

rteres.txt  
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC032719AL\  
Data File : FC040144.D  
Signal(s) : FID1A.CH  
Acq On : 27 Mar 2019 12:22  
Sample : K1693-13DL 2X  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 032319.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         | 3.124       | 3.066        | 3.144      | BV       | 96             | 1848         | 0.07%          | 0.004%        |
| 2         | 3.151       | 3.144        | 3.172      | PV       | 94             | 1296         | 0.05%          | 0.003%        |
| 3         | 3.202       | 3.172        | 3.229      | VV       | 306            | 4769         | 0.19%          | 0.010%        |
| 4         | 3.241       | 3.229        | 3.262      | VV       | 151            | 2107         | 0.08%          | 0.004%        |
| 5         | 3.274       | 3.262        | 3.292      | VV       | 176            | 2293         | 0.09%          | 0.005%        |
| 6         | 3.324       | 3.305        | 3.333      | VV       | 165            | 2019         | 0.08%          | 0.004%        |
| 7         | 3.342       | 3.333        | 3.358      | VV       | 161            | 1525         | 0.06%          | 0.003%        |
| 8         | 3.379       | 3.358        | 3.392      | VV       | 311            | 3689         | 0.15%          | 0.008%        |
| 9         | 3.405       | 3.392        | 3.434      | VV       | 251            | 4033         | 0.16%          | 0.008%        |
| 10        | 3.448       | 3.434        | 3.469      | VV       | 861            | 8213         | 0.32%          | 0.017%        |
| 11        | 3.482       | 3.469        | 3.546      | VV       | 229            | 8659         | 0.34%          | 0.018%        |
| 12        | 3.575       | 3.546        | 3.604      | VV       | 235            | 6508         | 0.26%          | 0.013%        |
| 13        | 3.652       | 3.604        | 3.669      | PV       | 314            | 7920         | 0.31%          | 0.016%        |
| 14        | 3.676       | 3.669        | 3.715      | VV       | 243            | 6271         | 0.25%          | 0.013%        |
| 15        | 3.727       | 3.715        | 3.739      | VV       | 208            | 2245         | 0.09%          | 0.005%        |
| 16        | 3.744       | 3.739        | 3.751      | VV       | 203            | 1187         | 0.05%          | 0.002%        |
| 17        | 3.761       | 3.751        | 3.771      | VV       | 216            | 1891         | 0.07%          | 0.004%        |
| 18        | 3.788       | 3.771        | 3.811      | VV       | 257            | 4163         | 0.16%          | 0.009%        |
| 19        | 3.820       | 3.811        | 3.853      | VV       | 212            | 4686         | 0.18%          | 0.010%        |
| 20        | 3.870       | 3.853        | 3.904      | VV       | 461            | 7036         | 0.28%          | 0.015%        |
| 21        | 3.921       | 3.904        | 3.994      | VV       | 235            | 9323         | 0.37%          | 0.019%        |
| 22        | 4.017       | 3.994        | 4.026      | VV       | 228            | 3580         | 0.14%          | 0.007%        |
| 23        | 4.032       | 4.026        | 4.059      | VV       | 276            | 3419         | 0.13%          | 0.007%        |
| 24        | 4.092       | 4.059        | 4.109      | VV       | 351            | 7364         | 0.29%          | 0.015%        |
| 25        | 4.118       | 4.109        | 4.139      | VV       | 329            | 4152         | 0.16%          | 0.009%        |
| 26        | 4.156       | 4.139        | 4.189      | VV       | 279            | 6314         | 0.25%          | 0.013%        |
| 27        | 4.205       | 4.189        | 4.237      | VV       | 252            | 5479         | 0.22%          | 0.011%        |
| 28        | 4.248       | 4.237        | 4.267      | VV       | 266            | 4112         | 0.16%          | 0.009%        |
