | 0.048% |
| 200        | 12.694 | 12.685 | 12.722 | VV | 6790   | 114206  | 2.34%  | 0.060% |
| 201        | 12.752 | 12.722 | 12.781 | VV | 211183 | 2401384 | 49.13% | 1.272% |
| 202        | 12.808 | 12.781 | 12.822 | VV | 16664  | 268178  | 5.49%  | 0.142% |
| 203        | 12.857 | 12.822 | 12.882 | VV | 208872 | 2935567 | 60.06% | 1.555% |
| 204        | 12.898 | 12.882 | 12.916 | VV | 18846  | 243941  | 4.99%  | 0.129% |
| 205        | 12.928 | 12.916 | 12.982 | VV | 9325   | 214009  | 4.38%  | 0.113% |
| 206        | 13.026 | 12.982 | 13.060 | PV | 17415  | 325607  | 6.66%  | 0.172% |
| 207        | 13.084 | 13.060 | 13.127 | VV | 13929  | 267653  | 5.48%  | 0.142% |
| 208        | 13.150 | 13.127 | 13.164 | VV | 9230   | 112093  | 2.29%  | 0.059% |
| 209        | 13.177 | 13.164 | 13.191 | VV | 7772   | 107299  | 2.20%  | 0.057% |
| 210        | 13.211 | 13.191 | 13.232 | VV | 19549  | 325270  | 6.65%  | 0.172% |
| 211        | 13.249 | 13.232 | 13.291 | VV | 15836  | 287374  | 5.88%  | 0.152% |
| 212        | 13.339 | 13.291 | 13.372 | VV | 49038  | 844203  | 17.27% | 0.447% |
| 213        | 13.388 | 13.372 | 13.419 | VV | 5799   | 127645  | 2.61%  | 0.068% |
| 214        | 13.448 | 13.419 | 13.467 | VV | 32229  | 465752  | 9.53%  | 0.247% |
| 215        | 13.484 | 13.467 | 13.506 | VV | 28655  | 377818  | 7.73%  | 0.200% |
| 216        | 13.522 | 13.506 | 13.554 | VV | 8994   | 167846  | 3.43%  | 0.089% |
| 217        | 13.612 | 13.554 | 13.634 | VV | 38044  | 642354  | 13.14% | 0.340% |
| 218        | 13.654 | 13.634 | 13.711 | VV | 24211  | 357251  | 7.31%  | 0.189% |
| 219        | 13.725 | 13.711 | 13.774 | VV | 2616   | 54865   | 1.12%  | 0.029% |
| 220        | 13.801 | 13.774 | 13.830 | PV | 2787   | 53975   | 1.10%  | 0.029% |
| 221        | 13.842 | 13.830 | 13.887 | VV | 2507   | 46129   | 0.94%  | 0.024% |
| 222        | 13.906 | 13.887 | 13.917 | PV | 1573   | 20270   | 0.41%  | 0.011% |
| 223        | 13.923 | 13.917 | 13.937 | VV | 1463   | 14450   | 0.30%  | 0.008% |
| 224        | 13.966 | 13.937 | 13.987 | VV | 4371   | 82417   | 1.69%  | 0.044% |
| 225        | 14.037 | 13.987 | 14.057 | VV | 12531  | 315180  | 6.45%  | 0.167% |
| 226        | 14.070 | 14.057 | 14.089 | VV | 12426  | 168758  | 3.45%  | 0.089% |
| 227        | 14.099 | 14.089 | 14.121 | VV | 6672   | 87709   | 1.79%  | 0.046% |
| 228        | 14.171 | 14.121 | 14.201 | VV | 19715  | 452139  | 9.25%  | 0.239% |
| 229        | 14.211 | 14.201 | 14.226 | VV | 6850   | 85374   | 1.75%  | 0.045% |
| 230        | 14.248 | 14.226 | 14.291 | VV | 20772  | 437439  | 8.95%  | 0.232% |
| 231        | 14.311 | 14.291 | 14.332 | VV | 35528  | 427984  | 8.76%  | 0.227% |
| 232        | 14.343 | 14.332 | 14.355 | VV | 5896   | 67430   | 1.38%  | 0.036% |
| 233        | 14.374 | 14.355 | 14.411 | VV | 9862   | 166215  | 3.40%  | 0.088% |
| 234        | 14.436 | 14.411 | 14.454 | VV | 7021   | 117775  | 2.41%  | 0.062% |
| 235        | 14.471 | 14.454 | 14.482 | VV | 6593   | 95148   | 1.95%  | 0.050% |
