

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102218AL\  
 Data File : FC037019.D  
 Signal(s) : FID1A.CH  
 Acq On : 22 Oct 2018 20:39  
 Sample : J5197-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 101718.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.273       | 3.231        | 3.310      | PV       | 144            | 3776         | 0.00%          | 0.001%        |
| 2         | 3.316       | 3.310        | 3.366      | VV       | 126            | 3030         | 0.00%          | 0.001%        |
| 3         | 3.379       | 3.366        | 3.398      | VV       | 196            | 1798         | 0.00%          | 0.000%        |
| 4         | 3.408       | 3.398        | 3.424      | VV       | 142            | 1110         | 0.00%          | 0.000%        |
| 5         | 3.436       | 3.424        | 3.459      | PV       | 300            | 4562         | 0.00%          | 0.001%        |
| 6         | 3.466       | 3.459        | 3.489      | VV       | 272            | 3113         | 0.00%          | 0.001%        |
| 7         | 3.501       | 3.489        | 3.513      | VV       | 181            | 1772         | 0.00%          | 0.000%        |
| 8         | 3.550       | 3.513        | 3.594      | VV       | 552            | 14715        | 0.02%          | 0.003%        |
| 9         | 3.615       | 3.594        | 3.649      | VV       | 411            | 8180         | 0.01%          | 0.002%        |
| 10        | 3.665       | 3.649        | 3.697      | VV       | 990            | 15632        | 0.02%          | 0.003%        |
| 11        | 3.706       | 3.697        | 3.724      | VV       | 455            | 4885         | 0.01%          | 0.001%        |
| 12        | 3.748       | 3.724        | 3.807      | PV       | 1074           | 19705        | 0.02%          | 0.004%        |
| 13        | 3.845       | 3.807        | 3.919      | VV       | 5139           | 110200       | 0.12%          | 0.023%        |
| 14        | 3.933       | 3.919        | 3.967      | VV       | 1301           | 20774        | 0.02%          | 0.004%        |
| 15        | 4.011       | 3.967        | 4.031      | VV       | 3731           | 74223        | 0.08%          | 0.016%        |
| 16        | 4.041       | 4.031        | 4.069      | VV       | 1325           | 22072        | 0.02%          | 0.005%        |
| 17        | 4.076       | 4.069        | 4.114      | VV       | 699            | 11817        | 0.01%          | 0.003%        |
| 18        | 4.148       | 4.114        | 4.172      | VV       | 655            | 12052        | 0.01%          | 0.003%        |
| 19        | 4.189       | 4.172        | 4.209      | VV       | 1126           | 12956        | 0.01%          | 0.003%        |
| 20        | 4.239       | 4.209        | 4.258      | VV       | 3533           | 38479        | 0.04%          | 0.008%        |
| 21        | 4.276       | 4.258        | 4.292      | VV       | 2314           | 21988        | 0.02%          | 0.005%        |
| 22        | 4.309       | 4.292        | 4.326      | VV       | 1343           | 13630        | 0.01%          | 0.003%        |
| 23        | 4.338       | 4.326        | 4.364      | VV       | 461            | 5140         | 0.01%          | 0.001%        |
| 24        | 4.383       | 4.364        | 4.415      | PV       | 1137           | 22204        | 0.02%          | 0.005%        |
| 25        | 4.432       | 4.415        | 4.451      | VV       | 1029           | 16428        | 0.02%          | 0.003%        |
| 26        | 4.458       | 4.451        | 4.475      | VV       | 804            | 10936        | 0.01%          | 0.002%        |
| 27        | 4.491       | 4.475        | 4.504      | VV       | 2431           | 23793        | 0.03%          | 0.005%        |
| 28        | 4.515       | 4.504        | 4.527      | VV       | 1612           | 14604        | 0.02%          | 0.003%        |
| 29        | 4.546       | 4.527        | 4.555      | VV       | 1552           | 17709        | 0.02%          | 0.004%        |
| 30        | 4.564       | 4.555        | 4.577      | VV       | 1673           | 16402        | 0.02%          | 0.003%        |
| 31        | 4.612       | 4.577        | 4.627      | VV       | 3747           | 54429        | 0.06%          | 0.012%        |