| 29        | 4.284       | 4.267        | 4.302      | VV       | 322            | 4443         | 0.17%          | 0.009%        |
| 30        | 4.322       | 4.302        | 4.334      | VV       | 240            | 3335         | 0.13%          | 0.007%        |
| 31        | 4.348       | 4.334        | 4.385      | VV       | 314            | 4743         | 0.19%          | 0.010%        |
| 32        | 4.397       | 4.385        | 4.419      | VV       | 187            | 3096         | 0.12%          | 0.006%        |
| 33        | 4.428       | 4.419        | 4.436      | VV       | 192            | 1287         | 0.05%          | 0.003%        |
| 34        | 4.455       | 4.436        | 4.479      | VV       | 303            | 4411         | 0.17%          | 0.009%        |
| 35        | 4.498       | 4.479        | 4.523      | VV       | 316            | 5185         | 0.20%          | 0.011%        |
| 36        | 4.551       | 4.523        | 4.574      | VV       | 248            | 5650         | 0.22%          | 0.012%        |
| 37        | 4.582       | 4.574        | 4.658      | VV       | 241            | 7905         | 0.31%          | 0.016%        |
| 38        | 4.715       | 4.658        | 4.742      | VV       | 302            | 8442         | 0.33%          | 0.017%        |
| 39        | 4.772       | 4.742        | 4.844      | VV       | 252            | 9337         | 0.37%          | 0.019%        |
| 40        | 4.850       | 4.844        | 4.869      | VV       | 151            | 2089         | 0.08%          | 0.004%        |
| 41        | 4.891       | 4.869        | 4.916      | PV       | 657            | 8398         | 0.33%          | 0.017%        |
| 42        | 4.930       | 4.916        | 4.955      | VV       | 489            | 6333         | 0.25%          | 0.013%        |
| 43        | 4.966       | 4.955        | 4.986      | VV       | 220            | 2363         | 0.09%          | 0.005%        |
| 44        | 4.989       | 4.986        | 5.013      | VV       | 192            | 2015         | 0.08%          | 0.004%        |
| 45        | 5.021       | 5.013        | 5.030      | VV       | 138            | 1245         | 0.05%          | 0.003%        |
| 46        | 5.043       | 5.030        | 5.059      | VV       | 188            | 2347         | 0.09%          | 0.005%        |
| 47        | 5.085       | 5.059        | 5.109      | VV       | 457            | 6643         | 0.26%          | 0.014%        |
| 48        | 5.112       | 5.109        | 5.146      | VV       | 187            | 3158         | 0.12%          | 0.007%        |
| 49        | 5.178       | 5.146        | 5.212      | VV       | 418            | 10270        | 0.40%          | 0.021%        |
| 50        | 5.232       | 5.212        | 5.251      | VV       | 219            | 3708         | 0.15%          | 0.008%        |

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|     |       |       |       |    |      |       |       |        |
|-----|-------|-------|-------|----|------|-------|-------|--------|
| 51  | 5.272 | 5.251 | 5.284 | VV | 288  | 3796  | 0.15% | 0.008% |
| 52  | 5.308 | 5.284 | 5.329 | VV | 253  | 4532  | 0.18% | 0.009% |
| 53  | 5.346 | 5.329 | 5.367 | VV | 215  | 3460  | 0.14% | 0.007% |
| 54  | 5.395 | 5.367 | 5.417 | VV | 305  | 5140  | 0.20% | 0.011% |
| 55  | 5.445 | 5.417 | 5.464 | VV | 1483 | 15754 | 0.62% | 0.033% |
| 56  | 5.486 | 5.464 | 5.511 | VV | 379  | 5781  | 0.23% | 0.012% |
| 57  | 5.528 | 5.511 | 5.551 | PV | 249  | 4235  | 0.17% | 0.009% |
| 58  | 5.586 | 5.551 | 5.605 | VV | 491  | 9135  | 0.36% | 0.019% |
| 59  | 5.619 | 5.605 | 5.647 | VV | 317  | 4810  | 0.19% | 0.010% |
| 60  | 5.657 | 5.647 | 5.681 | VV | 260  | 3400  | 0.13% | 0.007% |
| 61  | 5.713 | 5.681 | 5.749 | VV | 300  | 8342  | 0.33% | 0.017% |
| 62  | 5.756 | 5.749 | 5.773 | VV | 176  | 1332  | 0.05% | 0.003% |
| 63  | 5.811 | 5.773 | 5.847 | VV | 262  | 5978  | 0.24% | 0.012% |
| 64  | 5.866 | 5.847 | 5.884 | VV | 828  | 8641  | 0.34% | 0.018% |