| 236        | 14.493 | 14.482 | 14.532 | VV | 7224   | 134951  | 2.76%  | 0.071% |
| 237        | 14.575 | 14.532 | 14.590 | PV | 4500   | 73367   | 1.50%  | 0.039% |
| 238        | 14.623 | 14.590 | 14.641 | VV | 81141  | 1046872 | 21.42% | 0.554% |
| 239        | 14.661 | 14.641 | 14.692 | VV | 92386  | 1259640 | 25.77% | 0.667% |
| 240        | 14.709 | 14.692 | 14.734 | VV | 14497  | 182639  | 3.74%  | 0.097% |
| 241        | 14.781 | 14.734 | 14.805 | VV | 22284  | 349418  | 7.15%  | 0.185% |
| 242        | 14.825 | 14.805 | 14.841 | VV | 10201  | 156202  | 3.20%  | 0.083% |
| 243        | 14.849 | 14.841 | 14.895 | VV | 5477   | 117363  | 2.40%  | 0.062% |
| 244        | 14.933 | 14.895 | 14.974 | PV | 11081  | 276977  | 5.67%  | 0.147% |
| 245        | 14.984 | 14.974 | 15.017 | VV | 5582   | 103063  | 2.11%  | 0.055% |
| 246        | 15.036 | 15.017 | 15.051 | VV | 6906   | 96468   | 1.97%  | 0.051% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 247 | 15.087 | 15.051 | 15.150 | VV | 19517      | 529627  | 10.84% | 0.281% |
| 248 | 15.172 | 15.150 | 15.184 | VV | 3411       | 43975   | 0.90%  | 0.023% |
| 249 | 15.226 | 15.184 | 15.266 | VV | 13193      | 357717  | 7.32%  | 0.189% |
| 250 | 15.294 | 15.266 | 15.316 | VV | 35475      | 517180  | 10.58% | 0.274% |
| 251 | 15.331 | 15.316 | 15.361 | VV | 16601      | 291639  | 5.97%  | 0.154% |
| 252 | 15.372 | 15.361 | 15.387 | VV | 8914       | 101634  | 2.08%  | 0.054% |
| 253 | 15.455 | 15.387 | 15.506 | VV | 22935      | 771548  | 15.79% | 0.409% |
| 254 | 15.533 | 15.506 | 15.554 | VV | 8175       | 163864  | 3.35%  | 0.087% |
| 255 | 15.570 | 15.554 | 15.577 | VV | 5676       | 65492   | 1.34%  | 0.035% |
| 256 | 15.590 | 15.577 | 15.607 | VV | 7410       | 97697   | 2.00%  | 0.052% |
| 257 | 15.621 | 15.607 | 15.641 | VV | 10721      | 134778  | 2.76%  | 0.071% |
| 258 | 15.658 | 15.641 | 15.678 | VV | 7283       | 110069  | 2.25%  | 0.058% |
| 259 | 15.727 | 15.678 | 15.757 | VV | 21145      | 479106  | 9.80%  | 0.254% |
| 260 | 15.787 | 15.757 | 15.802 | VV | 5956       | 133789  | 2.74%  | 0.071% |
| 261 | 15.822 | 15.802 | 15.856 | VV | 5052       | 111377  | 2.28%  | 0.059% |
| 262 | 15.898 | 15.856 | 15.942 | VV | 12778      | 429014  | 8.78%  | 0.227% |
| 263 | 16.000 | 15.942 | 16.022 | VV | 14974      | 460372  | 9.42%  | 0.244% |
| 264 | 16.060 | 16.022 | 16.076 | VV | 12140      | 336809  | 6.89%  | 0.178% |
| 265 | 16.097 | 16.076 | 16.133 | VV | 20124      | 449342  | 9.19%  | 0.238% |
| 266 | 16.175 | 16.133 | 16.192 | VV | 79584      | 1372369 | 28.08% | 0.727% |
| 267 | 16.203 | 16.192 | 16.242 | VV | 50510      | 831817  | 17.02% | 0.441% |
| 268 | 16.304 | 16.242 | 16.344 | VV | 28247      | 991920  | 20.29% | 0.525% |
| 269 | 16.359 | 16.344 | 16.384 | VV | 19360      | 390918  | 8.00%  | 0.207% |
| 270 | 16.404 | 16.384 | 16.421 | VV | 19227      | 352440  | 7.21%  | 0.187% |
| 271 | 16.428 | 16.421 | 16.445 | VV | 15482      | 211376  | 4.32%  | 0.112% |
| 272 | 16.493 | 16.445 | 16.526 | VV | 64686      | 1508435 | 30.86% | 0.799% |