| 32        | 4.653       | 4.627        | 4.668      | VV       | 2950           | 51450        | 0.05%          | 0.011%        |
| 33        | 4.696       | 4.668        | 4.734      | VV       | 6412           | 124413       | 0.13%          | 0.026%        |
| 34        | 4.759       | 4.734        | 4.777      | VV       | 2973           | 39555        | 0.04%          | 0.008%        |
| 35        | 4.789       | 4.777        | 4.809      | VV       | 1182           | 12694        | 0.01%          | 0.003%        |
| 36        | 4.845       | 4.809        | 4.855      | PV       | 2149           | 32138        | 0.03%          | 0.007%        |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 37         | 4.873 | 4.855 | 4.900 | VV | 6746  | 94609  | 0.10% | 0.020% |
| 38         | 4.920 | 4.900 | 4.934 | VV | 4781  | 55801  | 0.06% | 0.012% |
| 39         | 4.947 | 4.934 | 4.962 | VV | 4727  | 48414  | 0.05% | 0.010% |
| 40         | 4.979 | 4.962 | 5.048 | VV | 5228  | 99301  | 0.10% | 0.021% |
|            |       |       |       |    |       |        |       |        |
| 41         | 5.069 | 5.048 | 5.081 | VV | 2544  | 28214  | 0.03% | 0.006% |
| 42         | 5.093 | 5.081 | 5.114 | VV | 2237  | 33707  | 0.04% | 0.007% |
| 43         | 5.132 | 5.114 | 5.145 | VV | 4375  | 56261  | 0.06% | 0.012% |
| 44         | 5.158 | 5.145 | 5.193 | VV | 4898  | 63647  | 0.07% | 0.013% |
| 45         | 5.217 | 5.193 | 5.232 | VV | 2691  | 34001  | 0.04% | 0.007% |
|            |       |       |       |    |       |        |       |        |
| 46         | 5.272 | 5.232 | 5.325 | VV | 17896 | 341066 | 0.36% | 0.072% |
| 47         | 5.341 | 5.325 | 5.375 | VV | 1888  | 28784  | 0.03% | 0.006% |
| 48         | 5.392 | 5.375 | 5.406 | PV | 860   | 7949   | 0.01% | 0.002% |
| 49         | 5.414 | 5.406 | 5.422 | VV | 413   | 2587   | 0.00% | 0.001% |
| 50         | 5.446 | 5.422 | 5.474 | VV | 10544 | 150953 | 0.16% | 0.032% |
|            |       |       |       |    |       |        |       |        |
| 51         | 5.482 | 5.474 | 5.499 | VV | 2289  | 22618  | 0.02% | 0.005% |
| 52         | 5.521 | 5.499 | 5.529 | VV | 4129  | 41355  | 0.04% | 0.009% |
| 53         | 5.546 | 5.529 | 5.586 | VV | 13599 | 251505 | 0.27% | 0.053% |
| 54         | 5.636 | 5.586 | 5.664 | VV | 16652 | 263565 | 0.28% | 0.056% |
| 55         | 5.678 | 5.664 | 5.697 | VV | 5755  | 76658  | 0.08% | 0.016% |
|            |       |       |       |    |       |        |       |        |
| 56         | 5.721 | 5.697 | 5.739 | VV | 6502  | 84760  | 0.09% | 0.018% |
| 57         | 5.771 | 5.739 | 5.791 | VV | 7128  | 121803 | 0.13% | 0.026% |
| 58         | 5.846 | 5.791 | 5.853 | VV | 5897  | 160796 | 0.17% | 0.034% |
| 59         | 5.862 | 5.853 | 5.882 | VV | 6157  | 68111  | 0.07% | 0.014% |
| 60         | 5.907 | 5.882 | 5.924 | VV | 6980  | 86971  | 0.09% | 0.018% |
|            |       |       |       |    |       |        |       |        |
| 61         | 5.945 | 5.924 | 5.960 | VV | 9799  | 138736 | 0.15% | 0.029% |
| 62         | 5.971 | 5.960 | 6.011 | VV | 8241  | 188664 | 0.20% | 0.040% |
| 63         | 6.027 | 6.011 | 6.059 | VV | 8295  | 136668 | 0.14% | 0.029% |
| 64         | 6.078 | 6.059 | 6.105 | VV | 8806  | 135813 | 0.14% | 0.029% |
| 65         | 6.126 | 6.105 | 6.151 | VV | 4432  | 91012  | 0.10% | 0.019% |
|            |       |       |       |    |       |        |       |        |
| 66         | 6.175 | 6.151 | 6.205 | VV | 15788 | 248328 | 0.26% | 0.053% |
| 67         | 6.216 | 6.205 | 6.229 | VV | 4119  | 49985  | 0.05% | 0.011% |
| 68         | 6.249 | 6.229 | 6.311 | VV | 31286 | 438527 | 0.46% | 0.093% |
| 69         | 6.331 | 6.311 | 6.342 | VV | 4587  | 62717  | 0.07% | 0.013% |
| 70         | 6.362 | 6.342 | 6.377 | VV | 7721  | 121409 | 0.13% | 0.026% |
|            |       |       |       |    |       |        |       |        |
| 71         | 6.396 | 6.377 | 6.420 | VV | 16168 | 239221 | 0.25% | 0.051% |
| 72         | 6.438 | 6.420 | 6.455 | VV | 9647  | 137090 | 0.14% | 0.029% |
| 73         | 6.466 | 6.455 | 6.477 | VV | 5478  | 57303  | 0.06% | 0.012% |
| 74         | 6.519 | 6.477 | 6.540 | VV | 17972 | 286149 | 0.30% | 0.061% |
| 75         | 6.580 | 6.540 | 6.611 | VV | 12458 | 286424 | 0.30% | 0.061% |
|            |       |       |       |    |       |        |       |        |