| 65  | 5.890 | 5.884 | 5.924 | VV | 258  | 2741  | 0.11% | 0.006% |
| 66  | 5.988 | 5.924 | 5.999 | VV | 184  | 4696  | 0.18% | 0.010% |
| 67  | 6.014 | 5.999 | 6.039 | VV | 423  | 5803  | 0.23% | 0.012% |
| 68  | 6.069 | 6.039 | 6.104 | VV | 370  | 10468 | 0.41% | 0.022% |
| 69  | 6.148 | 6.104 | 6.169 | VV | 725  | 19125 | 0.75% | 0.040% |
| 70  | 6.207 | 6.169 | 6.249 | VV | 680  | 26388 | 1.04% | 0.055% |
| 71  | 6.273 | 6.249 | 6.326 | VV | 1224 | 29158 | 1.15% | 0.060% |
| 72  | 6.341 | 6.326 | 6.358 | VV | 633  | 10699 | 0.42% | 0.022% |
| 73  | 6.376 | 6.358 | 6.411 | VV | 722  | 20112 | 0.79% | 0.042% |
| 74  | 6.429 | 6.411 | 6.454 | VV | 769  | 17003 | 0.67% | 0.035% |
| 75  | 6.495 | 6.454 | 6.519 | VV | 2208 | 39428 | 1.55% | 0.082% |
| 76  | 6.527 | 6.519 | 6.552 | VV | 771  | 12231 | 0.48% | 0.025% |
| 77  | 6.569 | 6.552 | 6.612 | VV | 811  | 24515 | 0.96% | 0.051% |
| 78  | 6.630 | 6.612 | 6.657 | VV | 2144 | 29843 | 1.17% | 0.062% |
| 79  | 6.664 | 6.657 | 6.702 | VV | 708  | 16417 | 0.65% | 0.034% |
| 80  | 6.709 | 6.702 | 6.737 | VV | 659  | 12065 | 0.47% | 0.025% |
| 81  | 6.786 | 6.737 | 6.822 | VV | 1947 | 49444 | 1.95% | 0.102% |
| 82  | 6.838 | 6.822 | 6.917 | VV | 728  | 35800 | 1.41% | 0.074% |
| 83  | 6.926 | 6.917 | 6.943 | VV | 639  | 8922  | 0.35% | 0.018% |
| 84  | 6.966 | 6.943 | 7.004 | VV | 1012 | 27788 | 1.09% | 0.058% |
| 85  | 7.015 | 7.004 | 7.039 | VV | 767  | 13383 | 0.53% | 0.028% |
| 86  | 7.158 | 7.143 | 7.171 | VV | 798  | 11239 | 0.44% | 0.023% |
| 87  | 7.215 | 7.171 | 7.283 | VV | 991  | 35943 | 1.41% | 0.074% |
| 88  | 7.308 | 7.283 | 7.326 | VV | 409  | 6247  | 0.25% | 0.013% |
| 89  | 7.356 | 7.326 | 7.366 | VV | 449  | 7369  | 0.29% | 0.015% |
| 90  | 7.374 | 7.366 | 7.386 | VV | 524  | 5340  | 0.21% | 0.011% |
| 91  | 7.402 | 7.386 | 7.450 | VV | 587  | 15508 | 0.61% | 0.032% |
| 92  | 7.482 | 7.450 | 7.526 | VV | 1267 | 24514 | 0.96% | 0.051% |
| 93  | 7.547 | 7.526 | 7.561 | VV | 402  | 6449  | 0.25% | 0.013% |
| 94  | 7.589 | 7.561 | 7.606 | VV | 2111 | 26747 | 1.05% | 0.055% |
| 95  | 7.616 | 7.606 | 7.634 | VV | 1206 | 13382 | 0.53% | 0.028% |
| 96  | 7.657 | 7.634 | 7.687 | VV | 2042 | 28667 | 1.13% | 0.059% |
| 97  | 7.719 | 7.687 | 7.736 | VV | 2322 | 28700 | 1.13% | 0.059% |
| 98  | 7.750 | 7.736 | 7.760 | VV | 876  | 10790 | 0.42% | 0.022% |
| 99  | 7.771 | 7.760 | 7.796 | VV | 971  | 13534 | 0.53% | 0.028% |
| 100 | 7.828 | 7.796 | 7.846 | VV | 530  | 9503  | 0.37% | 0.020% |
| 101 | 7.864 | 7.846 | 7.924 | VV | 538  | 14008 | 0.55% | 0.029% |
| 102 | 8.018 | 8.002 | 8.044 | VV | 633  | 10848 | 0.43% | 0.022% |
| 103 | 8.069 | 8.044 | 8.092 | VV | 3460 | 40241 | 1.58% | 0.083% |
| 104 | 8.111 | 8.092 | 8.136 | VV | 798  | 16108 | 0.63% | 0.033% |
| 105 | 8.148 | 8.136 | 8.156 | VV | 489  | 5692  | 0.22% | 0.012% |
| 106 | 8.193 | 8.156 | 8.224 | VV | 1199 | 26148 | 1.03% | 0.054% |
| 107 | 8.246 | 8.224 | 8.262 | VV | 401  | 6946  | 0.27% | 0.014% |
| 108 | 8.281 | 8.262 | 8.288 | VV | 380  | 5193  | 0.20% | 0.011% |
| 109 | 8.307 | 8.288 | 8.324 | VV | 968  | 12877 | 0.51% | 0.027% |
| 110 | 8.340 | 8.324 | 8.372 | VV | 2304 | 27575 | 1.09% | 0.057% |
| 111 | 8.393 | 8.372 | 8.408 | VV | 490  | 8359  | 0.33% | 0.017% |
| 112 | 8.429 | 8.408 | 8.441 | VV | 654  | 10149 | 0.40% | 0.021% |
| 113 | 8.478 | 8.441 | 8.499 | VV | 4726 | 79336 | 3.12% | 0.164% |
| 114 | 8.516 | 8.499 | 8.549 | VV | 2648 | 63468 | 2.50% | 0.131% |
| 115 | 8.568 | 8.549 | 8.600 | VV | 1930 | 55794 | 2.20% | 0.115% |

| rteres.txt |        |        |        |    |        |         |        |        |  |
|------------|--------|--------|--------|----|--------|---------|--------|--------|--|
| 116        | 8.632  | 8.600  | 8.651  | VV | 2474   | 60000   | 2.36%  | 0.124% |  |
| 117        | 8.661  | 8.651  | 8.698  | VV | 2141   | 32092   | 1.26%  | 0.066% |  |
| 118        | 8.715  | 8.698  | 8.734  | VV | 417    | 6035    | 0.24%  | 0.012% |  |
| 119        | 8.768  | 8.734  | 8.794  | VV | 901    | 15075   | 0.59%  | 0.031% |  |
