

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100418AL\  
 Data File : FC036670.D  
 Signal(s) : FID1A.CH  
 Acq On : 04 Oct 2018 15:55  
 Sample : J5218-01MS  
 Misc :  
 ALS Vial : 6 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         | 3.191       | 3.152        | 3.272      | BV       | 408703         | 3461493      | 1.40%          | 0.044%        |
| 2         | 3.289       | 3.272        | 3.301      | VV       | 874            | 9389         | 0.00%          | 0.000%        |
| 3         | 3.315       | 3.301        | 3.352      | VV       | 975            | 14187        | 0.01%          | 0.000%        |
| 4         | 3.364       | 3.352        | 3.438      | VV       | 226            | 7164         | 0.00%          | 0.000%        |
| 5         | 3.468       | 3.438        | 3.477      | PV       | 462            | 4117         | 0.00%          | 0.000%        |
| 6         | 3.493       | 3.477        | 3.538      | VV       | 818            | 15106        | 0.01%          | 0.000%        |
| 7         | 3.556       | 3.538        | 3.579      | VV       | 765            | 10179        | 0.00%          | 0.000%        |
| 8         | 3.593       | 3.579        | 3.619      | VV       | 466            | 5391         | 0.00%          | 0.000%        |
| 9         | 3.637       | 3.619        | 3.659      | VV       | 1362           | 12993        | 0.01%          | 0.000%        |
| 10        | 3.681       | 3.659        | 3.729      | VV       | 357            | 8033         | 0.00%          | 0.000%        |
| 11        | 3.738       | 3.729        | 3.752      | VV       | 258            | 1965         | 0.00%          | 0.000%        |
| 12        | 3.761       | 3.752        | 3.782      | VV       | 179            | 2632         | 0.00%          | 0.000%        |
| 13        | 3.789       | 3.782        | 3.824      | VV       | 175            | 1972         | 0.00%          | 0.000%        |
| 14        | 3.860       | 3.824        | 3.894      | PV       | 3144           | 51313        | 0.02%          | 0.001%        |
| 15        | 3.907       | 3.894        | 3.937      | VV       | 727            | 13386        | 0.01%          | 0.000%        |
| 16        | 3.950       | 3.937        | 3.973      | VV       | 1291           | 12965        | 0.01%          | 0.000%        |
| 17        | 4.007       | 3.973        | 4.041      | PV       | 15645          | 153424       | 0.06%          | 0.002%        |
| 18        | 4.052       | 4.041        | 4.095      | VV       | 1536           | 28644        | 0.01%          | 0.000%        |
| 19        | 4.111       | 4.095        | 4.144      | VV       | 1258           | 15798        | 0.01%          | 0.000%        |
| 20        | 4.176       | 4.144        | 4.192      | VV       | 978            | 15429        | 0.01%          | 0.000%        |
| 21        | 4.205       | 4.192        | 4.227      | VV       | 655            | 9003         | 0.00%          | 0.000%        |
| 22        | 4.256       | 4.227        | 4.273      | VV       | 484763         | 4308661      | 1.74%          | 0.055%        |
| 23        | 4.291       | 4.273        | 4.340      | VV       | 542088         | 4868910      | 1.97%          | 0.062%        |
| 24        | 4.355       | 4.340        | 4.377      | VV       | 5817           | 68143        | 0.03%          | 0.001%        |
| 25        | 4.398       | 4.377        | 4.421      | VV       | 11885          | 135644       | 0.05%          | 0.002%        |
| 26        | 4.432       | 4.421        | 4.449      | VV       | 2272           | 28806        | 0.01%          | 0.000%        |
| 27        | 4.461       | 4.449        | 4.480      | VV       | 1222           | 19160        | 0.01%          | 0.000%        |
| 28        | 4.509       | 4.480        | 4.523      | VV       | 1601           | 28044        | 0.01%          | 0.000%        |
| 29        | 4.532       | 4.523        | 4.564      | VV       | 1120           | 15080        | 0.01%          | 0.000%        |
| 30        | 4.591       | 4.564        | 4.626      | VV       | 2579           | 50199        | 0.02%          | 0.001%        |
