

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC120718AL\  
 Data File : FC038052.D  
 Signal(s) : FID1A.CH  
 Acq On : 07 Dec 2018 19:53  
 Sample : J6233-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 111318.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         | 1.568       | 1.527        | 1.615      | BV       | 3450           | 26716        | 1.14%          | 0.063%        |
| 2         | 1.627       | 1.615        | 1.669      | PV       | 784            | 6089         | 0.26%          | 0.014%        |
| 3         | 1.679       | 1.669        | 1.717      | PV       | 787            | 6817         | 0.29%          | 0.016%        |
| 4         | 1.733       | 1.717        | 1.775      | PV       | 3699           | 27676        | 1.18%          | 0.066%        |
| 5         | 1.785       | 1.775        | 1.822      | VV       | 274            | 2314         | 0.10%          | 0.005%        |
| 6         | 1.833       | 1.822        | 1.884      | VV       | 338            | 3477         | 0.15%          | 0.008%        |
| 7         | 1.902       | 1.884        | 1.952      | PV       | 789            | 8398         | 0.36%          | 0.020%        |
| 8         | 1.967       | 1.952        | 2.015      | PV       | 123            | 1614         | 0.07%          | 0.004%        |
| 9         | 2.022       | 2.015        | 2.052      | VV       | 100            | 1529         | 0.07%          | 0.004%        |
| 10        | 2.064       | 2.052        | 2.110      | PV       | 349            | 3995         | 0.17%          | 0.009%        |
| 11        | 2.127       | 2.110        | 2.182      | VV       | 761            | 7627         | 0.33%          | 0.018%        |
| 12        | 2.187       | 2.182        | 2.210      | VV       | 184            | 2014         | 0.09%          | 0.005%        |
| 13        | 2.225       | 2.210        | 2.236      | VV       | 192            | 1932         | 0.08%          | 0.005%        |
| 14        | 2.248       | 2.236        | 2.257      | PV       | 174            | 1429         | 0.06%          | 0.003%        |
| 15        | 2.271       | 2.257        | 2.312      | VV       | 564            | 7644         | 0.33%          | 0.018%        |
| 16        | 2.344       | 2.312        | 2.370      | PV       | 5210           | 43247        | 1.84%          | 0.102%        |
| 17        | 2.387       | 2.370        | 2.400      | VV       | 1097           | 10083        | 0.43%          | 0.024%        |
| 18        | 2.409       | 2.400        | 2.423      | VV       | 606            | 5098         | 0.22%          | 0.012%        |
| 19        | 2.438       | 2.423        | 2.453      | VV       | 1340           | 10368        | 0.44%          | 0.025%        |
| 20        | 2.469       | 2.453        | 2.494      | VV       | 427            | 6817         | 0.29%          | 0.016%        |
| 21        | 2.505       | 2.494        | 2.542      | VV       | 692            | 7623         | 0.33%          | 0.018%        |
| 22        | 2.585       | 2.542        | 2.635      | VV       | 516            | 11308        | 0.48%          | 0.027%        |