| 76         | 6.636 | 6.611 | 6.691 | VV | 45285 | 634617 | 0.67% | 0.134% |
| 77         | 6.711 | 6.691 | 6.727 | VV | 8650  | 130092 | 0.14% | 0.028% |
| 78         | 6.757 | 6.727 | 6.779 | VV | 15496 | 287637 | 0.30% | 0.061% |
| 79         | 6.799 | 6.779 | 6.829 | VV | 21064 | 300255 | 0.32% | 0.064% |
| 80         | 6.861 | 6.829 | 6.889 | VV | 29738 | 517766 | 0.55% | 0.110% |
|            |       |       |       |    |       |        |       |        |
| 81         | 6.905 | 6.889 | 6.921 | VV | 13122 | 156088 | 0.16% | 0.033% |
| 82         | 6.945 | 6.921 | 6.977 | VV | 23026 | 388140 | 0.41% | 0.082% |
| 83         | 7.000 | 6.977 | 7.022 | VV | 13824 | 244875 | 0.26% | 0.052% |
| 84         | 7.042 | 7.022 | 7.057 | VV | 9482  | 132392 | 0.14% | 0.028% |
| 85         | 7.069 | 7.057 | 7.081 | VV | 7063  | 88432  | 0.09% | 0.019% |
|            |       |       |       |    |       |        |       |        |
| 86         | 7.092 | 7.081 | 7.102 | VV | 6658  | 81827  | 0.09% | 0.017% |
| 87         | 7.138 | 7.102 | 7.150 | VV | 39167 | 515394 | 0.54% | 0.109% |
| 88         | 7.166 | 7.150 | 7.186 | VV | 62080 | 717056 | 0.76% | 0.152% |
| 89         | 7.197 | 7.186 | 7.207 | VV | 13273 | 140677 | 0.15% | 0.030% |

| rteres.txt |       |       |       |    |        |         |       |        |
|------------|-------|-------|-------|----|--------|---------|-------|--------|
| 90         | 7.229 | 7.207 | 7.267 | VV | 12505  | 347925  | 0.37% | 0.074% |
| 91         | 7.284 | 7.267 | 7.299 | VV | 5966   | 102423  | 0.11% | 0.022% |
| 92         | 7.333 | 7.299 | 7.367 | VV | 28542  | 597467  | 0.63% | 0.127% |
| 93         | 7.386 | 7.367 | 7.408 | VV | 14172  | 210460  | 0.22% | 0.045% |
| 94         | 7.425 | 7.408 | 7.437 | VV | 10530  | 123605  | 0.13% | 0.026% |
| 95         | 7.468 | 7.437 | 7.512 | VV | 505806 | 5463603 | 5.77% | 1.158% |
| 96         | 7.527 | 7.512 | 7.562 | VV | 18292  | 366318  | 0.39% | 0.078% |
| 97         | 7.586 | 7.562 | 7.604 | VV | 19918  | 342248  | 0.36% | 0.073% |
| 98         | 7.622 | 7.604 | 7.656 | VV | 18508  | 409644  | 0.43% | 0.087% |
| 99         | 7.681 | 7.656 | 7.702 | VV | 17149  | 329097  | 0.35% | 0.070% |
| 100        | 7.729 | 7.702 | 7.742 | VV | 21484  | 347691  | 0.37% | 0.074% |
| 101        | 7.757 | 7.742 | 7.769 | VV | 27916  | 335204  | 0.35% | 0.071% |
| 102        | 7.782 | 7.769 | 7.807 | VV | 30456  | 390152  | 0.41% | 0.083% |
| 103        | 7.853 | 7.807 | 7.884 | VV | 31119  | 703363  | 0.74% | 0.149% |
| 104        | 7.901 | 7.884 | 7.917 | VV | 10563  | 180272  | 0.19% | 0.038% |
| 105        | 7.943 | 7.917 | 7.955 | VV | 25344  | 412667  | 0.44% | 0.087% |
| 106        | 7.970 | 7.955 | 7.988 | VV | 33228  | 505765  | 0.53% | 0.107% |
| 107        | 8.001 | 7.988 | 8.013 | VV | 22569  | 315717  | 0.33% | 0.067% |
| 108        | 8.033 | 8.013 | 8.054 | VV | 90189  | 1099448 | 1.16% | 0.233% |
| 109        | 8.087 | 8.054 | 8.112 | VV | 26117  | 657715  | 0.70% | 0.139% |
| 110        | 8.126 | 8.112 | 8.154 | VV | 21809  | 387792  | 0.41% | 0.082% |
| 111        | 8.181 | 8.154 | 8.196 | VV | 21288  | 380039  | 0.40% | 0.081% |
| 112        | 8.209 | 8.196 | 8.223 | VV | 18053  | 241048  | 0.25% | 0.051% |
| 113        | 8.243 | 8.223 | 8.289 | VV | 26505  | 589346  | 0.62% | 0.125% |
| 114        | 8.324 | 8.289 | 8.367 | VV | 350474 | 4019274 | 4.25% | 0.852% |
| 115        | 8.384 | 8.367 | 8.427 | VV | 20541  | 618164  | 0.65% | 0.131% |
| 116        | 8.451 | 8.427 | 8.463 | VV | 23838  | 429191  | 0.45% | 0.091% |
| 117        | 8.476 | 8.463 | 8.505 | VV | 25130  | 500061  | 0.53% | 0.106% |
| 118        | 8.523 | 8.505 | 8.547 | VV | 20606  | 450011  | 0.48% | 0.095% |
| 119        | 8.565 | 8.547 | 8.592 | VV | 45966  | 692418  | 0.73% | 0.147% |
| 120        | 8.616 | 8.592 | 8.647 | VV | 22483  | 498956  | 0.53% | 0.106% |
| 121        | 8.662 | 8.647 | 8.681 | VV | 18860  | 314666  | 0.33% | 0.067% |
| 122        | 8.707 | 8.681 | 8.724 | VV | 16083  | 368739  | 0.39% | 0.078% |
| 123        | 8.736 | 8.724 | 8.754 | VV | 14200  | 219681  | 0.23% | 0.047% |
| 124        | 8.784 | 8.754 | 8.804 | VV | 17715  | 452950  | 0.48% | 0.096% |
| 125        | 8.850 | 8.804 | 8.909 | VV | 110814 | 2061269 | 2.18% | 0.437% |
| 126        | 8.932 | 8.909 | 8.953 | VV | 21265  | 384876  | 0.41% | 0.082% |