| 31        | 4.634       | 4.626        | 4.648      | VV       | 443            | 5728         | 0.00%          | 0.000%        |
| 32        | 4.677       | 4.648        | 4.694      | VV       | 2861           | 39675        | 0.02%          | 0.001%        |
| 33        | 4.719       | 4.694        | 4.751      | VV       | 5381           | 60262        | 0.02%          | 0.001%        |
| 34        | 4.775       | 4.751        | 4.786      | PV       | 740            | 9954         | 0.00%          | 0.000%        |
| 35        | 4.822       | 4.786        | 4.844      | VV       | 3930           | 63738        | 0.03%          | 0.001%        |
| 36        | 4.882       | 4.844        | 4.908      | VV       | 2686           | 65357        | 0.03%          | 0.001%        |

| rteres.txt |       |       |       |    |        |         |       |        |
|------------|-------|-------|-------|----|--------|---------|-------|--------|
| 37         | 4.939 | 4.908 | 4.948 | VV | 3405   | 52064   | 0.02% | 0.001% |
| 38         | 4.970 | 4.948 | 4.992 | VV | 6672   | 97829   | 0.04% | 0.001% |
| 39         | 5.014 | 4.992 | 5.024 | VV | 1592   | 26604   | 0.01% | 0.000% |
| 40         | 5.047 | 5.024 | 5.067 | VV | 21519  | 228846  | 0.09% | 0.003% |
| 41         | 5.076 | 5.067 | 5.082 | VV | 1961   | 15896   | 0.01% | 0.000% |
| 42         | 5.095 | 5.082 | 5.103 | VV | 2201   | 25289   | 0.01% | 0.000% |
| 43         | 5.150 | 5.103 | 5.182 | VV | 31718  | 396284  | 0.16% | 0.005% |
| 44         | 5.202 | 5.182 | 5.246 | VV | 12439  | 207177  | 0.08% | 0.003% |
| 45         | 5.258 | 5.246 | 5.268 | VV | 2638   | 28278   | 0.01% | 0.000% |
| 46         | 5.287 | 5.268 | 5.311 | VV | 7024   | 92660   | 0.04% | 0.001% |
| 47         | 5.327 | 5.311 | 5.337 | VV | 4740   | 51761   | 0.02% | 0.001% |
| 48         | 5.354 | 5.337 | 5.387 | VV | 13705  | 182635  | 0.07% | 0.002% |
| 49         | 5.426 | 5.387 | 5.452 | VV | 16803  | 279139  | 0.11% | 0.004% |
| 50         | 5.463 | 5.452 | 5.506 | VV | 3981   | 65196   | 0.03% | 0.001% |
| 51         | 5.524 | 5.506 | 5.539 | VV | 5678   | 64092   | 0.03% | 0.001% |
| 52         | 5.572 | 5.539 | 5.603 | VV | 11888  | 249756  | 0.10% | 0.003% |
| 53         | 5.621 | 5.603 | 5.642 | VV | 5387   | 65138   | 0.03% | 0.001% |
| 54         | 5.669 | 5.642 | 5.695 | VV | 8128   | 142934  | 0.06% | 0.002% |
| 55         | 5.709 | 5.695 | 5.734 | VV | 4696   | 59507   | 0.02% | 0.001% |
| 56         | 5.746 | 5.734 | 5.769 | VV | 1183   | 16793   | 0.01% | 0.000% |
| 57         | 5.825 | 5.769 | 5.853 | PV | 560922 | 5556536 | 2.25% | 0.070% |
| 58         | 5.867 | 5.853 | 5.907 | VV | 20365  | 264633  | 0.11% | 0.003% |
| 59         | 5.927 | 5.907 | 5.948 | VV | 30114  | 312520  | 0.13% | 0.004% |
| 60         | 5.981 | 5.948 | 6.000 | VV | 12734  | 193697  | 0.08% | 0.002% |
| 61         | 6.014 | 6.000 | 6.042 | VV | 8663   | 121086  | 0.05% | 0.002% |
| 62         | 6.053 | 6.042 | 6.067 | VV | 1911   | 17121   | 0.01% | 0.000% |
| 63         | 6.098 | 6.067 | 6.113 | VV | 2875   | 37403   | 0.02% | 0.000% |
| 64         | 6.140 | 6.113 | 6.174 | VV | 7847   | 141374  | 0.06% | 0.002% |
| 65         | 6.184 | 6.174 | 6.211 | VV | 1599   | 28381   | 0.01% | 0.000% |
| 66         | 6.223 | 6.211 | 6.236 | VV | 2139   | 19793   | 0.01% | 0.000% |
| 67         | 6.266 | 6.236 | 6.297 | VV | 502502 | 4908021 | 1.99% | 0.062% |
| 68         | 6.315 | 6.297 | 6.345 | VV | 9839   | 146176  | 0.06% | 0.002% |
| 69         | 6.383 | 6.345 | 6.400 | VV | 16735  | 283021  | 0.11% | 0.004% |
| 70         | 6.410 | 6.400 | 6.427 | VV | 7813   | 78784   | 0.03% | 0.001% |
| 71         | 6.446 | 6.427 | 6.466 | VV | 8688   | 99427   | 0.04% | 0.001% |
| 72         | 6.486 | 6.466 | 6.503 | VV | 7151   | 96846   | 0.04% | 0.001% |
| 73         | 6.526 | 6.503 | 6.577 | VV | 7629   | 144243  | 0.06% | 0.002% |
| 74         | 6.590 | 6.577 | 6.611 | VV | 955    | 8948    | 0.00% | 0.000% |
| 75         | 6.663 | 6.611 | 6.680 | PV | 8894   | 220194  | 0.09% | 0.003% |
| 76         | 6.701 | 6.680 | 6.722 | VV | 7525   | 136640  | 0.06% | 0.002% |
| 77         | 6.754 | 6.722 | 6.765 | VV | 16448  | 201944  | 0.08% | 0.003% |