| 23        | 2.670       | 2.635        | 2.709      | VV       | 948            | 13729        | 0.59%          | 0.032%        |
| 24        | 2.722       | 2.709        | 2.733      | VV       | 317            | 2989         | 0.13%          | 0.007%        |
| 25        | 2.753       | 2.733        | 2.795      | VV       | 2804           | 29804        | 1.27%          | 0.071%        |
| 26        | 2.810       | 2.795        | 2.818      | VV       | 394            | 4374         | 0.19%          | 0.010%        |
| 27        | 2.828       | 2.818        | 2.855      | VV       | 558            | 7143         | 0.30%          | 0.017%        |
| 28        | 2.871       | 2.855        | 2.895      | VV       | 496            | 5723         | 0.24%          | 0.014%        |
| 29        | 2.909       | 2.895        | 2.917      | PV       | 277            | 1837         | 0.08%          | 0.004%        |
| 30        | 2.939       | 2.917        | 2.956      | VV       | 651            | 9879         | 0.42%          | 0.023%        |
| 31        | 2.967       | 2.956        | 3.041      | VV       | 319            | 7724         | 0.33%          | 0.018%        |
| 32        | 3.058       | 3.041        | 3.075      | VV       | 221            | 2410         | 0.10%          | 0.006%        |
| 33        | 3.086       | 3.075        | 3.099      | VV       | 187            | 1861         | 0.08%          | 0.004%        |
| 34        | 3.133       | 3.099        | 3.206      | VV       | 639            | 13222        | 0.56%          | 0.031%        |
| 35        | 3.239       | 3.206        | 3.251      | PV       | 299            | 3658         | 0.16%          | 0.009%        |
| 36        | 3.262       | 3.251        | 3.282      | VV       | 322            | 2918         | 0.12%          | 0.007%        |

| rteres.txt |       |       |       |    |      |       |       |        |
|------------|-------|-------|-------|----|------|-------|-------|--------|
| 37         | 3.295 | 3.282 | 3.308 | VV | 324  | 3148  | 0.13% | 0.007% |
| 38         | 3.318 | 3.308 | 3.345 | VV | 320  | 3972  | 0.17% | 0.009% |
| 39         | 3.380 | 3.345 | 3.417 | VV | 575  | 10602 | 0.45% | 0.025% |
| 40         | 3.445 | 3.417 | 3.470 | VV | 313  | 6136  | 0.26% | 0.015% |
| 41         | 3.490 | 3.470 | 3.527 | VV | 1028 | 15634 | 0.67% | 0.037% |
| 42         | 3.559 | 3.527 | 3.592 | VV | 635  | 13316 | 0.57% | 0.032% |
| 43         | 3.608 | 3.592 | 3.629 | VV | 229  | 3881  | 0.17% | 0.009% |
| 44         | 3.647 | 3.629 | 3.680 | VV | 1067 | 12296 | 0.52% | 0.029% |
| 45         | 3.711 | 3.680 | 3.749 | VV | 463  | 11346 | 0.48% | 0.027% |
| 46         | 3.783 | 3.749 | 3.797 | PV | 881  | 11479 | 0.49% | 0.027% |
| 47         | 3.805 | 3.797 | 3.824 | VV | 558  | 6047  | 0.26% | 0.014% |
| 48         | 3.841 | 3.824 | 3.859 | VV | 441  | 6930  | 0.30% | 0.016% |
| 49         | 3.872 | 3.859 | 3.894 | VV | 513  | 7199  | 0.31% | 0.017% |
| 50         | 3.913 | 3.894 | 3.941 | VV | 324  | 7527  | 0.32% | 0.018% |
| 51         | 3.957 | 3.941 | 3.967 | VV | 439  | 5350  | 0.23% | 0.013% |