| 273 | 16.550 | 16.526 | 16.596 | VV | 78377      | 1428335 | 29.22% | 0.757% |
| 274 | 16.675 | 16.596 | 16.701 | VV | 42853      | 1623078 | 33.21% | 0.860% |
| 275 | 16.715 | 16.701 | 16.736 | VV | 25431      | 455136  | 9.31%  | 0.241% |
| 276 | 16.761 | 16.736 | 16.773 | VV | 22598      | 450115  | 9.21%  | 0.238% |
| 277 | 16.804 | 16.773 | 16.829 | VV | 24144      | 767469  | 15.70% | 0.406% |
| 278 | 16.849 | 16.829 | 16.871 | VV | 27682      | 618743  | 12.66% | 0.328% |
| 279 | 16.917 | 16.871 | 16.944 | VV | 33707      | 1300655 | 26.61% | 0.689% |
| 280 | 16.960 | 16.944 | 16.994 | VV | 31436      | 819204  | 16.76% | 0.434% |
| 281 | 17.003 | 16.994 | 17.025 | VV | 26568      | 460657  | 9.42%  | 0.244% |
| 282 | 17.049 | 17.025 | 17.097 | VV | 41390      | 1386166 | 28.36% | 0.734% |
| 283 | 17.125 | 17.097 | 17.159 | VV | 41574      | 1205084 | 24.66% | 0.638% |
| 284 | 17.173 | 17.159 | 17.190 | VV | 28834      | 492430  | 10.07% | 0.261% |
| 285 | 17.213 | 17.190 | 17.242 | VV | 39364      | 930026  | 19.03% | 0.493% |
| 286 | 17.280 | 17.242 | 17.300 | VV | 30841      | 917337  | 18.77% | 0.486% |
| 287 | 17.318 | 17.300 | 17.360 | VV | 26478      | 833806  | 17.06% | 0.442% |
| 288 | 17.396 | 17.360 | 17.415 | VV | 27373      | 781459  | 15.99% | 0.414% |
| 289 | 17.435 | 17.415 | 17.452 | VV | 30955      | 580807  | 11.88% | 0.308% |
| 290 | 17.473 | 17.452 | 17.488 | VV | 32151      | 640585  | 13.11% | 0.339% |
| 291 | 17.506 | 17.488 | 17.516 | VV | 37981      | 554748  | 11.35% | 0.294% |
| 292 | 17.521 | 17.516 | 17.528 | VV | 36645      | 255517  | 5.23%  | 0.135% |
| 293 | 17.549 | 17.528 | 17.601 | VV | 50603      | 1617036 | 33.08% | 0.856% |
| 294 | 17.613 | 17.601 | 17.627 | VV | 28003      | 422032  | 8.63%  | 0.224% |
| 295 | 17.643 | 17.627 | 17.661 | VV | 33157      | 602124  | 12.32% | 0.319% |
| 296 | 17.682 | 17.661 | 17.703 | VV | 58145      | 1199712 | 24.55% | 0.635% |
| 297 | 17.713 | 17.703 | 17.762 | VV | 43938      | 1235359 | 25.27% | 0.654% |
| 298 | 17.779 | 17.762 | 17.793 | VV | 30251      | 519785  | 10.63% | 0.275% |
| 299 | 17.830 | 17.793 | 17.847 | VV | 39445      | 1043629 | 21.35% | 0.553% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 300 | 17.863 | 17.847 | 17.884 | VV | 36371      | 755553  | 15.46% | 0.400% |
| 301 | 17.919 | 17.884 | 17.952 | VV | 71786      | 1901515 | 38.90% | 1.007% |
| 302 | 17.977 | 17.952 | 18.012 | VV | 49612      | 1432892 | 29.32% | 0.759% |
| 303 | 18.051 | 18.012 | 18.151 | VV | 68052      | 3201611 | 65.50% | 1.696% |
| 304 | 18.172 | 18.151 | 18.217 | VV | 69422      | 1723740 | 35.27% | 0.913% |
| 305 | 18.223 | 18.217 | 18.232 | VV | 33489      | 287251  | 5.88%  | 0.152% |
| 306 | 18.253 | 18.232 | 18.269 | VV | 40454      | 771228  | 15.78% | 0.408% |
| 307 | 18.304 | 18.269 | 18.326 | VV | 44507      | 1322474 | 27.06% | 0.700% |
| 308 | 18.388 | 18.326 | 18.415 | VV | 53157      | 2065110 | 42.25% | 1.094% |