| 78         | 6.776 | 6.765 | 6.800 | VV | 14522  | 202560  | 0.08% | 0.003% |
| 79         | 6.814 | 6.800 | 6.832 | VV | 5550   | 69820   | 0.03% | 0.001% |
| 80         | 6.876 | 6.832 | 6.935 | VV | 568863 | 5988311 | 2.42% | 0.076% |
| 81         | 6.949 | 6.935 | 6.966 | VV | 7190   | 92901   | 0.04% | 0.001% |
| 82         | 7.002 | 6.966 | 7.029 | VV | 20261  | 338485  | 0.14% | 0.004% |
| 83         | 7.079 | 7.029 | 7.121 | VV | 110145 | 1543499 | 0.62% | 0.020% |
| 84         | 7.137 | 7.121 | 7.153 | VV | 15262  | 222587  | 0.09% | 0.003% |
| 85         | 7.185 | 7.153 | 7.217 | VV | 30678  | 640251  | 0.26% | 0.008% |
| 86         | 7.244 | 7.217 | 7.280 | VV | 48005  | 845064  | 0.34% | 0.011% |
| 87         | 7.307 | 7.280 | 7.327 | VV | 37875  | 610552  | 0.25% | 0.008% |
| 88         | 7.348 | 7.327 | 7.361 | VV | 33930  | 546204  | 0.22% | 0.007% |
| 89         | 7.373 | 7.361 | 7.386 | VV | 30980  | 427115  | 0.17% | 0.005% |

| rteres.txt |        |        |        |    |        |          |       |        |
|------------|--------|--------|--------|----|--------|----------|-------|--------|
| 90         | 7.402  | 7.386  | 7.444  | VV | 57626  | 1004189  | 0.41% | 0.013% |
| 91         | 7.487  | 7.444  | 7.514  | VV | 577175 | 6563807  | 2.66% | 0.083% |
| 92         | 7.531  | 7.514  | 7.569  | VV | 60667  | 1420186  | 0.57% | 0.018% |
| 93         | 7.587  | 7.569  | 7.603  | VV | 45703  | 774699   | 0.31% | 0.010% |
| 94         | 7.614  | 7.603  | 7.632  | VV | 33985  | 537447   | 0.22% | 0.007% |
| 95         | 7.654  | 7.632  | 7.672  | VV | 73915  | 1173849  | 0.48% | 0.015% |
| 96         | 7.694  | 7.672  | 7.720  | VV | 73322  | 1597206  | 0.65% | 0.020% |
| 97         | 7.743  | 7.720  | 7.769  | VV | 157666 | 2520274  | 1.02% | 0.032% |
| 98         | 7.812  | 7.769  | 7.842  | VV | 92542  | 2737526  | 1.11% | 0.035% |
| 99         | 7.863  | 7.842  | 7.871  | VV | 98266  | 1431418  | 0.58% | 0.018% |
| 100        | 7.878  | 7.871  | 7.908  | VV | 98579  | 1564053  | 0.63% | 0.020% |
| 101        | 7.935  | 7.908  | 7.959  | VV | 97682  | 2003582  | 0.81% | 0.025% |
| 102        | 8.020  | 7.959  | 8.034  | VV | 113653 | 3494902  | 1.41% | 0.044% |
| 103        | 8.056  | 8.034  | 8.077  | VV | 556932 | 6955884  | 2.82% | 0.088% |
| 104        | 8.149  | 8.077  | 8.164  | VV | 628303 | 12216969 | 4.94% | 0.155% |
| 105        | 8.176  | 8.164  | 8.196  | VV | 267009 | 3499458  | 1.42% | 0.044% |
| 106        | 8.235  | 8.196  | 8.256  | VV | 171459 | 4271258  | 1.73% | 0.054% |
| 107        | 8.268  | 8.256  | 8.279  | VV | 100366 | 1240926  | 0.50% | 0.016% |
| 108        | 8.293  | 8.279  | 8.311  | VV | 104921 | 1693222  | 0.69% | 0.021% |
| 109        | 8.347  | 8.311  | 8.382  | VV | 403190 | 6698627  | 2.71% | 0.085% |
| 110        | 8.403  | 8.382  | 8.418  | VV | 79488  | 1423118  | 0.58% | 0.018% |
| 111        | 8.445  | 8.418  | 8.480  | VV | 649462 | 8534744  | 3.45% | 0.108% |
| 112        | 8.495  | 8.480  | 8.514  | VV | 60270  | 1042250  | 0.42% | 0.013% |
| 113        | 8.542  | 8.514  | 8.594  | VV | 67118  | 2341529  | 0.95% | 0.030% |
| 114        | 8.613  | 8.594  | 8.635  | VV | 69630  | 1233268  | 0.50% | 0.016% |
| 115        | 8.652  | 8.635  | 8.662  | VV | 43922  | 651866   | 0.26% | 0.008% |
| 116        | 8.701  | 8.662  | 8.737  | VV | 73323  | 2444153  | 0.99% | 0.031% |
| 117        | 8.789  | 8.737  | 8.805  | VV | 57337  | 1972323  | 0.80% | 0.025% |
| 118        | 8.830  | 8.805  | 8.867  | VV | 232559 | 3876190  | 1.57% | 0.049% |
| 119        | 8.887  | 8.867  | 8.933  | VV | 124923 | 2669765  | 1.08% | 0.034% |
| 120        | 8.962  | 8.933  | 8.981  | VV | 86015  | 1803800  | 0.73% | 0.023% |
| 121        | 9.005  | 8.981  | 9.024  | VV | 74640  | 1628744  | 0.66% | 0.021% |
| 122        | 9.057  | 9.024  | 9.087  | VV | 219046 | 4839621  | 1.96% | 0.061% |
| 123        | 9.126  | 9.087  | 9.177  | VV | 201454 | 5570649  | 2.25% | 0.071% |
| 124        | 9.193  | 9.177  | 9.202  | VV | 102738 | 1386139  | 0.56% | 0.018% |
| 125        | 9.224  | 9.202  | 9.246  | VV | 580098 | 7287737  | 2.95% | 0.092% |
| 126        | 9.264  | 9.246  | 9.288  | VV | 212274 | 3366608  | 1.36% | 0.043% |