| 52         | 3.980 | 3.967 | 3.995 | VV | 574  | 7351  | 0.31% | 0.017% |
| 53         | 4.017 | 3.995 | 4.060 | VV | 476  | 10518 | 0.45% | 0.025% |
| 54         | 4.099 | 4.060 | 4.120 | VV | 554  | 13358 | 0.57% | 0.032% |
| 55         | 4.136 | 4.120 | 4.155 | VV | 461  | 7292  | 0.31% | 0.017% |
| 56         | 4.181 | 4.155 | 4.225 | VV | 1316 | 21407 | 0.91% | 0.051% |
| 57         | 4.244 | 4.225 | 4.272 | VV | 363  | 7085  | 0.30% | 0.017% |
| 58         | 4.290 | 4.272 | 4.307 | VV | 323  | 5535  | 0.24% | 0.013% |
| 59         | 4.337 | 4.307 | 4.357 | VV | 516  | 10637 | 0.45% | 0.025% |
| 60         | 4.368 | 4.357 | 4.393 | VV | 784  | 11834 | 0.50% | 0.028% |
| 61         | 4.402 | 4.393 | 4.416 | VV | 577  | 6319  | 0.27% | 0.015% |
| 62         | 4.431 | 4.416 | 4.446 | VV | 1263 | 12814 | 0.55% | 0.030% |
| 63         | 4.455 | 4.446 | 4.467 | VV | 610  | 5749  | 0.25% | 0.014% |
| 64         | 4.485 | 4.467 | 4.522 | VV | 558  | 13005 | 0.55% | 0.031% |
| 65         | 4.573 | 4.522 | 4.620 | VV | 835  | 24112 | 1.03% | 0.057% |
| 66         | 4.637 | 4.620 | 4.672 | VV | 650  | 9997  | 0.43% | 0.024% |
| 67         | 4.730 | 4.672 | 4.746 | VV | 547  | 12269 | 0.52% | 0.029% |
| 68         | 4.807 | 4.746 | 4.836 | VV | 2912 | 40615 | 1.73% | 0.096% |
| 69         | 4.865 | 4.836 | 4.894 | PV | 1357 | 21255 | 0.91% | 0.050% |
| 70         | 4.918 | 4.894 | 4.954 | VV | 486  | 11298 | 0.48% | 0.027% |
| 71         | 4.999 | 4.954 | 5.018 | VV | 940  | 15776 | 0.67% | 0.037% |
| 72         | 5.043 | 5.018 | 5.077 | VV | 538  | 13244 | 0.56% | 0.031% |
| 73         | 5.090 | 5.077 | 5.107 | VV | 367  | 5679  | 0.24% | 0.013% |
| 74         | 5.116 | 5.107 | 5.160 | VV | 418  | 8251  | 0.35% | 0.020% |
| 75         | 5.175 | 5.160 | 5.195 | VV | 571  | 6132  | 0.26% | 0.015% |
| 76         | 5.217 | 5.195 | 5.235 | PV | 1229 | 19430 | 0.83% | 0.046% |
| 77         | 5.251 | 5.235 | 5.271 | VV | 2044 | 22224 | 0.95% | 0.053% |
| 78         | 5.281 | 5.271 | 5.289 | VV | 425  | 3542  | 0.15% | 0.008% |
| 79         | 5.306 | 5.289 | 5.340 | VV | 1035 | 14267 | 0.61% | 0.034% |
| 80         | 5.376 | 5.340 | 5.415 | VV | 1092 | 22500 | 0.96% | 0.053% |
| 81         | 5.423 | 5.415 | 5.445 | VV | 309  | 4367  | 0.19% | 0.010% |
| 82         | 5.459 | 5.445 | 5.479 | VV | 368  | 4545  | 0.19% | 0.011% |
| 83         | 5.496 | 5.479 | 5.533 | VV | 701  | 11561 | 0.49% | 0.027% |
| 84         | 5.555 | 5.533 | 5.580 | PV | 487  | 7099  | 0.30% | 0.017% |
| 85         | 5.611 | 5.580 | 5.642 | VV | 416  | 7875  | 0.34% | 0.019% |
| 86         | 5.658 | 5.642 | 5.675 | VV | 303  | 4882  | 0.21% | 0.012% |
| 87         | 5.707 | 5.675 | 5.726 | VV | 388  | 8551  | 0.36% | 0.020% |
| 88         | 5.762 | 5.726 | 5.780 | VV | 491  | 10320 | 0.44% | 0.024% |
| 89         | 5.803 | 5.780 | 5.826 | VV | 490  | 8355  | 0.36% | 0.020% |

|     |       |       |       |    |            |       |       |        |
|-----|-------|-------|-------|----|------------|-------|-------|--------|
|     |       |       |       |    | rteres.txt |       |       |        |
| 90  | 5.847 | 5.826 | 5.870 | VV | 524        | 10602 | 0.45% | 0.025% |