| 309 | 18.425 | 18.415 | 18.443 | VV | 32749      | 503392  | 10.30% | 0.267% |
| 310 | 18.474 | 18.443 | 18.491 | VV | 50646      | 1149984 | 23.53% | 0.609% |
| 311 | 18.522 | 18.491 | 18.564 | VV | 54158      | 1792540 | 36.67% | 0.949% |
| 312 | 18.609 | 18.564 | 18.617 | VV | 43249      | 1168396 | 23.90% | 0.619% |
| 313 | 18.642 | 18.617 | 18.662 | VV | 43709      | 1100766 | 22.52% | 0.583% |
| 314 | 18.685 | 18.662 | 18.701 | VV | 43944      | 917695  | 18.78% | 0.486% |
| 315 | 18.717 | 18.701 | 18.729 | VV | 43928      | 693076  | 14.18% | 0.367% |
| 316 | 18.747 | 18.729 | 18.762 | VV | 49597      | 871345  | 17.83% | 0.462% |
| 317 | 18.786 | 18.762 | 18.841 | VV | 61261      | 2237021 | 45.77% | 1.185% |
| 318 | 18.866 | 18.841 | 18.942 | VV | 51436      | 2501215 | 51.17% | 1.325% |
| 319 | 18.984 | 18.942 | 19.001 | VV | 45807      | 1452104 | 29.71% | 0.769% |
| 320 | 19.041 | 19.001 | 19.052 | VV | 45418      | 1268383 | 25.95% | 0.672% |
| 321 | 19.069 | 19.052 | 19.087 | VV | 43225      | 847420  | 17.34% | 0.449% |
| 322 | 19.095 | 19.087 | 19.112 | VV | 43613      | 613564  | 12.55% | 0.325% |
| 323 | 19.130 | 19.112 | 19.139 | VV | 46337      | 670558  | 13.72% | 0.355% |
| 324 | 19.177 | 19.139 | 19.233 | VV | 66360      | 2886563 | 59.06% | 1.529% |
| 325 | 19.273 | 19.233 | 19.298 | VV | 55784      | 1825763 | 37.35% | 0.967% |
| 326 | 19.337 | 19.298 | 19.367 | VV | 53743      | 1944036 | 39.77% | 1.030% |
| 327 | 19.401 | 19.367 | 19.426 | VV | 57255      | 1693296 | 34.64% | 0.897% |
| 328 | 19.453 | 19.426 | 19.467 | VV | 49232      | 1108714 | 22.68% | 0.587% |
| 329 | 19.494 | 19.467 | 19.511 | VV | 58523      | 1387693 | 28.39% | 0.735% |
| 330 | 19.542 | 19.511 | 19.559 | VV | 72539      | 1781458 | 36.45% | 0.944% |
| 331 | 19.575 | 19.559 | 19.602 | VV | 64807      | 1602192 | 32.78% | 0.849% |
| 332 | 19.611 | 19.602 | 19.630 | VV | 61525      | 951287  | 19.46% | 0.504% |
| 333 | 19.645 | 19.630 | 19.659 | VV | 55960      | 933768  | 19.10% | 0.495% |
| 334 | 19.707 | 19.659 | 19.752 | VV | 66137      | 3277158 | 67.05% | 1.736% |
| 335 | 19.810 | 19.752 | 19.882 | VV | 71865      | 4884507 | 99.93% | 2.587% |
| 336 | 19.905 | 19.882 | 19.940 | VV | 74761      | 2202808 | 45.07% | 1.167% |
| 337 | 19.966 | 19.940 | 19.998 | VV | 64424      | 2018906 | 41.31% | 1.069% |
| 338 | 20.007 | 19.998 | 20.014 | VV | 61031      | 551613  | 11.29% | 0.292% |
| 339 | 20.039 | 20.014 | 20.052 | VV | 63524      | 1389020 | 28.42% | 0.736% |
| 340 | 20.070 | 20.052 | 20.084 | VV | 68795      | 1235246 | 25.27% | 0.654% |
| 341 | 20.105 | 20.084 | 20.119 | VV | 75632      | 1446904 | 29.60% | 0.766% |
| 342 | 20.137 | 20.119 | 20.178 | VV | 72131      | 2424391 | 49.60% | 1.284% |
| 343 | 20.191 | 20.178 | 20.217 | VV | 72177      | 1592651 | 32.58% | 0.844% |
| 344 | 20.262 | 20.217 | 20.293 | VV | 78751      | 3206934 | 65.61% | 1.699% |
| 345 | 20.302 | 20.293 | 20.319 | VV | 67402      | 1022318 | 20.92% | 0.541% |
| 346 | 20.369 | 20.319 | 20.412 | VV | 77409      | 3903797 | 79.87% | 2.068% |