| 127        | 9.313  | 9.288  | 9.354  | VV | 78118  | 2650105  | 1.07% | 0.034% |
| 128        | 9.363  | 9.354  | 9.377  | VV | 54709  | 736025   | 0.30% | 0.009% |
| 129        | 9.414  | 9.377  | 9.429  | VV | 97033  | 2213424  | 0.90% | 0.028% |
| 130        | 9.462  | 9.429  | 9.492  | VV | 118922 | 3505104  | 1.42% | 0.044% |
| 131        | 9.538  | 9.492  | 9.586  | VV | 283325 | 8107805  | 3.28% | 0.103% |
| 132        | 9.601  | 9.586  | 9.620  | VV | 124264 | 2334422  | 0.94% | 0.030% |
| 133        | 9.651  | 9.620  | 9.682  | VV | 604996 | 10628743 | 4.30% | 0.135% |
| 134        | 9.706  | 9.682  | 9.724  | VV | 356240 | 5771475  | 2.34% | 0.073% |
| 135        | 9.737  | 9.724  | 9.764  | VV | 163627 | 3598292  | 1.46% | 0.046% |
| 136        | 9.814  | 9.764  | 9.836  | VV | 556781 | 14125810 | 5.72% | 0.179% |
| 137        | 9.887  | 9.836  | 9.922  | VV | 626339 | 17051324 | 6.90% | 0.216% |
| 138        | 9.941  | 9.922  | 9.956  | VV | 306788 | 5147638  | 2.08% | 0.065% |
| 139        | 9.978  | 9.956  | 9.997  | VV | 455698 | 8912731  | 3.61% | 0.113% |
| 140        | 10.040 | 9.997  | 10.084 | VV | 746858 | 21157057 | 8.56% | 0.268% |
| 141        | 10.124 | 10.084 | 10.179 | VV | 964757 | 23731352 | 9.60% | 0.301% |

|     |        |        |        |    | rteres.txt |           |         |        |
|-----|--------|--------|--------|----|------------|-----------|---------|--------|
| 142 | 10.197 | 10.179 | 10.219 | VV | 326349     | 6650495   | 2.69%   | 0.084% |
| 143 | 10.242 | 10.219 | 10.260 | VV | 325045     | 7122630   | 2.88%   | 0.090% |
| 144 | 10.312 | 10.260 | 10.331 | VV | 1603345    | 34074924  | 13.79%  | 0.432% |
| 145 | 10.346 | 10.331 | 10.367 | VV | 1355152    | 18202158  | 7.37%   | 0.231% |
| 146 | 10.377 | 10.367 | 10.393 | VV | 332568     | 4778377   | 1.93%   | 0.061% |
| 147 | 10.421 | 10.393 | 10.446 | VV | 861203     | 16656180  | 6.74%   | 0.211% |
| 148 | 10.454 | 10.446 | 10.473 | VV | 406403     | 5978098   | 2.42%   | 0.076% |
| 149 | 10.510 | 10.473 | 10.525 | VV | 937910     | 18774529  | 7.60%   | 0.238% |
| 150 | 10.542 | 10.525 | 10.583 | VV | 1144496    | 24486601  | 9.91%   | 0.310% |
| 151 | 10.629 | 10.583 | 10.676 | VV | 1451013    | 34357266  | 13.91%  | 0.436% |
| 152 | 10.702 | 10.676 | 10.726 | VV | 1284801    | 23348967  | 9.45%   | 0.296% |
| 153 | 10.743 | 10.726 | 10.758 | VV | 692955     | 11433307  | 4.63%   | 0.145% |
| 154 | 10.777 | 10.758 | 10.806 | VV | 1233259    | 21203465  | 8.58%   | 0.269% |
| 155 | 10.820 | 10.806 | 10.846 | VV | 525683     | 11182695  | 4.53%   | 0.142% |
| 156 | 10.859 | 10.846 | 10.874 | VV | 404402     | 6408100   | 2.59%   | 0.081% |
| 157 | 10.896 | 10.874 | 10.911 | VV | 684616     | 11159290  | 4.52%   | 0.141% |
| 158 | 10.925 | 10.911 | 10.954 | VV | 565606     | 12213790  | 4.94%   | 0.155% |
| 159 | 11.011 | 10.954 | 11.018 | VV | 840307     | 23208558  | 9.39%   | 0.294% |
| 160 | 11.045 | 11.018 | 11.064 | VV | 2235872    | 36942716  | 14.95%  | 0.468% |
| 161 | 11.108 | 11.064 | 11.137 | VV | 1116016    | 39294235  | 15.90%  | 0.498% |
| 162 | 11.164 | 11.137 | 11.179 | VV | 1145091    | 21246152  | 8.60%   | 0.269% |
| 163 | 11.209 | 11.179 | 11.229 | VV | 1654484    | 37482927  | 15.17%  | 0.475% |
| 164 | 11.260 | 11.229 | 11.297 | VV | 2367635    | 68018483  | 27.53%  | 0.862% |
| 165 | 11.318 | 11.297 | 11.331 | VV | 2032965    | 36419857  | 14.74%  | 0.462% |
| 166 | 11.349 | 11.331 | 11.393 | VV | 2659574    | 68731537  | 27.82%  | 0.872% |
| 167 | 11.416 | 11.393 | 11.444 | VV | 2763168    | 53823411  | 21.78%  | 0.682% |
| 168 | 11.463 | 11.444 | 11.477 | VV | 1418267    | 24433571  | 9.89%   | 0.310% |
| 169 | 11.509 | 11.477 | 11.535 | VV | 3420180    | 74617692  | 30.20%  | 0.946% |
| 170 | 11.557 | 11.535 | 11.567 | VV | 2370943    | 39399867  | 15.95%  | 0.500% |
| 171 | 11.580 | 11.567 | 11.598 | VV | 2351452    | 39261562  | 15.89%  | 0.498% |
| 172 | 11.605 | 11.598 | 11.626 | VV | 2062975    | 28466040  | 11.52%  | 0.361% |
| 173 | 11.675 | 11.626 | 11.713 | VV | 3433329    | 113716822 | 46.02%  | 1.442% |
| 174 | 11.773 | 11.713 | 11.790 | VV | 5341402    | 135318931 | 54.77%  | 1.716% |