| 91  | 5.881 | 5.870 | 5.890 | VV | 427        | 4794  | 0.20% | 0.011% |
| 92  | 5.907 | 5.890 | 5.970 | VV | 911        | 19526 | 0.83% | 0.046% |
| 93  | 5.990 | 5.970 | 6.005 | VV | 438        | 6399  | 0.27% | 0.015% |
| 94  | 6.032 | 6.005 | 6.044 | VV | 434        | 5873  | 0.25% | 0.014% |
| 95  | 6.063 | 6.044 | 6.102 | VV | 435        | 11444 | 0.49% | 0.027% |
| 96  | 6.110 | 6.102 | 6.167 | VV | 312        | 9364  | 0.40% | 0.022% |
| 97  | 6.186 | 6.167 | 6.231 | VV | 1895       | 25693 | 1.10% | 0.061% |
| 98  | 6.255 | 6.231 | 6.268 | VV | 202        | 4169  | 0.18% | 0.010% |
| 99  | 6.280 | 6.268 | 6.294 | VV | 254        | 3143  | 0.13% | 0.007% |
| 100 | 6.304 | 6.294 | 6.315 | VV | 298        | 3242  | 0.14% | 0.008% |
| 101 | 6.333 | 6.315 | 6.349 | VV | 1138       | 14185 | 0.61% | 0.034% |
| 102 | 6.361 | 6.349 | 6.387 | VV | 715        | 8670  | 0.37% | 0.021% |
| 103 | 6.403 | 6.387 | 6.414 | VV | 296        | 3097  | 0.13% | 0.007% |
| 104 | 6.425 | 6.414 | 6.441 | VV | 249        | 2936  | 0.13% | 0.007% |
| 105 | 6.467 | 6.441 | 6.480 | VV | 329        | 5317  | 0.23% | 0.013% |
| 106 | 6.497 | 6.480 | 6.520 | VV | 509        | 6622  | 0.28% | 0.016% |
| 107 | 6.530 | 6.520 | 6.549 | VV | 303        | 2900  | 0.12% | 0.007% |
| 108 | 6.562 | 6.549 | 6.605 | VV | 275        | 4564  | 0.19% | 0.011% |
| 109 | 6.627 | 6.605 | 6.650 | PV | 306        | 5358  | 0.23% | 0.013% |
| 110 | 6.695 | 6.650 | 6.715 | VV | 459        | 12209 | 0.52% | 0.029% |
| 111 | 6.737 | 6.715 | 6.760 | VV | 557        | 8229  | 0.35% | 0.019% |
| 112 | 6.783 | 6.760 | 6.802 | VV | 410        | 7623  | 0.33% | 0.018% |
| 113 | 6.809 | 6.802 | 6.827 | VV | 388        | 4246  | 0.18% | 0.010% |
| 114 | 6.839 | 6.827 | 6.855 | VV | 357        | 3680  | 0.16% | 0.009% |
| 115 | 6.882 | 6.855 | 6.939 | VV | 1063       | 19256 | 0.82% | 0.046% |
| 116 | 6.961 | 6.939 | 7.025 | VV | 1123       | 22774 | 0.97% | 0.054% |
| 117 | 7.040 | 7.025 | 7.072 | VV | 486        | 8806  | 0.38% | 0.021% |
| 118 | 7.101 | 7.072 | 7.137 | VV | 758        | 14812 | 0.63% | 0.035% |
| 119 | 7.162 | 7.137 | 7.184 | VV | 583        | 8447  | 0.36% | 0.020% |
| 120 | 7.208 | 7.184 | 7.220 | VV | 362        | 4941  | 0.21% | 0.012% |
| 121 | 7.245 | 7.220 | 7.255 | VV | 402        | 6069  | 0.26% | 0.014% |
| 122 | 7.270 | 7.255 | 7.300 | VV | 506        | 8713  | 0.37% | 0.021% |
| 123 | 7.314 | 7.300 | 7.330 | VV | 300        | 4424  | 0.19% | 0.010% |
| 124 | 7.361 | 7.330 | 7.395 | VV | 1205       | 18864 | 0.80% | 0.045% |
| 125 | 7.433 | 7.395 | 7.447 | VV | 696        | 15093 | 0.64% | 0.036% |
| 126 | 7.459 | 7.447 | 7.475 | VV | 877        | 13014 | 0.56% | 0.031% |
| 127 | 7.519 | 7.475 | 7.609 | VV | 1774       | 62233 | 2.65% | 0.147% |
| 128 | 7.621 | 7.609 | 7.637 | VV | 430        | 5463  | 0.23% | 0.013% |
| 129 | 7.667 | 7.637 | 7.679 | VV | 566        | 8852  | 0.38% | 0.021% |
| 130 | 7.693 | 7.679 | 7.705 | VV | 528        | 6636  | 0.28% | 0.016% |
| 131 | 7.718 | 7.705 | 7.742 | VV | 616        | 7257  | 0.31% | 0.017% |
| 132 | 7.754 | 7.742 | 7.767 | VV | 240        | 2211  | 0.09% | 0.005% |