| 120        | 8.809  | 8.794  | 8.821  | VV | 379    | 4630    | 0.18%  | 0.010% |  |
|            |        |        |        |    |        |         |        |        |  |
| 121        | 8.850  | 8.821  | 8.909  | VV | 5401   | 69309   | 2.73%  | 0.143% |  |
| 122        | 8.934  | 8.909  | 8.959  | VV | 1059   | 20420   | 0.80%  | 0.042% |  |
| 123        | 8.976  | 8.959  | 8.982  | VV | 664    | 8019    | 0.32%  | 0.017% |  |
| 124        | 9.002  | 8.982  | 9.021  | VV | 1193   | 21047   | 0.83%  | 0.044% |  |
| 125        | 9.031  | 9.021  | 9.047  | VV | 947    | 13515   | 0.53%  | 0.028% |  |
|            |        |        |        |    |        |         |        |        |  |
| 126        | 9.061  | 9.047  | 9.089  | VV | 974    | 18497   | 0.73%  | 0.038% |  |
| 127        | 9.107  | 9.089  | 9.121  | VV | 628    | 11068   | 0.44%  | 0.023% |  |
| 128        | 9.125  | 9.121  | 9.149  | VV | 596    | 8137    | 0.32%  | 0.017% |  |
| 129        | 9.171  | 9.149  | 9.200  | VV | 1409   | 25191   | 0.99%  | 0.052% |  |
| 130        | 9.213  | 9.200  | 9.237  | VV | 728    | 11501   | 0.45%  | 0.024% |  |
|            |        |        |        |    |        |         |        |        |  |
| 131        | 9.257  | 9.237  | 9.316  | VV | 3078   | 54593   | 2.15%  | 0.113% |  |
| 132        | 9.333  | 9.316  | 9.352  | VV | 401    | 6450    | 0.25%  | 0.013% |  |
| 133        | 9.364  | 9.352  | 9.396  | VV | 365    | 4813    | 0.19%  | 0.010% |  |
| 134        | 9.432  | 9.396  | 9.463  | VV | 384    | 7304    | 0.29%  | 0.015% |  |
| 135        | 9.480  | 9.463  | 9.491  | VV | 126    | 1358    | 0.05%  | 0.003% |  |
|            |        |        |        |    |        |         |        |        |  |
| 136        | 9.536  | 9.491  | 9.559  | PV | 326    | 6452    | 0.25%  | 0.013% |  |
| 137        | 9.593  | 9.559  | 9.621  | VV | 632    | 13629   | 0.54%  | 0.028% |  |
| 138        | 9.646  | 9.621  | 9.672  | VV | 1391   | 22472   | 0.88%  | 0.047% |  |
| 139        | 9.698  | 9.672  | 9.711  | VV | 856    | 15195   | 0.60%  | 0.031% |  |
| 140        | 9.730  | 9.711  | 9.754  | VV | 1834   | 26737   | 1.05%  | 0.055% |  |
|            |        |        |        |    |        |         |        |        |  |
| 141        | 9.771  | 9.754  | 9.817  | VV | 1154   | 24035   | 0.95%  | 0.050% |  |
| 142        | 9.847  | 9.817  | 9.862  | VV | 1106   | 19028   | 0.75%  | 0.039% |  |
| 143        | 9.898  | 9.862  | 9.913  | VV | 1561   | 33058   | 1.30%  | 0.068% |  |
| 144        | 9.946  | 9.913  | 9.977  | VV | 2646   | 79429   | 3.13%  | 0.164% |  |
| 145        | 9.992  | 9.977  | 10.029 | VV | 3587   | 58359   | 2.30%  | 0.121% |  |
|            |        |        |        |    |        |         |        |        |  |
| 146        | 10.056 | 10.029 | 10.109 | VV | 2599   | 61490   | 2.42%  | 0.127% |  |
| 147        | 10.116 | 10.109 | 10.136 | VV | 419    | 6073    | 0.24%  | 0.013% |  |
| 148        | 10.146 | 10.136 | 10.162 | VV | 612    | 6226    | 0.25%  | 0.013% |  |
| 149        | 10.180 | 10.162 | 10.198 | VV | 361    | 5744    | 0.23%  | 0.012% |  |
| 150        | 10.217 | 10.198 | 10.229 | VV | 695    | 8539    | 0.34%  | 0.018% |  |
|            |        |        |        |    |        |         |        |        |  |
| 151        | 10.250 | 10.229 | 10.301 | VV | 31387  | 330730  | 13.02% | 0.685% |  |
| 152        | 10.324 | 10.301 | 10.362 | VV | 8759   | 109077  | 4.29%  | 0.226% |  |
| 153        | 10.380 | 10.362 | 10.429 | VV | 1094   | 27961   | 1.10%  | 0.058% |  |
| 154        | 10.443 | 10.429 | 10.475 | VV | 436    | 9542    | 0.38%  | 0.020% |  |
| 155        | 10.494 | 10.475 | 10.512 | VV | 1000   | 12790   | 0.50%  | 0.026% |  |
|            |        |        |        |    |        |         |        |        |  |
| 156        | 10.533 | 10.512 | 10.580 | VV | 3097   | 39563   | 1.56%  | 0.082% |  |
| 157        | 10.613 | 10.580 | 10.620 | PV | 635    | 9036    | 0.36%  | 0.019% |  |