| 127        | 8.981 | 8.953 | 9.001 | VV | 20488  | 417735  | 0.44% | 0.089% |
| 128        | 9.014 | 9.001 | 9.026 | VV | 13800  | 181935  | 0.19% | 0.039% |
| 129        | 9.042 | 9.026 | 9.053 | VV | 15669  | 226035  | 0.24% | 0.048% |
| 130        | 9.067 | 9.053 | 9.101 | VV | 16752  | 398479  | 0.42% | 0.084% |
| 131        | 9.121 | 9.101 | 9.157 | VV | 19892  | 510758  | 0.54% | 0.108% |
| 132        | 9.172 | 9.157 | 9.185 | VV | 15173  | 219237  | 0.23% | 0.046% |
| 133        | 9.219 | 9.185 | 9.251 | VV | 33475  | 797433  | 0.84% | 0.169% |
| 134        | 9.275 | 9.251 | 9.289 | VV | 24001  | 442068  | 0.47% | 0.094% |
| 135        | 9.306 | 9.289 | 9.327 | VV | 26567  | 450481  | 0.48% | 0.095% |
| 136        | 9.350 | 9.327 | 9.368 | VV | 26858  | 450960  | 0.48% | 0.096% |
| 137        | 9.403 | 9.368 | 9.427 | VV | 26405  | 641663  | 0.68% | 0.136% |
| 138        | 9.439 | 9.427 | 9.456 | VV | 12424  | 196549  | 0.21% | 0.042% |
| 139        | 9.469 | 9.456 | 9.489 | VV | 11751  | 222344  | 0.23% | 0.047% |
| 140        | 9.500 | 9.489 | 9.512 | VV | 11481  | 150036  | 0.16% | 0.032% |
| 141        | 9.531 | 9.512 | 9.541 | VV | 14698  | 226374  | 0.24% | 0.048% |

|     |        |        |        |    | rteres.txt |          |        |        |
|-----|--------|--------|--------|----|------------|----------|--------|--------|
| 142 | 9.575  | 9.541  | 9.599  | VV | 23321      | 640138   | 0.68%  | 0.136% |
| 143 | 9.623  | 9.599  | 9.666  | VV | 134692     | 1804455  | 1.91%  | 0.382% |
| 144 | 9.699  | 9.666  | 9.762  | VV | 15392      | 689499   | 0.73%  | 0.146% |
| 145 | 9.784  | 9.762  | 9.816  | VV | 14436      | 357812   | 0.38%  | 0.076% |
| 146 | 9.860  | 9.816  | 9.874  | VV | 11756      | 340347   | 0.36%  | 0.072% |
| 147 | 9.889  | 9.874  | 9.926  | VV | 11075      | 310428   | 0.33%  | 0.066% |
| 148 | 9.968  | 9.926  | 9.981  | VV | 20178      | 476964   | 0.50%  | 0.101% |
| 149 | 10.008 | 9.981  | 10.036 | VV | 51526      | 1026368  | 1.08%  | 0.217% |
| 150 | 10.059 | 10.036 | 10.079 | VV | 26083      | 494604   | 0.52%  | 0.105% |
| 151 | 10.099 | 10.079 | 10.130 | VV | 23921      | 568133   | 0.60%  | 0.120% |
| 152 | 10.151 | 10.130 | 10.174 | VV | 26422      | 429763   | 0.45%  | 0.091% |
| 153 | 10.192 | 10.174 | 10.227 | VV | 12579      | 350012   | 0.37%  | 0.074% |
| 154 | 10.250 | 10.227 | 10.272 | VV | 18083      | 371074   | 0.39%  | 0.079% |
| 155 | 10.287 | 10.272 | 10.305 | VV | 15700      | 251494   | 0.27%  | 0.053% |
| 156 | 10.358 | 10.305 | 10.386 | VV | 129275     | 1940548  | 2.05%  | 0.411% |
| 157 | 10.429 | 10.386 | 10.456 | VV | 50788      | 1216543  | 1.29%  | 0.258% |
| 158 | 10.463 | 10.456 | 10.512 | VV | 16165      | 381714   | 0.40%  | 0.081% |
| 159 | 10.538 | 10.512 | 10.569 | VV | 11435      | 330888   | 0.35%  | 0.070% |
| 160 | 10.589 | 10.569 | 10.611 | VV | 35757      | 522028   | 0.55%  | 0.111% |
| 161 | 10.619 | 10.611 | 10.647 | VV | 13545      | 238748   | 0.25%  | 0.051% |
| 162 | 10.673 | 10.647 | 10.714 | VV | 22319      | 619307   | 0.65%  | 0.131% |
| 163 | 10.745 | 10.714 | 10.788 | VV | 25415      | 729758   | 0.77%  | 0.155% |
| 164 | 10.810 | 10.788 | 10.837 | VV | 19144      | 380606   | 0.40%  | 0.081% |
| 165 | 10.860 | 10.837 | 10.881 | VV | 15368      | 289991   | 0.31%  | 0.061% |
| 166 | 10.901 | 10.881 | 10.922 | VV | 13505      | 252891   | 0.27%  | 0.054% |
| 167 | 10.979 | 10.922 | 11.032 | VV | 11038      | 595158   | 0.63%  | 0.126% |
| 168 | 11.058 | 11.032 | 11.094 | VV | 107894     | 1519048  | 1.61%  | 0.322% |
| 169 | 11.109 | 11.094 | 11.122 | VV | 15367      | 220113   | 0.23%  | 0.047% |
| 170 | 11.146 | 11.122 | 11.196 | VV | 38109      | 767364   | 0.81%  | 0.163% |
| 171 | 11.211 | 11.196 | 11.222 | VV | 7643       | 112243   | 0.12%  | 0.024% |
| 172 | 11.245 | 11.222 | 11.290 | VV | 10211      | 321244   | 0.34%  | 0.068% |
| 173 | 11.301 | 11.290 | 11.312 | VV | 6909       | 87265    | 0.09%  | 0.018% |
| 174 | 11.360 | 11.312 | 11.401 | VV | 285695     | 3715854  | 3.93%  | 0.787% |
| 175 | 11.417 | 11.401 | 11.432 | VV | 19670      | 301509   | 0.32%  | 0.064% |
| 176 | 11.448 | 11.432 | 11.467 | VV | 17827      | 285628   | 0.30%  | 0.061% |
| 177 | 11.491 | 11.467 | 11.516 | VV | 17425      | 364411   | 0.39%  | 0.077% |
| 178 | 11.537 | 11.516 | 11.556 | VV | 22121      | 338924   | 0.36%  | 0.072% |