| 175 | 11.806 | 11.790 | 11.830 | VV | 2940255    | 51371164  | 20.79%  | 0.651% |
| 176 | 11.840 | 11.830 | 11.848 | VV | 1606394    | 16461073  | 6.66%   | 0.209% |
| 177 | 11.876 | 11.848 | 11.887 | VV | 3063871    | 57291859  | 23.19%  | 0.726% |
| 178 | 11.899 | 11.887 | 11.912 | VV | 3486182    | 44852658  | 18.15%  | 0.569% |
| 179 | 11.936 | 11.912 | 11.957 | VV | 4078856    | 73637686  | 29.80%  | 0.934% |
| 180 | 11.968 | 11.957 | 11.993 | VV | 1415049    | 27540579  | 11.15%  | 0.349% |
| 181 | 12.026 | 11.993 | 12.089 | VV | 3466234    | 94492023  | 38.24%  | 1.198% |
| 182 | 12.122 | 12.089 | 12.142 | VV | 1129200    | 31802442  | 12.87%  | 0.403% |
| 183 | 12.182 | 12.142 | 12.204 | VV | 4226276    | 86487710  | 35.00%  | 1.097% |
| 184 | 12.213 | 12.204 | 12.224 | VV | 1098454    | 12831883  | 5.19%   | 0.163% |
| 185 | 12.228 | 12.224 | 12.239 | VV | 1091964    | 9357577   | 3.79%   | 0.119% |
| 186 | 12.251 | 12.239 | 12.274 | VV | 1060075    | 19694628  | 7.97%   | 0.250% |
| 187 | 12.289 | 12.274 | 12.313 | VV | 845987     | 18608847  | 7.53%   | 0.236% |
| 188 | 12.350 | 12.313 | 12.372 | VV | 1085441    | 29968988  | 12.13%  | 0.380% |
| 189 | 12.454 | 12.372 | 12.490 | VV | 7909505    | 247078953 | 100.00% | 3.133% |
| 190 | 12.502 | 12.490 | 12.512 | VV | 1428759    | 17567029  | 7.11%   | 0.223% |
| 191 | 12.525 | 12.512 | 12.544 | VV | 1449280    | 25325074  | 10.25%  | 0.321% |
| 192 | 12.565 | 12.544 | 12.604 | VV | 1884768    | 47807583  | 19.35%  | 0.606% |
| 193 | 12.635 | 12.604 | 12.675 | VV | 1467656    | 50411636  | 20.40%  | 0.639% |
| 194 | 12.704 | 12.675 | 12.726 | VV | 1253365    | 31781055  | 12.86%  | 0.403% |

|     |        |        |        |    | rteres.txt |           |        |        |
|-----|--------|--------|--------|----|------------|-----------|--------|--------|
| 195 | 12.770 | 12.726 | 12.786 | VV | 1770544    | 50060843  | 20.26% | 0.635% |
| 196 | 12.799 | 12.786 | 12.837 | VV | 1609620    | 42968374  | 17.39% | 0.545% |
| 197 | 12.865 | 12.837 | 12.939 | VV | 1959536    | 88913977  | 35.99% | 1.127% |
| 198 | 12.986 | 12.939 | 13.006 | VV | 1169064    | 40333282  | 16.32% | 0.511% |
| 199 | 13.031 | 13.006 | 13.061 | VV | 1908445    | 47047173  | 19.04% | 0.597% |
| 200 | 13.070 | 13.061 | 13.095 | VV | 981233     | 19374350  | 7.84%  | 0.246% |
| 201 | 13.123 | 13.095 | 13.146 | VV | 1174912    | 31737616  | 12.85% | 0.402% |
| 202 | 13.153 | 13.146 | 13.171 | VV | 1070097    | 15464366  | 6.26%  | 0.196% |
| 203 | 13.186 | 13.171 | 13.216 | VV | 1130879    | 27600080  | 11.17% | 0.350% |
| 204 | 13.236 | 13.216 | 13.256 | VV | 1043248    | 23943528  | 9.69%  | 0.304% |
| 205 | 13.282 | 13.256 | 13.297 | VV | 1048087    | 24467044  | 9.90%  | 0.310% |
| 206 | 13.320 | 13.297 | 13.347 | VV | 1195176    | 31609946  | 12.79% | 0.401% |
| 207 | 13.378 | 13.347 | 13.420 | VV | 1556840    | 55588277  | 22.50% | 0.705% |
| 208 | 13.435 | 13.420 | 13.454 | VV | 1258754    | 24022353  | 9.72%  | 0.305% |
| 209 | 13.465 | 13.454 | 13.482 | VV | 1115590    | 18416965  | 7.45%  | 0.234% |
| 210 | 13.503 | 13.482 | 13.522 | VV | 1246598    | 26934632  | 10.90% | 0.342% |
| 211 | 13.543 | 13.522 | 13.561 | VV | 1259646    | 27518183  | 11.14% | 0.349% |
| 212 | 13.571 | 13.561 | 13.584 | VV | 1136683    | 15451737  | 6.25%  | 0.196% |
| 213 | 13.614 | 13.584 | 13.644 | VV | 1584913    | 48955354  | 19.81% | 0.621% |
| 214 | 13.684 | 13.644 | 13.709 | VV | 1473101    | 54494085  | 22.06% | 0.691% |
| 215 | 13.731 | 13.709 | 13.749 | VV | 1546772    | 34537989  | 13.98% | 0.438% |
| 216 | 13.777 | 13.749 | 13.807 | VV | 1717813    | 54369115  | 22.00% | 0.689% |
| 217 | 13.818 | 13.807 | 13.857 | VV | 1623798    | 43931282  | 17.78% | 0.557% |
| 218 | 13.878 | 13.857 | 13.897 | VV | 1773756    | 37997575  | 15.38% | 0.482% |
| 219 | 13.928 | 13.897 | 13.960 | VV | 1796697    | 61520473  | 24.90% | 0.780% |
| 220 | 13.981 | 13.960 | 14.002 | VV | 1868585    | 42784668  | 17.32% | 0.543% |
| 221 | 14.041 | 14.002 | 14.086 | VV | 2098521    | 90775603  | 36.74% | 1.151% |
| 222 | 14.109 | 14.086 | 14.149 | VV | 1746052    | 62786310  | 25.41% | 0.796% |
| 223 | 14.212 | 14.149 | 14.236 | VV | 2679413    | 110354222 | 44.66% | 1.399% |