| 158        | 10.641 | 10.620 | 10.674 | VV | 1004   | 25182   | 0.99%  | 0.052% |  |
| 159        | 10.695 | 10.674 | 10.734 | VV | 2912   | 41587   | 1.64%  | 0.086% |  |
| 160        | 10.743 | 10.734 | 10.754 | VV | 550    | 6003    | 0.24%  | 0.012% |  |
|            |        |        |        |    |        |         |        |        |  |
| 161        | 10.785 | 10.754 | 10.817 | VV | 1864   | 33193   | 1.31%  | 0.069% |  |
| 162        | 10.847 | 10.817 | 10.867 | PV | 637    | 8990    | 0.35%  | 0.019% |  |
| 163        | 10.900 | 10.867 | 10.922 | VV | 679    | 10342   | 0.41%  | 0.021% |  |
| 164        | 10.939 | 10.922 | 10.954 | VV | 340    | 4295    | 0.17%  | 0.009% |  |
| 165        | 11.017 | 10.954 | 11.066 | VV | 121500 | 1359322 | 53.50% | 2.813% |  |
|            |        |        |        |    |        |         |        |        |  |
| 166        | 11.082 | 11.066 | 11.129 | VV | 5078   | 87768   | 3.45%  | 0.182% |  |
| 167        | 11.167 | 11.129 | 11.185 | VV | 4510   | 76350   | 3.01%  | 0.158% |  |
| 168        | 11.199 | 11.185 | 11.213 | VV | 2335   | 26505   | 1.04%  | 0.055% |  |
| 169        | 11.230 | 11.213 | 11.284 | VV | 3218   | 46088   | 1.81%  | 0.095% |  |
| 170        | 11.304 | 11.284 | 11.324 | VV | 545    | 6840    | 0.27%  | 0.014% |  |
|            |        |        |        |    |        |         |        |        |  |
| 171        | 11.362 | 11.324 | 11.384 | VV | 2839   | 52915   | 2.08%  | 0.110% |  |
| 172        | 11.414 | 11.384 | 11.472 | VV | 26108  | 312518  | 12.30% | 0.647% |  |
| 173        | 11.519 | 11.472 | 11.539 | VV | 2311   | 30306   | 1.19%  | 0.063% |  |
| 174        | 11.552 | 11.539 | 11.563 | VV | 328    | 3709    | 0.15%  | 0.008% |  |
| 175        | 11.582 | 11.563 | 11.609 | VV | 524    | 7978    | 0.31%  | 0.017% |  |
|            |        |        |        |    |        |         |        |        |  |
| 176        | 11.632 | 11.609 | 11.652 | VV | 457    | 8200    | 0.32%  | 0.017% |  |
| 177        | 11.667 | 11.652 | 11.683 | VV | 469    | 6582    | 0.26%  | 0.014% |  |
| 178        | 11.698 | 11.683 | 11.711 | VV | 541    | 6015    | 0.24%  | 0.012% |  |
| 179        | 11.725 | 11.711 | 11.754 | VV | 592    | 10838   | 0.43%  | 0.022% |  |
| 180        | 11.775 | 11.754 | 11.824 | VV | 723    | 19605   | 0.77%  | 0.041% |  |
|            |        |        |        |    |        |         |        |        |  |
| 181        | 11.841 | 11.824 | 11.874 | VV | 1115   | 19842   | 0.78%  | 0.041% |  |

| rteres.txt |        |        |        |    |        |         |         |
|------------|--------|--------|--------|----|--------|---------|---------|
| 182        | 11.896 | 11.874 | 11.929 | VV | 910    | 17224   | 0.68%   |
| 183        | 11.949 | 11.929 | 11.968 | VV | 2453   | 30465   | 1.20%   |
| 184        | 12.002 | 11.968 | 12.031 | VV | 3536   | 60106   | 2.37%   |
| 185        | 12.065 | 12.031 | 12.104 | VV | 34096  | 381104  | 15.00%  |
| 186        | 12.127 | 12.104 | 12.152 | VV | 2174   | 27340   | 1.08%   |
| 187        | 12.160 | 12.152 | 12.174 | VV | 94     | 1105    | 0.04%   |
| 188        | 12.225 | 12.174 | 12.239 | PV | 720    | 13659   | 0.54%   |
| 189        | 12.255 | 12.239 | 12.294 | VV | 1374   | 26015   | 1.02%   |
| 190        | 12.301 | 12.294 | 12.334 | VV | 525    | 8205    | 0.32%   |
| 191        | 12.363 | 12.334 | 12.391 | VV | 26812  | 301756  | 11.88%  |
| 192        | 12.438 | 12.391 | 12.470 | VV | 130543 | 2540611 | 100.00% |
| 193        | 12.489 | 12.470 | 12.512 | VV | 67119  | 789558  | 31.08%  |
| 194        | 12.523 | 12.512 | 12.547 | VV | 4863   | 72165   | 2.84%   |
| 195        | 12.557 | 12.547 | 12.587 | VV | 1739   | 22230   | 0.87%   |
| 196        | 12.618 | 12.587 | 12.643 | VV | 2651   | 51594   | 2.03%   |
| 197        | 12.666 | 12.643 | 12.724 | VV | 11177  | 151280  | 5.95%   |
| 198        | 12.732 | 12.724 | 12.740 | PV | 119    | 1176    | 0.05%   |
| 199        | 12.760 | 12.740 | 12.779 | VV | 1119   | 13345   | 0.53%   |