| 179 | 11.574 | 11.556 | 11.592 | VV | 12000      | 225368   | 0.24%  | 0.048% |
| 180 | 11.611 | 11.592 | 11.651 | VV | 21756      | 409500   | 0.43%  | 0.087% |
| 181 | 11.725 | 11.651 | 11.748 | VV | 87593      | 1474265  | 1.56%  | 0.312% |
| 182 | 11.788 | 11.748 | 11.818 | VV | 1555272    | 20121420 | 21.26% | 4.263% |
| 183 | 11.827 | 11.818 | 11.854 | VV | 8037       | 152619   | 0.16%  | 0.032% |
| 184 | 11.857 | 11.854 | 11.882 | VV | 6621       | 94155    | 0.10%  | 0.020% |
| 185 | 11.889 | 11.882 | 11.901 | VV | 5057       | 50429    | 0.05%  | 0.011% |
| 186 | 11.921 | 11.901 | 11.942 | VV | 9255       | 163720   | 0.17%  | 0.035% |
| 187 | 11.952 | 11.942 | 11.969 | VV | 4410       | 55824    | 0.06%  | 0.012% |
| 188 | 11.999 | 11.969 | 12.019 | VV | 10429      | 211968   | 0.22%  | 0.045% |
| 189 | 12.028 | 12.019 | 12.049 | VV | 9037       | 129032   | 0.14%  | 0.027% |
| 190 | 12.062 | 12.049 | 12.081 | VV | 9330       | 136460   | 0.14%  | 0.029% |
| 191 | 12.101 | 12.081 | 12.116 | VV | 10159      | 158707   | 0.17%  | 0.034% |
| 192 | 12.132 | 12.116 | 12.161 | VV | 12423      | 211244   | 0.22%  | 0.045% |
| 193 | 12.185 | 12.161 | 12.219 | VV | 12191      | 287587   | 0.30%  | 0.061% |
| 194 | 12.239 | 12.219 | 12.264 | VV | 22259      | 301159   | 0.32%  | 0.064% |

|            |        |        |        |    |         |          |         |         |
|------------|--------|--------|--------|----|---------|----------|---------|---------|
| rteres.txt |        |        |        |    |         |          |         |         |
| 195        | 12.286 | 12.264 | 12.307 | VV | 15708   | 243631   | 0.26%   | 0.052%  |
| 196        | 12.360 | 12.307 | 12.380 | VV | 79429   | 1102203  | 1.16%   | 0.234%  |
| 197        | 12.400 | 12.380 | 12.485 | VV | 49135   | 935765   | 0.99%   | 0.198%  |
| 198        | 12.501 | 12.485 | 12.516 | VV | 3785    | 46387    | 0.05%   | 0.010%  |
| 199        | 12.529 | 12.516 | 12.547 | VV | 3191    | 36979    | 0.04%   | 0.008%  |
| 200        | 12.662 | 12.547 | 12.674 | VV | 16198   | 424923   | 0.45%   | 0.090%  |
| 201        | 12.691 | 12.674 | 12.739 | VV | 48836   | 735977   | 0.78%   | 0.156%  |
| 202        | 12.828 | 12.739 | 12.852 | VV | 4171974 | 94629480 | 100.00% | 20.049% |
| 203        | 12.880 | 12.852 | 12.932 | VV | 3148211 | 49763066 | 52.59%  | 10.543% |
| 204        | 12.976 | 12.932 | 12.999 | VV | 64798   | 954069   | 1.01%   | 0.202%  |
| 205        | 13.032 | 12.999 | 13.057 | VV | 694589  | 8647975  | 9.14%   | 1.832%  |
| 206        | 13.067 | 13.057 | 13.076 | VV | 25770   | 275952   | 0.29%   | 0.058%  |
| 207        | 13.085 | 13.076 | 13.102 | VV | 24616   | 321458   | 0.34%   | 0.068%  |
| 208        | 13.117 | 13.102 | 13.159 | VV | 21248   | 400816   | 0.42%   | 0.085%  |
| 209        | 13.179 | 13.159 | 13.217 | VV | 13670   | 357724   | 0.38%   | 0.076%  |
| 210        | 13.228 | 13.217 | 13.259 | VV | 8713    | 171476   | 0.18%   | 0.036%  |
| 211        | 13.317 | 13.259 | 13.366 | VV | 103573  | 1809802  | 1.91%   | 0.383%  |
| 212        | 13.381 | 13.366 | 13.392 | VV | 8280    | 113591   | 0.12%   | 0.024%  |
| 213        | 13.421 | 13.392 | 13.464 | VV | 23966   | 563379   | 0.60%   | 0.119%  |
| 214        | 13.480 | 13.464 | 13.509 | VV | 11378   | 172765   | 0.18%   | 0.037%  |
| 215        | 13.556 | 13.509 | 13.578 | VV | 55096   | 877453   | 0.93%   | 0.186%  |
| 216        | 13.602 | 13.578 | 13.630 | VV | 30234   | 596175   | 0.63%   | 0.126%  |
| 217        | 13.659 | 13.630 | 13.706 | VV | 33256   | 655019   | 0.69%   | 0.139%  |
| 218        | 13.714 | 13.706 | 13.724 | VV | 1570    | 14376    | 0.02%   | 0.003%  |
| 219        | 13.763 | 13.724 | 13.774 | VV | 8424    | 141032   | 0.15%   | 0.030%  |
| 220        | 13.810 | 13.774 | 13.826 | VV | 99573   | 1392788  | 1.47%   | 0.295%  |
| 221        | 13.850 | 13.826 | 13.880 | VV | 62708   | 1413806  | 1.49%   | 0.300%  |
| 222        | 13.899 | 13.880 | 13.916 | VV | 21085   | 371323   | 0.39%   | 0.079%  |
| 223        | 13.957 | 13.916 | 13.979 | VV | 38326   | 964238   | 1.02%   | 0.204%  |
| 224        | 14.024 | 13.979 | 14.077 | VV | 117335  | 2914343  | 3.08%   | 0.617%  |
| 225        | 14.108 | 14.077 | 14.145 | VV | 115673  | 2069609  | 2.19%   | 0.438%  |