| 224 | 14.260 | 14.236 | 14.279 | VV | 2561309    | 59658253  | 24.15% | 0.756% |
| 225 | 14.308 | 14.279 | 14.334 | VV | 2371927    | 72042181  | 29.16% | 0.913% |
| 226 | 14.360 | 14.334 | 14.397 | VV | 2478794    | 79662943  | 32.24% | 1.010% |
| 227 | 14.432 | 14.397 | 14.456 | VV | 2450555    | 75610700  | 30.60% | 0.959% |
| 228 | 14.484 | 14.456 | 14.516 | VV | 2812457    | 89751411  | 36.32% | 1.138% |
| 229 | 14.539 | 14.516 | 14.547 | VV | 2760617    | 47278676  | 19.14% | 0.599% |
| 230 | 14.554 | 14.547 | 14.572 | VV | 2699981    | 38860861  | 15.73% | 0.493% |
| 231 | 14.588 | 14.572 | 14.609 | VV | 2563608    | 52363073  | 21.19% | 0.664% |
| 232 | 14.644 | 14.609 | 14.670 | VV | 2913439    | 94415834  | 38.21% | 1.197% |
| 233 | 14.700 | 14.670 | 14.717 | VV | 3139874    | 81088215  | 32.82% | 1.028% |
| 234 | 14.744 | 14.717 | 14.761 | VV | 3424049    | 83381601  | 33.75% | 1.057% |
| 235 | 14.771 | 14.761 | 14.807 | VV | 3356932    | 82942186  | 33.57% | 1.052% |
| 236 | 14.829 | 14.807 | 14.864 | VV | 2826032    | 89864684  | 36.37% | 1.139% |
| 237 | 14.882 | 14.864 | 14.910 | VV | 2818204    | 70872271  | 28.68% | 0.899% |
| 238 | 14.990 | 14.910 | 15.020 | VV | 3706497    | 190078651 | 76.93% | 2.410% |
| 239 | 15.068 | 15.020 | 15.119 | VV | 3126500    | 168868321 | 68.35% | 2.141% |
| 240 | 15.147 | 15.119 | 15.166 | VV | 2824953    | 71571061  | 28.97% | 0.908% |
| 241 | 15.207 | 15.166 | 15.220 | VV | 3320147    | 92573416  | 37.47% | 1.174% |
| 242 | 15.250 | 15.220 | 15.299 | VV | 3869282    | 151050518 | 61.13% | 1.915% |
| 243 | 15.320 | 15.299 | 15.356 | VV | 2855790    | 86208479  | 34.89% | 1.093% |
| 244 | 15.386 | 15.356 | 15.407 | VV | 2584312    | 69722827  | 28.22% | 0.884% |
| 245 | 15.440 | 15.407 | 15.476 | VV | 3520780    | 120388136 | 48.72% | 1.527% |
| 246 | 15.508 | 15.476 | 15.532 | VV | 3685989    | 108146018 | 43.77% | 1.371% |

| rteres.txt |        |        |        |    |         |           |        |        |
|------------|--------|--------|--------|----|---------|-----------|--------|--------|
| 247        | 15.550 | 15.532 | 15.567 | VV | 2947417 | 55778096  | 22.58% | 0.707% |
| 248        | 15.587 | 15.567 | 15.647 | VV | 2801100 | 121437468 | 49.15% | 1.540% |
| 249        | 15.688 | 15.647 | 15.709 | VV | 3013413 | 93478385  | 37.83% | 1.185% |
| 250        | 15.756 | 15.709 | 15.780 | VV | 3268881 | 120166007 | 48.63% | 1.524% |
| 251        | 15.799 | 15.780 | 15.849 | VV | 2687705 | 84919838  | 34.37% | 1.077% |
| 252        | 15.866 | 15.849 | 15.876 | VV | 1964139 | 30468658  | 12.33% | 0.386% |
| 253        | 15.935 | 15.876 | 15.952 | VV | 2521773 | 105635870 | 42.75% | 1.339% |
| 254        | 15.986 | 15.952 | 16.032 | VV | 3202257 | 122855374 | 49.72% | 1.558% |
| 255        | 16.054 | 16.032 | 16.074 | VV | 2297587 | 52077651  | 21.08% | 0.660% |
| 256        | 16.086 | 16.074 | 16.111 | VV | 2021703 | 42007411  | 17.00% | 0.533% |
| 257        | 16.150 | 16.111 | 16.192 | VV | 2343600 | 97154826  | 39.32% | 1.232% |
| 258        | 16.215 | 16.192 | 16.239 | VV | 2632964 | 62986793  | 25.49% | 0.799% |
| 259        | 16.254 | 16.239 | 16.286 | VV | 2197797 | 53692139  | 21.73% | 0.681% |
| 260        | 16.310 | 16.286 | 16.322 | VV | 1623685 | 32797008  | 13.27% | 0.416% |
| 261        | 16.338 | 16.322 | 16.351 | VV | 1727246 | 28046190  | 11.35% | 0.356% |
| 262        | 16.372 | 16.351 | 16.386 | VV | 1794113 | 36198178  | 14.65% | 0.459% |
| 263        | 16.393 | 16.386 | 16.400 | VV | 1856303 | 15854530  | 6.42%  | 0.201% |
| 264        | 16.425 | 16.400 | 16.438 | VV | 2354024 | 46655163  | 18.88% | 0.592% |
| 265        | 16.454 | 16.438 | 16.479 | VV | 2469929 | 47587573  | 19.26% | 0.603% |
| 266        | 16.507 | 16.479 | 16.566 | VV | 1748329 | 74566194  | 30.18% | 0.945% |
| 267        | 16.606 | 16.566 | 16.634 | VV | 1948457 | 63538418  | 25.72% | 0.806% |
| 268        | 16.661 | 16.634 | 16.678 | VV | 1863906 | 40008277  | 16.19% | 0.507% |
| 269        | 16.692 | 16.678 | 16.744 | VV | 1571445 | 49264165  | 19.94% | 0.625% |
| 270        | 16.762 | 16.744 | 16.784 | VV | 1112929 | 24792081  | 10.03% | 0.314% |