| 200        | 12.787 | 12.779 | 12.800 | VV | 629    | 6016    | 0.24%   |
| 201        | 12.820 | 12.800 | 12.861 | VV | 2085   | 32764   | 1.29%   |
| 202        | 12.950 | 12.861 | 12.983 | VV | 5914   | 95387   | 3.75%   |
| 203        | 13.019 | 12.983 | 13.032 | VV | 843    | 14031   | 0.55%   |
| 204        | 13.060 | 13.032 | 13.083 | VV | 5371   | 81788   | 3.22%   |
| 205        | 13.098 | 13.083 | 13.123 | VV | 2438   | 30994   | 1.22%   |
| 206        | 13.143 | 13.123 | 13.164 | VV | 751    | 13398   | 0.53%   |
| 207        | 13.200 | 13.164 | 13.214 | VV | 3091   | 49601   | 1.95%   |
| 208        | 13.227 | 13.214 | 13.252 | VV | 2937   | 40319   | 1.59%   |
| 209        | 13.269 | 13.252 | 13.300 | VV | 1999   | 27223   | 1.07%   |
| 210        | 13.327 | 13.300 | 13.361 | VV | 449    | 9501    | 0.37%   |
| 211        | 13.376 | 13.361 | 13.389 | PV | 261    | 2234    | 0.09%   |
| 212        | 13.433 | 13.389 | 13.454 | VV | 721    | 16211   | 0.64%   |
| 213        | 13.462 | 13.454 | 13.509 | VV | 499    | 10838   | 0.43%   |
| 214        | 13.532 | 13.509 | 13.544 | VV | 301    | 4431    | 0.17%   |
| 215        | 13.562 | 13.544 | 13.572 | VV | 443    | 5398    | 0.21%   |
| 216        | 13.590 | 13.572 | 13.604 | VV | 739    | 9321    | 0.37%   |
| 217        | 13.651 | 13.604 | 13.667 | VV | 1771   | 41682   | 1.64%   |
| 218        | 13.680 | 13.667 | 13.702 | VV | 2328   | 29945   | 1.18%   |
| 219        | 13.714 | 13.702 | 13.734 | VV | 888    | 11204   | 0.44%   |
| 220        | 13.760 | 13.734 | 13.801 | PV | 2998   | 56273   | 2.21%   |
| 221        | 13.817 | 13.801 | 13.836 | VV | 1578   | 23473   | 0.92%   |
| 222        | 13.864 | 13.836 | 13.904 | VV | 2157   | 42460   | 1.67%   |
| 223        | 13.926 | 13.904 | 13.949 | VV | 5061   | 65443   | 2.58%   |
| 224        | 13.979 | 13.949 | 14.009 | VV | 1841   | 37019   | 1.46%   |
| 225        | 14.052 | 14.009 | 14.071 | VV | 646    | 11955   | 0.47%   |
| 226        | 14.110 | 14.071 | 14.152 | VV | 1062   | 21895   | 0.86%   |
| 227        | 14.185 | 14.152 | 14.207 | PV | 1094   | 14077   | 0.55%   |
| 228        | 14.235 | 14.207 | 14.256 | VV | 14988  | 176629  | 6.95%   |
| 229        | 14.277 | 14.256 | 14.357 | VV | 14369  | 212556  | 8.37%   |
| 230        | 14.399 | 14.357 | 14.421 | VV | 3668   | 59673   | 2.35%   |
| 231        | 14.441 | 14.421 | 14.452 | VV | 1069   | 15941   | 0.63%   |
| 232        | 14.470 | 14.452 | 14.504 | VV | 1747   | 29030   | 1.14%   |
| 233        | 14.541 | 14.504 | 14.561 | PV | 1318   | 26111   | 1.03%   |
| 234        | 14.572 | 14.561 | 14.589 | VV | 1018   | 13717   | 0.54%   |
| 235        | 14.599 | 14.589 | 14.629 | VV | 596    | 11546   | 0.45%   |
| 236        | 14.689 | 14.629 | 14.769 | VV | 3716   | 151046  | 5.95%   |
| 237        | 14.820 | 14.769 | 14.845 | VV | 3048   | 59877   | 2.36%   |
| 238        | 14.872 | 14.845 | 14.887 | VV | 2104   | 37951   | 1.49%   |
| 239        | 14.908 | 14.887 | 14.927 | VV | 4555   | 64807   | 2.55%   |
| 240        | 14.945 | 14.927 | 14.972 | VV | 2112   | 39663   | 1.56%   |
| 241        | 14.991 | 14.972 | 15.007 | VV | 1365   | 23919   | 0.94%   |
| 242        | 15.071 | 15.007 | 15.116 | VV | 3168   | 111942  | 4.41%   |
| 243        | 15.147 | 15.116 | 15.170 | VV | 1850   | 41384   | 1.63%   |
| 244        | 15.193 | 15.170 | 15.201 | VV | 1418   | 20634   | 0.81%   |
| 245        | 15.232 | 15.201 | 15.249 | VV | 1972   | 43254   | 1.70%   |
| 246        | 15.267 | 15.249 | 15.285 | VV | 1520   | 29975   | 1.18%   |
| 247        | 15.319 | 15.285 | 15.376 | VV | 4313   | 122733  | 4.83%   |

| rteres.txt |        |        |        |    |       |         |        |
|------------|--------|--------|--------|----|-------|---------|--------|
| 248        | 15.384 | 15.376 | 15.399 | VV | 1519  | 21080   | 0.83%  |
| 249        | 15.461 | 15.399 | 15.486 | VV | 2869  | 98543   | 3.88%  |
| 250        | 15.515 | 15.486 | 15.557 | VV | 3161  | 102797  | 4.05%  |