| 226        | 14.170 | 14.145 | 14.206 | VV | 101067  | 1551181  | 1.64%   | 0.329%  |
| 227        | 14.226 | 14.206 | 14.245 | VV | 41682   | 604693   | 0.64%   | 0.128%  |
| 228        | 14.255 | 14.245 | 14.262 | VV | 18434   | 177311   | 0.19%   | 0.038%  |
| 229        | 14.279 | 14.262 | 14.301 | VV | 35538   | 496241   | 0.52%   | 0.105%  |
| 230        | 14.325 | 14.301 | 14.357 | VV | 30629   | 529621   | 0.56%   | 0.112%  |
| 231        | 14.383 | 14.357 | 14.419 | VV | 7187    | 201813   | 0.21%   | 0.043%  |
| 232        | 14.439 | 14.419 | 14.488 | VV | 4957    | 125572   | 0.13%   | 0.027%  |
| 233        | 14.564 | 14.488 | 14.584 | VV | 29766   | 520430   | 0.55%   | 0.110%  |
| 234        | 14.605 | 14.584 | 14.617 | VV | 30073   | 419624   | 0.44%   | 0.089%  |
| 235        | 14.645 | 14.617 | 14.679 | VV | 53373   | 1099490  | 1.16%   | 0.233%  |
| 236        | 14.719 | 14.679 | 14.741 | VV | 8554    | 202736   | 0.21%   | 0.043%  |
| 237        | 14.770 | 14.741 | 14.784 | VV | 5170    | 102613   | 0.11%   | 0.022%  |
| 238        | 14.800 | 14.784 | 14.827 | VV | 5214    | 91356    | 0.10%   | 0.019%  |
| 239        | 14.848 | 14.827 | 14.859 | VV | 4933    | 58189    | 0.06%   | 0.012%  |
| 240        | 14.874 | 14.859 | 14.909 | VV | 4835    | 115334   | 0.12%   | 0.024%  |
| 241        | 14.950 | 14.909 | 14.976 | VV | 7497    | 185236   | 0.20%   | 0.039%  |
| 242        | 15.000 | 14.976 | 15.101 | VV | 10317   | 484534   | 0.51%   | 0.103%  |
| 243        | 15.169 | 15.101 | 15.196 | VV | 22876   | 399433   | 0.42%   | 0.085%  |
| 244        | 15.228 | 15.196 | 15.257 | VV | 58546   | 867883   | 0.92%   | 0.184%  |
| 245        | 15.273 | 15.257 | 15.326 | VV | 7656    | 146759   | 0.16%   | 0.031%  |
| 246        | 15.348 | 15.326 | 15.359 | PV | 5038    | 64255    | 0.07%   | 0.014%  |

| rteres.txt |        |        |        |    |        |         |       |        |
|------------|--------|--------|--------|----|--------|---------|-------|--------|
| 247        | 15.400 | 15.359 | 15.443 | VV | 8274   | 254556  | 0.27% | 0.054% |
| 248        | 15.470 | 15.443 | 15.477 | VV | 3681   | 49019   | 0.05% | 0.010% |
| 249        | 15.495 | 15.477 | 15.507 | VV | 3203   | 53011   | 0.06% | 0.011% |
| 250        | 15.561 | 15.507 | 15.586 | VV | 7227   | 217852  | 0.23% | 0.046% |
| 251        | 15.594 | 15.586 | 15.607 | VV | 3564   | 39502   | 0.04% | 0.008% |
| 252        | 15.666 | 15.607 | 15.696 | VV | 39483  | 693602  | 0.73% | 0.147% |
| 253        | 15.729 | 15.696 | 15.756 | VV | 8792   | 203129  | 0.21% | 0.043% |
| 254        | 15.762 | 15.756 | 15.791 | VV | 3976   | 58424   | 0.06% | 0.012% |
| 255        | 15.835 | 15.791 | 15.852 | VV | 39445  | 691245  | 0.73% | 0.146% |
| 256        | 15.870 | 15.852 | 15.911 | VV | 30449  | 785073  | 0.83% | 0.166% |
| 257        | 15.919 | 15.911 | 15.967 | VV | 14328  | 380309  | 0.40% | 0.081% |
| 258        | 15.976 | 15.967 | 16.000 | VV | 10254  | 186892  | 0.20% | 0.040% |
| 259        | 16.029 | 16.000 | 16.079 | VV | 15831  | 501860  | 0.53% | 0.106% |
| 260        | 16.114 | 16.079 | 16.130 | VV | 30801  | 583517  | 0.62% | 0.124% |
| 261        | 16.148 | 16.130 | 16.187 | VV | 35842  | 682071  | 0.72% | 0.145% |
| 262        | 16.211 | 16.187 | 16.234 | VV | 25483  | 483654  | 0.51% | 0.102% |
| 263        | 16.243 | 16.234 | 16.273 | VV | 16105  | 325885  | 0.34% | 0.069% |
| 264        | 16.299 | 16.273 | 16.317 | VV | 14709  | 352066  | 0.37% | 0.075% |
| 265        | 16.341 | 16.317 | 16.368 | VV | 13526  | 369024  | 0.39% | 0.078% |
| 266        | 16.454 | 16.368 | 16.472 | VV | 73745  | 1782629 | 1.88% | 0.378% |
| 267        | 16.494 | 16.472 | 16.521 | VV | 129206 | 1989549 | 2.10% | 0.422% |
| 268        | 16.531 | 16.521 | 16.552 | VV | 20941  | 349024  | 0.37% | 0.074% |
| 269        | 16.558 | 16.552 | 16.569 | VV | 15665  | 148372  | 0.16% | 0.031% |
| 270        | 16.616 | 16.569 | 16.637 | VV | 43841  | 1059642 | 1.12% | 0.225% |
| 271        | 16.652 | 16.637 | 16.682 | VV | 28958  | 637965  | 0.67% | 0.135% |
| 272        | 16.693 | 16.682 | 16.721 | VV | 21190  | 433074  | 0.46% | 0.092% |
| 273        | 16.770 | 16.721 | 16.786 | VV | 20515  | 712830  | 0.75% | 0.151% |
| 274        | 16.831 | 16.786 | 16.870 | VV | 24248  | 1069264 | 1.13% | 0.227% |
| 275        | 16.892 | 16.870 | 16.936 | VV | 25891  | 888965  | 0.94% | 0.188% |