| 271        | 16.815 | 16.784 | 16.827 | VV | 1228229 | 29115267  | 11.78% | 0.369% |
| 272        | 16.858 | 16.827 | 16.881 | VV | 1394241 | 39849245  | 16.13% | 0.505% |
| 273        | 16.898 | 16.881 | 16.916 | VV | 1296205 | 22725160  | 9.20%  | 0.288% |
| 274        | 16.938 | 16.916 | 16.963 | VV | 1118593 | 26994078  | 10.93% | 0.342% |
| 275        | 16.990 | 16.963 | 17.015 | VV | 861222  | 25009179  | 10.12% | 0.317% |
| 276        | 17.033 | 17.015 | 17.061 | VV | 899535  | 20907459  | 8.46%  | 0.265% |
| 277        | 17.091 | 17.061 | 17.187 | VV | 994070  | 50452376  | 20.42% | 0.640% |
| 278        | 17.230 | 17.187 | 17.253 | VV | 760176  | 24394986  | 9.87%  | 0.309% |
| 279        | 17.275 | 17.253 | 17.301 | VV | 740483  | 17073469  | 6.91%  | 0.216% |
| 280        | 17.324 | 17.301 | 17.344 | VV | 755114  | 15462530  | 6.26%  | 0.196% |
| 281        | 17.352 | 17.344 | 17.381 | VV | 610067  | 10865834  | 4.40%  | 0.138% |
| 282        | 17.403 | 17.381 | 17.434 | VV | 403576  | 12101709  | 4.90%  | 0.153% |
| 283        | 17.456 | 17.434 | 17.484 | VV | 456789  | 11739858  | 4.75%  | 0.149% |
| 284        | 17.509 | 17.484 | 17.532 | VV | 568895  | 13349133  | 5.40%  | 0.169% |
| 285        | 17.550 | 17.532 | 17.609 | VV | 694640  | 18387368  | 7.44%  | 0.233% |
| 286        | 17.641 | 17.609 | 17.673 | VV | 327251  | 11627271  | 4.71%  | 0.147% |
| 287        | 17.684 | 17.673 | 17.713 | VV | 300404  | 6697960   | 2.71%  | 0.085% |
| 288        | 17.745 | 17.713 | 17.786 | VV | 443115  | 14101629  | 5.71%  | 0.179% |
| 289        | 17.797 | 17.786 | 17.824 | VV | 245249  | 5322344   | 2.15%  | 0.067% |
| 290        | 17.838 | 17.824 | 17.847 | VV | 236206  | 3166878   | 1.28%  | 0.040% |
| 291        | 17.871 | 17.847 | 17.889 | VV | 237034  | 5746777   | 2.33%  | 0.073% |
| 292        | 17.932 | 17.889 | 17.948 | VV | 664331  | 14609173  | 5.91%  | 0.185% |
| 293        | 17.970 | 17.948 | 18.026 | VV | 662779  | 15343707  | 6.21%  | 0.195% |
| 294        | 18.042 | 18.026 | 18.062 | VV | 210289  | 4306946   | 1.74%  | 0.055% |
| 295        | 18.083 | 18.062 | 18.106 | VV | 193292  | 4822789   | 1.95%  | 0.061% |
| 296        | 18.117 | 18.106 | 18.133 | VV | 184935  | 2958925   | 1.20%  | 0.038% |
| 297        | 18.182 | 18.133 | 18.226 | VV | 566183  | 15385113  | 6.23%  | 0.195% |
| 298        | 18.236 | 18.226 | 18.262 | VV | 175167  | 3628344   | 1.47%  | 0.046% |
| 299        | 18.280 | 18.262 | 18.292 | VV | 172251  | 2986164   | 1.21%  | 0.038% |

|     |        |        |        |    |            |          |       |        |
|-----|--------|--------|--------|----|------------|----------|-------|--------|
|     |        |        |        |    | rteres.txt |          |       |        |
| 300 | 18.317 | 18.292 | 18.336 | VV | 204298     | 4746199  | 1.92% | 0.060% |
| 301 | 18.367 | 18.336 | 18.420 | VV | 508639     | 12754556 | 5.16% | 0.162% |
| 302 | 18.429 | 18.420 | 18.506 | VV | 161711     | 7594183  | 3.07% | 0.096% |
| 303 | 18.523 | 18.506 | 18.581 | VV | 151680     | 6464988  | 2.62% | 0.082% |
| 304 | 18.589 | 18.581 | 18.601 | VV | 141078     | 1650435  | 0.67% | 0.021% |
| 305 | 18.612 | 18.601 | 18.626 | VV | 139445     | 2058626  | 0.83% | 0.026% |
| 306 | 18.641 | 18.626 | 18.663 | VV | 140619     | 3110039  | 1.26% | 0.039% |
| 307 | 18.674 | 18.663 | 18.691 | VV | 141317     | 2322059  | 0.94% | 0.029% |
| 308 | 18.737 | 18.691 | 18.759 | VV | 164374     | 5989145  | 2.42% | 0.076% |
| 309 | 18.768 | 18.759 | 18.792 | VV | 150248     | 2932760  | 1.19% | 0.037% |
| 310 | 18.805 | 18.792 | 18.876 | VV | 144020     | 6888692  | 2.79% | 0.087% |
| 311 | 18.899 | 18.876 | 18.914 | VV | 139453     | 3112578  | 1.26% | 0.039% |
| 312 | 18.926 | 18.914 | 18.937 | VV | 135826     | 1835357  | 0.74% | 0.023% |
| 313 | 18.952 | 18.937 | 18.974 | VV | 143368     | 2961382  | 1.20% | 0.038% |
| 314 | 18.980 | 18.974 | 18.992 | VV | 128028     | 1344249  | 0.54% | 0.017% |
| 315 | 19.011 | 18.992 | 19.044 | VV | 137935     | 4065192  | 1.65% | 0.052% |
| 316 | 19.067 | 19.044 | 19.087 | VV | 149467     | 3456888  | 1.40% | 0.044% |
| 317 | 19.146 | 19.087 | 19.192 | VV | 422276     | 12909635 | 5.22% | 0.164% |