| 251        | 15.577 | 15.557 | 15.589 | VV | 2663  | 43807   | 1.72%  |
| 252        | 15.614 | 15.589 | 15.637 | VV | 3495  | 82247   | 3.24%  |
| 253        | 15.711 | 15.637 | 15.739 | VV | 4787  | 189594  | 7.46%  |
| 254        | 15.793 | 15.739 | 15.849 | VV | 18511 | 492580  | 19.39% |
| 255        | 15.921 | 15.849 | 15.942 | VV | 7343  | 247450  | 9.74%  |
| 256        | 15.976 | 15.942 | 15.994 | VV | 4912  | 141807  | 5.58%  |
| 257        | 16.015 | 15.994 | 16.046 | VV | 4726  | 135495  | 5.33%  |
| 258        | 16.112 | 16.046 | 16.135 | VV | 13469 | 368325  | 14.50% |
| 259        | 16.167 | 16.135 | 16.207 | VV | 18116 | 376863  | 14.83% |
| 260        | 16.269 | 16.207 | 16.289 | VV | 13268 | 354760  | 13.96% |
| 261        | 16.319 | 16.289 | 16.358 | VV | 9017  | 305068  | 12.01% |
| 262        | 16.426 | 16.358 | 16.449 | VV | 6719  | 345190  | 13.59% |
| 263        | 16.482 | 16.449 | 16.500 | VV | 7535  | 212788  | 8.38%  |
| 264        | 16.532 | 16.500 | 16.560 | VV | 9723  | 298860  | 11.76% |
| 265        | 16.594 | 16.560 | 16.612 | VV | 8515  | 245423  | 9.66%  |
| 266        | 16.666 | 16.612 | 16.681 | VV | 9390  | 339798  | 13.37% |
| 267        | 16.716 | 16.681 | 16.739 | VV | 13475 | 379588  | 14.94% |
| 268        | 16.757 | 16.739 | 16.782 | VV | 9683  | 237434  | 9.35%  |
| 269        | 16.835 | 16.782 | 16.877 | VV | 11401 | 576901  | 22.71% |
| 270        | 16.898 | 16.877 | 16.916 | VV | 10438 | 223253  | 8.79%  |
| 271        | 16.950 | 16.916 | 16.976 | VV | 9515  | 332720  | 13.10% |
| 272        | 17.000 | 16.976 | 17.029 | VV | 9858  | 301990  | 11.89% |
| 273        | 17.063 | 17.029 | 17.095 | VV | 11481 | 415014  | 16.34% |
| 274        | 17.153 | 17.095 | 17.192 | VV | 19035 | 775407  | 30.52% |
| 275        | 17.212 | 17.192 | 17.232 | VV | 11348 | 261668  | 10.30% |
| 276        | 17.314 | 17.232 | 17.399 | VV | 19161 | 1306482 | 51.42% |
| 277        | 17.443 | 17.399 | 17.462 | VV | 15076 | 503719  | 19.83% |
| 278        | 17.480 | 17.462 | 17.492 | VV | 13425 | 225836  | 8.89%  |
| 279        | 17.535 | 17.492 | 17.555 | VV | 20947 | 635153  | 25.00% |
| 280        | 17.575 | 17.555 | 17.606 | VV | 20391 | 495939  | 19.52% |
| 281        | 17.623 | 17.606 | 17.634 | VV | 14221 | 231597  | 9.12%  |
| 282        | 17.680 | 17.634 | 17.736 | VV | 22566 | 1015726 | 39.98% |
| 283        | 17.751 | 17.736 | 17.766 | VV | 14243 | 251149  | 9.89%  |
| 284        | 17.789 | 17.766 | 17.816 | VV | 20639 | 503644  | 19.82% |
| 285        | 17.833 | 17.816 | 17.856 | VV | 15340 | 355682  | 14.00% |
| 286        | 17.877 | 17.856 | 17.904 | VV | 15728 | 441785  | 17.39% |
| 287        | 17.922 | 17.904 | 17.952 | VV | 17291 | 455229  | 17.92% |
| 288        | 17.986 | 17.952 | 18.039 | VV | 22836 | 938082  | 36.92% |
| 289        | 18.051 | 18.039 | 18.064 | VV | 15903 | 232439  | 9.15%  |
| 290        | 18.101 | 18.064 | 18.129 | VV | 21573 | 698837  | 27.51% |
| 291        | 18.150 | 18.129 | 18.203 | VV | 21198 | 810872  | 31.92% |
| 292        | 18.244 | 18.203 | 18.254 | VV | 18711 | 546885  | 21.53% |
| 293        | 18.264 | 18.254 | 18.274 | VV | 18619 | 219020  | 8.62%  |
| 294        | 18.287 | 18.274 | 18.317 | VV | 18509 | 467262  | 18.39% |
| 295        | 18.340 | 18.317 | 18.347 | VV | 19340 | 333011  | 13.11% |
| 296        | 18.384 | 18.347 | 18.410 | VV | 23515 | 782433  | 30.80% |
| 297        | 18.432 | 18.410 | 18.468 | VV | 21835 | 670955  | 26.41% |
| 298        | 18.503 | 18.468 | 18.528 | VV | 20182 | 684775  | 26.95% |
| 299        | 18.557 | 18.528 | 18.594 | VV | 18642 | 698473  | 27.49% |
| 300        | 18.605 | 18.594 | 18.634 | VV | 17225 | 410391  | 16.15% |
| 301        | 18.639 | 18.634 | 18.663 | VV | 16777 | 291168  | 11.46% |
| 302        | 18.673 | 18.663 | 18.687 | VV | 16316 | 228148  | 8.98%  |
| 303        | 18.706 | 18.687 | 18.737 | VV | 16140 | 469456  | 18.48% |
| 304        | 18.746 | 18.737 | 18.755 | VV | 15814 | 172100  | 6.77%  |