| 276        | 16.951 | 16.936 | 16.967 | VV | 22922  | 384755  | 0.41% | 0.082% |
| 277        | 16.994 | 16.967 | 17.039 | VV | 31341  | 1045345 | 1.10% | 0.221% |
| 278        | 17.066 | 17.039 | 17.091 | VV | 48347  | 1009413 | 1.07% | 0.214% |
| 279        | 17.109 | 17.091 | 17.124 | VV | 27844  | 497571  | 0.53% | 0.105% |
| 280        | 17.149 | 17.124 | 17.184 | VV | 29474  | 932302  | 0.99% | 0.198% |
| 281        | 17.219 | 17.184 | 17.251 | VV | 31875  | 1057707 | 1.12% | 0.224% |
| 282        | 17.265 | 17.251 | 17.284 | VV | 24991  | 462069  | 0.49% | 0.098% |
| 283        | 17.329 | 17.284 | 17.357 | VV | 26494  | 1094046 | 1.16% | 0.232% |
| 284        | 17.391 | 17.357 | 17.421 | VV | 30682  | 1065881 | 1.13% | 0.226% |
| 285        | 17.498 | 17.421 | 17.546 | VV | 54788  | 2624776 | 2.77% | 0.556% |
| 286        | 17.558 | 17.546 | 17.574 | VV | 31442  | 509615  | 0.54% | 0.108% |
| 287        | 17.617 | 17.574 | 17.639 | VV | 64828  | 1722706 | 1.82% | 0.365% |
| 288        | 17.645 | 17.639 | 17.694 | VV | 46671  | 1245887 | 1.32% | 0.264% |
| 289        | 17.712 | 17.694 | 17.737 | VV | 35870  | 830754  | 0.88% | 0.176% |
| 290        | 17.778 | 17.737 | 17.801 | VV | 38666  | 1332857 | 1.41% | 0.282% |
| 291        | 17.818 | 17.801 | 17.838 | VV | 41473  | 822254  | 0.87% | 0.174% |
| 292        | 17.859 | 17.838 | 17.892 | VV | 50085  | 1338222 | 1.41% | 0.284% |
| 293        | 17.923 | 17.892 | 17.959 | VV | 67496  | 1895845 | 2.00% | 0.402% |
| 294        | 17.985 | 17.959 | 18.004 | VV | 65598  | 1398515 | 1.48% | 0.296% |
| 295        | 18.022 | 18.004 | 18.039 | VV | 48791  | 957147  | 1.01% | 0.203% |
| 296        | 18.062 | 18.039 | 18.087 | VV | 46572  | 1241947 | 1.31% | 0.263% |
| 297        | 18.112 | 18.087 | 18.132 | VV | 54349  | 1243995 | 1.31% | 0.264% |
| 298        | 18.141 | 18.132 | 18.166 | VV | 45433  | 825694  | 0.87% | 0.175% |
| 299        | 18.191 | 18.166 | 18.200 | VV | 45805  | 871524  | 0.92% | 0.185% |

|     |        |        |        |    |            |         |       |        |
|-----|--------|--------|--------|----|------------|---------|-------|--------|
|     |        |        |        |    | rteres.txt |         |       |        |
| 300 | 18.217 | 18.200 | 18.239 | VV | 44604      | 1016752 | 1.07% | 0.215% |
| 301 | 18.257 | 18.239 | 18.271 | VV | 47112      | 831570  | 0.88% | 0.176% |
| 302 | 18.332 | 18.271 | 18.379 | VV | 69884      | 3302515 | 3.49% | 0.700% |
| 303 | 18.404 | 18.379 | 18.432 | VV | 66480      | 1741254 | 1.84% | 0.369% |
| 304 | 18.456 | 18.432 | 18.492 | VV | 68725      | 2077804 | 2.20% | 0.440% |
| 305 | 18.512 | 18.492 | 18.539 | VV | 49040      | 1363575 | 1.44% | 0.289% |
| 306 | 18.551 | 18.539 | 18.564 | VV | 55339      | 774694  | 0.82% | 0.164% |
| 307 | 18.584 | 18.564 | 18.604 | VV | 58160      | 1267035 | 1.34% | 0.268% |
| 308 | 18.621 | 18.604 | 18.641 | VV | 55404      | 1170063 | 1.24% | 0.248% |
| 309 | 18.659 | 18.641 | 18.669 | VV | 57188      | 887874  | 0.94% | 0.188% |
| 310 | 18.686 | 18.669 | 18.696 | VV | 57860      | 889030  | 0.94% | 0.188% |
| 311 | 18.729 | 18.696 | 18.765 | VV | 88696      | 2893826 | 3.06% | 0.613% |
| 312 | 18.806 | 18.765 | 18.822 | VV | 68638      | 2060517 | 2.18% | 0.437% |
| 313 | 18.833 | 18.822 | 18.854 | VV | 62737      | 1129730 | 1.19% | 0.239% |
| 314 | 18.875 | 18.854 | 18.891 | VV | 60919      | 1279959 | 1.35% | 0.271% |
| 315 | 18.925 | 18.891 | 18.944 | VV | 64424      | 1945388 | 2.06% | 0.412% |
| 316 | 18.968 | 18.944 | 18.989 | VV | 62762      | 1626941 | 1.72% | 0.345% |
| 317 | 18.994 | 18.989 | 19.022 | VV | 61126      | 1193608 | 1.26% | 0.253% |
| 318 | 19.032 | 19.022 | 19.054 | VV | 60621      | 1135710 | 1.20% | 0.241% |
| 319 | 19.070 | 19.054 | 19.084 | VV | 62585      | 1086603 | 1.15% | 0.230% |
| 320 | 19.115 | 19.084 | 19.167 | VV | 97761      | 3706403 | 3.92% | 0.785% |
| 321 | 19.221 | 19.167 | 19.253 | VV | 76174      | 3531732 | 3.73% | 0.748% |
| 322 | 19.276 | 19.253 | 19.299 | VV | 73112      | 1957066 | 2.07% | 0.415% |
| 323 | 19.304 | 19.299 | 19.312 | VV | 72723      | 564017  | 0.60% | 0.119% |
| 324 | 19.342 | 19.312 | 19.381 | VV | 77450      | 2928312 | 3.09% | 0.620% |
| 325 | 19.401 | 19.381 | 19.412 | VV | 76918      | 1383567 | 1.46% | 0.293% |