| 347 | 20.422 | 20.412 | 20.442 | VV | 64486      | 1109808 | 22.71% | 0.588% |
| 348 | 20.452 | 20.442 | 20.513 | VV | 63306      | 2378373 | 48.66% | 1.260% |
| 349 | 20.528 | 20.513 | 20.537 | VV | 58008      | 791578  | 16.20% | 0.419% |
| 350 | 20.571 | 20.537 | 20.592 | VV | 55491      | 1743121 | 35.66% | 0.923% |
| 351 | 20.625 | 20.592 | 20.646 | VV | 64737      | 1847183 | 37.79% | 0.978% |

|     |        |        |        |    |                                   |         |        |        |
|-----|--------|--------|--------|----|-----------------------------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt                        |         |        |        |
| 352 | 20.667 | 20.646 | 20.688 | VV | 55081                             | 1268722 | 25.96% | 0.672% |
| 353 | 20.698 | 20.688 | 20.722 | VV | 47032                             | 924294  | 18.91% | 0.490% |
| 354 | 20.733 | 20.722 | 20.756 | VV | 44994                             | 833043  | 17.04% | 0.441% |
| 355 | 20.781 | 20.756 | 20.837 | VV | 43938                             | 1822229 | 37.28% | 0.965% |
| 356 | 20.866 | 20.837 | 20.896 | VV | 45147                             | 1335605 | 27.33% | 0.707% |
| 357 | 20.926 | 20.896 | 20.952 | VV | 45127                             | 1310487 | 26.81% | 0.694% |
| 358 | 20.975 | 20.952 | 20.987 | VV | 37610                             | 740837  | 15.16% | 0.392% |
| 359 | 21.014 | 20.987 | 21.096 | VV | 43653                             | 2081940 | 42.60% | 1.103% |
| 360 | 21.120 | 21.096 | 21.142 | VV | 27818                             | 662813  | 13.56% | 0.351% |
| 361 | 21.173 | 21.142 | 21.198 | VV | 26409                             | 756314  | 15.47% | 0.401% |
| 362 | 21.246 | 21.198 | 21.254 | VV | 27231                             | 780210  | 15.96% | 0.413% |
| 363 | 21.267 | 21.254 | 21.294 | VV | 27252                             | 535247  | 10.95% | 0.283% |
| 364 | 21.305 | 21.294 | 21.329 | VV | 21189                             | 368076  | 7.53%  | 0.195% |
| 365 | 21.335 | 21.329 | 21.374 | VV | 14795                             | 259104  | 5.30%  | 0.137% |
| 366 | 21.381 | 21.374 | 21.396 | VV | 7521                              | 89568   | 1.83%  | 0.047% |
| 367 | 21.405 | 21.396 | 21.431 | VV | 8549                              | 114703  | 2.35%  | 0.061% |
| 368 | 21.439 | 21.431 | 21.447 | VV | 2834                              | 24199   | 0.50%  | 0.013% |
| 369 | 21.458 | 21.447 | 21.466 | PV | 11080                             | 84636   | 1.73%  | 0.045% |
| 370 | 21.476 | 21.466 | 21.489 | VV | 13708                             | 122612  | 2.51%  | 0.065% |
| 371 | 21.518 | 21.489 | 21.529 | VV | 6808                              | 121944  | 2.49%  | 0.065% |
| 372 | 21.532 | 21.529 | 21.577 | VV | 6751                              | 99526   | 2.04%  | 0.053% |
|     |        |        |        |    | Sum of corrected areas: 188801712 |         |        |        |

Alaphatic EPH 082118.M Wed Aug 22 09:14:35 2018 RPT-1