| 305        | 18.798 | 18.755 | 18.825 | VV | 20583 | 721686  | 28.41% |
| 306        | 18.849 | 18.825 | 18.912 | VV | 17960 | 838195  | 32.99% |
| 307        | 18.955 | 18.912 | 18.980 | VV | 16112 | 625487  | 24.62% |
| 308        | 19.003 | 18.980 | 19.036 | VV | 16773 | 521196  | 20.51% |
| 309        | 19.093 | 19.036 | 19.123 | VV | 16465 | 789609  | 31.08% |
| 310        | 19.168 | 19.123 | 19.217 | VV | 16121 | 841033  | 33.10% |
| 311        | 19.240 | 19.217 | 19.252 | VV | 15132 | 305786  | 12.04% |
| 312        | 19.274 | 19.252 | 19.312 | VV | 15818 | 527424  | 20.76% |
| 313        | 19.337 | 19.312 | 19.392 | VV | 14237 | 624999  | 24.60% |

|     |        |        |        |    |                         |            |        |        |  |
|-----|--------|--------|--------|----|-------------------------|------------|--------|--------|--|
|     |        |        |        |    |                         | rteres.txt |        |        |  |
| 314 | 19.423 | 19.392 | 19.444 | VV | 12493                   | 375625     | 14.78% | 0.777% |  |
| 315 | 19.501 | 19.444 | 19.549 | VV | 14357                   | 794294     | 31.26% | 1.644% |  |
| 316 | 19.559 | 19.549 | 19.569 | VV | 11294                   | 132342     | 5.21%  | 0.274% |  |
| 317 | 19.597 | 19.569 | 19.637 | VV | 12079                   | 466037     | 18.34% | 0.965% |  |
| 318 | 19.653 | 19.637 | 19.776 | VV | 12003                   | 896044     | 35.27% | 1.855% |  |
| 319 | 19.823 | 19.776 | 19.862 | VV | 12004                   | 558726     | 21.99% | 1.156% |  |
| 320 | 19.909 | 19.862 | 19.974 | VV | 12154                   | 689636     | 27.14% | 1.427% |  |
| 321 | 19.993 | 19.974 | 20.005 | VV | 9205                    | 163290     | 6.43%  | 0.338% |  |
| 322 | 20.015 | 20.005 | 20.037 | VV | 9412                    | 170961     | 6.73%  | 0.354% |  |
| 323 | 20.066 | 20.037 | 20.089 | VV | 8921                    | 265247     | 10.44% | 0.549% |  |
| 324 | 20.158 | 20.089 | 20.208 | VV | 9195                    | 602002     | 23.70% | 1.246% |  |
| 325 | 20.230 | 20.208 | 20.252 | VV | 7916                    | 199100     | 7.84%  | 0.412% |  |
| 326 | 20.272 | 20.252 | 20.281 | VV | 7500                    | 123297     | 4.85%  | 0.255% |  |
| 327 | 20.299 | 20.281 | 20.319 | VV | 7896                    | 162240     | 6.39%  | 0.336% |  |
| 328 | 20.330 | 20.319 | 20.341 | VV | 6730                    | 81817      | 3.22%  | 0.169% |  |
| 329 | 20.407 | 20.341 | 20.419 | VV | 6714                    | 287351     | 11.31% | 0.595% |  |
| 330 | 20.466 | 20.419 | 20.511 | VV | 8410                    | 369222     | 14.53% | 0.764% |  |
| 331 | 20.539 | 20.511 | 20.638 | VV | 5816                    | 402859     | 15.86% | 0.834% |  |
| 332 | 20.658 | 20.638 | 20.678 | VV | 5593                    | 124287     | 4.89%  | 0.257% |  |
| 333 | 20.688 | 20.678 | 20.778 | VV | 4956                    | 269532     | 10.61% | 0.558% |  |
| 334 | 20.825 | 20.778 | 20.875 | VV | 5226                    | 263707     | 10.38% | 0.546% |  |
| 335 | 20.887 | 20.875 | 20.983 | VV | 4179                    | 203263     | 8.00%  | 0.421% |  |
| 336 | 20.999 | 20.983 | 21.007 | VV | 2707                    | 36297      | 1.43%  | 0.075% |  |
| 337 | 21.027 | 21.007 | 21.043 | VV | 3036                    | 58314      | 2.30%  | 0.121% |  |
| 338 | 21.050 | 21.043 | 21.084 | VV | 2381                    | 55706      | 2.19%  | 0.115% |  |
| 339 | 21.104 | 21.084 | 21.138 | VV | 2356                    | 62649      | 2.47%  | 0.130% |  |
| 340 | 21.206 | 21.138 | 21.265 | VV | 3201                    | 155608     | 6.12%  | 0.322% |  |
| 341 | 21.306 | 21.265 | 21.324 | VV | 1337                    | 38697      | 1.52%  | 0.080% |  |
| 342 | 21.341 | 21.324 | 21.390 | VV | 1453                    | 27319      | 1.08%  | 0.057% |  |
|     |        |        |        |    | Sum of corrected areas: | 48314525   |        |        |  |

Alaphatic EPH 032319.M Thu Mar 28 09:05:09 2019