| 326 | 19.431 | 19.412 | 19.459 | VV | 84172      | 2180335 | 2.30% | 0.462% |
| 327 | 19.487 | 19.459 | 19.566 | VV | 99216      | 5378339 | 5.68% | 1.140% |
| 328 | 19.618 | 19.566 | 19.637 | VV | 86968      | 3460829 | 3.66% | 0.733% |
| 329 | 19.655 | 19.637 | 19.678 | VV | 88780      | 2015154 | 2.13% | 0.427% |
| 330 | 19.689 | 19.678 | 19.697 | VV | 80200      | 909168  | 0.96% | 0.193% |
| 331 | 19.731 | 19.697 | 19.750 | VV | 99691      | 2833291 | 2.99% | 0.600% |
| 332 | 19.770 | 19.750 | 19.790 | VV | 90184      | 2040703 | 2.16% | 0.432% |
| 333 | 19.808 | 19.790 | 19.829 | VV | 86607      | 1951708 | 2.06% | 0.414% |
| 334 | 19.852 | 19.829 | 19.876 | VV | 108771     | 2715422 | 2.87% | 0.575% |
| 335 | 19.896 | 19.876 | 19.914 | VV | 102273     | 2188505 | 2.31% | 0.464% |
| 336 | 19.923 | 19.914 | 19.937 | VV | 92427      | 1249633 | 1.32% | 0.265% |
| 337 | 19.963 | 19.937 | 19.985 | VV | 99320      | 2749483 | 2.91% | 0.583% |
| 338 | 19.996 | 19.985 | 20.004 | VV | 97442      | 1068677 | 1.13% | 0.226% |
| 339 | 20.038 | 20.004 | 20.061 | VV | 100699     | 3269499 | 3.46% | 0.693% |
| 340 | 20.071 | 20.061 | 20.099 | VV | 99189      | 2169992 | 2.29% | 0.460% |
| 341 | 20.107 | 20.099 | 20.136 | VV | 95703      | 2054628 | 2.17% | 0.435% |
| 342 | 20.141 | 20.136 | 20.151 | VV | 98337      | 846251  | 0.89% | 0.179% |
| 343 | 20.169 | 20.151 | 20.187 | VV | 97357      | 2082325 | 2.20% | 0.441% |
| 344 | 20.208 | 20.187 | 20.264 | VV | 126910     | 5041856 | 5.33% | 1.068% |
| 345 | 20.314 | 20.264 | 20.323 | VV | 109567     | 3661792 | 3.87% | 0.776% |
| 346 | 20.369 | 20.323 | 20.387 | VV | 108567     | 3985054 | 4.21% | 0.844% |
| 347 | 20.419 | 20.387 | 20.481 | VV | 106181     | 5782070 | 6.11% | 1.225% |
| 348 | 20.484 | 20.481 | 20.519 | VV | 101095     | 2250612 | 2.38% | 0.477% |
| 349 | 20.566 | 20.519 | 20.594 | VV | 119575     | 4747989 | 5.02% | 1.006% |
| 350 | 20.610 | 20.594 | 20.629 | VV | 106415     | 2058777 | 2.18% | 0.436% |
| 351 | 20.647 | 20.629 | 20.673 | VV | 99918      | 2443793 | 2.58% | 0.518% |

|     |        |        |        |     | rteres.txt              |         |           |        |
|-----|--------|--------|--------|-----|-------------------------|---------|-----------|--------|
| 352 | 20.692 | 20.673 | 20.772 | VV  | 97481                   | 5497457 | 5.81%     | 1.165% |
| 353 | 20.780 | 20.772 | 20.804 | VV  | 91206                   | 1689432 | 1.79%     | 0.358% |
| 354 | 20.843 | 20.804 | 20.872 | VV  | 94488                   | 3653754 | 3.86%     | 0.774% |
| 355 | 20.881 | 20.872 | 20.892 | VV  | 88605                   | 1040785 | 1.10%     | 0.221% |
| 356 | 20.901 | 20.892 | 20.911 | VV  | 91584                   | 950206  | 1.00%     | 0.201% |
| 357 | 20.946 | 20.911 | 20.976 | VV  | 99616                   | 3488518 | 3.69%     | 0.739% |
| 358 | 20.986 | 20.976 | 21.026 | VV  | 85425                   | 2439669 | 2.58%     | 0.517% |
| 359 | 21.041 | 21.026 | 21.064 | VV  | 85503                   | 1867024 | 1.97%     | 0.396% |
| 360 | 21.072 | 21.064 | 21.095 | VV  | 81357                   | 1474800 | 1.56%     | 0.312% |
| 361 | 21.118 | 21.095 | 21.129 | VV  | 80593                   | 1586755 | 1.68%     | 0.336% |
| 362 | 21.138 | 21.129 | 21.166 | VV  | 81234                   | 1739342 | 1.84%     | 0.369% |
| 363 | 21.189 | 21.166 | 21.219 | VV  | 76648                   | 2399173 | 2.54%     | 0.508% |
| 364 | 21.236 | 21.219 | 21.276 | VV  | 78607                   | 2485529 | 2.63%     | 0.527% |
| 365 | 21.285 | 21.276 | 21.294 | VV  | 77680                   | 795738  | 0.84%     | 0.169% |
| 366 | 21.304 | 21.294 | 21.332 | VV  | 74650                   | 1640646 | 1.73%     | 0.348% |
| 367 | 21.393 | 21.332 | 21.429 | VV  | 80170                   | 4319528 | 4.56%     | 0.915% |
| 368 | 21.441 | 21.429 | 21.462 | VV  | 72173                   | 1383254 | 1.46%     | 0.293% |
| 369 | 21.477 | 21.462 | 21.489 | VV  | 68942                   | 1044391 | 1.10%     | 0.221% |
| 370 | 21.499 | 21.489 | 21.571 | VV  | 67201                   | 3216280 | 3.40%     | 0.681% |
| 371 | 21.586 | 21.571 | 21.601 | VBA | 64042                   | 1192885 | 1.26%     | 0.253% |
|     |        |        |        |     | Sum of corrected areas: |         | 471988095 |        |

Alaphatic EPH 101718.M Tue Oct 23 08:45:36 2018