| 318 | 19.206 | 19.192 | 19.241 | VV | 133955     | 3857636  | 1.56% | 0.049% |
| 319 | 19.284 | 19.241 | 19.307 | VV | 168863     | 5921089  | 2.40% | 0.075% |
| 320 | 19.339 | 19.307 | 19.382 | VV | 141376     | 6109231  | 2.47% | 0.077% |
| 321 | 19.393 | 19.382 | 19.417 | VV | 133781     | 2731866  | 1.11% | 0.035% |
| 322 | 19.432 | 19.417 | 19.507 | VV | 139784     | 6918033  | 2.80% | 0.088% |
| 323 | 19.529 | 19.507 | 19.559 | VV | 138812     | 4041947  | 1.64% | 0.051% |
| 324 | 19.577 | 19.559 | 19.604 | VV | 132370     | 3464617  | 1.40% | 0.044% |
| 325 | 19.609 | 19.604 | 19.624 | VV | 133935     | 1596225  | 0.65% | 0.020% |
| 326 | 19.652 | 19.624 | 19.687 | VV | 156174     | 5215227  | 2.11% | 0.066% |
| 327 | 19.701 | 19.687 | 19.713 | VV | 140415     | 2089936  | 0.85% | 0.027% |
| 328 | 19.724 | 19.713 | 19.744 | VV | 139840     | 2464534  | 1.00% | 0.031% |
| 329 | 19.751 | 19.744 | 19.839 | VV | 140952     | 7223317  | 2.92% | 0.092% |
| 330 | 19.882 | 19.839 | 19.929 | VV | 415855     | 10781050 | 4.36% | 0.137% |
| 331 | 19.952 | 19.929 | 19.992 | VV | 130085     | 4781799  | 1.94% | 0.061% |
| 332 | 20.028 | 19.992 | 20.047 | VV | 146163     | 4374652  | 1.77% | 0.055% |
| 333 | 20.066 | 20.047 | 20.074 | VV | 139673     | 2150064  | 0.87% | 0.027% |
| 334 | 20.082 | 20.074 | 20.107 | VV | 136262     | 2652738  | 1.07% | 0.034% |
| 335 | 20.114 | 20.107 | 20.149 | VV | 134508     | 3137497  | 1.27% | 0.040% |
| 336 | 20.162 | 20.149 | 20.190 | VV | 118881     | 2843943  | 1.15% | 0.036% |
| 337 | 20.218 | 20.190 | 20.272 | VV | 120129     | 5433871  | 2.20% | 0.069% |
| 338 | 20.303 | 20.272 | 20.317 | VV | 108753     | 2906445  | 1.18% | 0.037% |
| 339 | 20.328 | 20.317 | 20.337 | VV | 109980     | 1289430  | 0.52% | 0.016% |
| 340 | 20.345 | 20.337 | 20.359 | VV | 107892     | 1345370  | 0.54% | 0.017% |
| 341 | 20.390 | 20.359 | 20.406 | VV | 113276     | 2963710  | 1.20% | 0.038% |
| 342 | 20.417 | 20.406 | 20.452 | VV | 101643     | 2660121  | 1.08% | 0.034% |
| 343 | 20.465 | 20.452 | 20.484 | VV | 86452      | 1593776  | 0.65% | 0.020% |
| 344 | 20.490 | 20.484 | 20.509 | VV | 80296      | 1148026  | 0.46% | 0.015% |
| 345 | 20.547 | 20.509 | 20.559 | VV | 104562     | 2787748  | 1.13% | 0.035% |
| 346 | 20.587 | 20.559 | 20.667 | VV | 301076     | 8179004  | 3.31% | 0.104% |
| 347 | 20.675 | 20.667 | 20.704 | VV | 59014      | 1245973  | 0.50% | 0.016% |
| 348 | 20.709 | 20.704 | 20.774 | VV | 57803      | 2090759  | 0.85% | 0.027% |
| 349 | 20.793 | 20.774 | 20.818 | VV | 49125      | 1162275  | 0.47% | 0.015% |
| 350 | 20.830 | 20.818 | 20.854 | VV | 41663      | 842556   | 0.34% | 0.011% |
| 351 | 20.867 | 20.854 | 20.896 | VV | 38066      | 870920   | 0.35% | 0.011% |

|     |        |        |        |    |                                    |         |       |        |
|-----|--------|--------|--------|----|------------------------------------|---------|-------|--------|
|     |        |        |        |    | rteres.txt                         |         |       |        |
| 352 | 20.945 | 20.896 | 20.994 | VV | 48999                              | 2255940 | 0.91% | 0.029% |
| 353 | 21.008 | 20.994 | 21.065 | VV | 35589                              | 1278035 | 0.52% | 0.016% |
| 354 | 21.089 | 21.065 | 21.122 | VV | 25141                              | 784017  | 0.32% | 0.010% |
| 355 | 21.131 | 21.122 | 21.159 | VV | 21244                              | 424469  | 0.17% | 0.005% |
| 356 | 21.181 | 21.159 | 21.204 | VV | 21520                              | 508703  | 0.21% | 0.006% |
| 357 | 21.216 | 21.204 | 21.253 | VV | 19002                              | 477636  | 0.19% | 0.006% |
| 358 | 21.280 | 21.253 | 21.316 | VV | 23834                              | 682883  | 0.28% | 0.009% |
| 359 | 21.326 | 21.316 | 21.340 | VV | 13296                              | 181485  | 0.07% | 0.002% |
| 360 | 21.350 | 21.340 | 21.357 | VV | 12918                              | 123103  | 0.05% | 0.002% |
| 361 | 21.424 | 21.357 | 21.538 | VV | 182781                             | 4772638 | 1.93% | 0.061% |
|     |        |        |        |    | Sum of corrected areas: 7886459865 |         |       |        |

Alaphatic EPH 092118.M Fri Oct 05 08:55:37 2018