| 133 | 7.787 | 7.767 | 7.809 | VV | 1131       | 13442 | 0.57% | 0.032% |
| 134 | 7.829 | 7.809 | 7.859 | VV | 608        | 9584  | 0.41% | 0.023% |
| 135 | 7.872 | 7.859 | 7.890 | VV | 503        | 6262  | 0.27% | 0.015% |
| 136 | 7.920 | 7.890 | 7.947 | VV | 477        | 12590 | 0.54% | 0.030% |
| 137 | 7.967 | 7.947 | 7.999 | VV | 1277       | 20058 | 0.86% | 0.047% |
| 138 | 8.011 | 7.999 | 8.034 | VV | 524        | 6471  | 0.28% | 0.015% |
| 139 | 8.107 | 8.034 | 8.184 | VV | 1268       | 33746 | 1.44% | 0.080% |
| 140 | 8.199 | 8.184 | 8.229 | VV | 320        | 7530  | 0.32% | 0.018% |
| 141 | 8.239 | 8.229 | 8.277 | VV | 273        | 5090  | 0.22% | 0.012% |

| rteres.txt |        |        |        |    |      |       |       |        |
|------------|--------|--------|--------|----|------|-------|-------|--------|
| 142        | 8.331  | 8.277  | 8.357  | VV | 504  | 14458 | 0.62% | 0.034% |
| 143        | 8.400  | 8.357  | 8.426  | VV | 851  | 20394 | 0.87% | 0.048% |
| 144        | 8.462  | 8.426  | 8.479  | VV | 842  | 16319 | 0.70% | 0.039% |
| 145        | 8.498  | 8.479  | 8.527  | VV | 1340 | 21230 | 0.91% | 0.050% |
|            |        |        |        |    |      |       |       |        |
| 146        | 8.565  | 8.527  | 8.599  | VV | 426  | 11894 | 0.51% | 0.028% |
| 147        | 8.639  | 8.599  | 8.648  | VV | 409  | 6940  | 0.30% | 0.016% |
| 148        | 8.685  | 8.648  | 8.738  | VV | 899  | 28792 | 1.23% | 0.068% |
| 149        | 8.750  | 8.738  | 8.765  | VV | 521  | 6577  | 0.28% | 0.016% |
| 150        | 8.787  | 8.765  | 8.844  | VV | 1297 | 28088 | 1.20% | 0.066% |
|            |        |        |        |    |      |       |       |        |
| 151        | 8.866  | 8.844  | 8.887  | VV | 466  | 7232  | 0.31% | 0.017% |
| 152        | 8.914  | 8.887  | 8.928  | VV | 399  | 7284  | 0.31% | 0.017% |
| 153        | 8.971  | 8.928  | 9.028  | VV | 2556 | 54886 | 2.34% | 0.130% |
| 154        | 9.037  | 9.028  | 9.045  | VV | 248  | 1989  | 0.08% | 0.005% |
| 155        | 9.070  | 9.045  | 9.111  | VV | 474  | 11702 | 0.50% | 0.028% |
|            |        |        |        |    |      |       |       |        |
| 156        | 9.145  | 9.111  | 9.183  | VV | 1370 | 24526 | 1.05% | 0.058% |
| 157        | 9.230  | 9.183  | 9.262  | VV | 582  | 17274 | 0.74% | 0.041% |
| 158        | 9.286  | 9.262  | 9.303  | VV | 563  | 9397  | 0.40% | 0.022% |
| 159        | 9.327  | 9.303  | 9.349  | VV | 438  | 9524  | 0.41% | 0.023% |
| 160        | 9.372  | 9.349  | 9.408  | VV | 207  | 5261  | 0.22% | 0.012% |
|            |        |        |        |    |      |       |       |        |
| 161        | 9.434  | 9.408  | 9.454  | VV | 225  | 3291  | 0.14% | 0.008% |
| 162        | 9.474  | 9.454  | 9.490  | VV | 363  | 5309  | 0.23% | 0.013% |
| 163        | 9.510  | 9.490  | 9.534  | VV | 458  | 8942  | 0.38% | 0.021% |
| 164        | 9.555  | 9.534  | 9.598  | VV | 1481 | 24776 | 1.06% | 0.059% |
| 165        | 9.605  | 9.598  | 9.611  | VV | 329  | 2370  | 0.10% | 0.006% |
|            |        |        |        |    |      |       |       |        |
| 166        | 9.629  | 9.611  | 9.710  | VV | 451  | 14551 | 0.62% | 0.034% |
| 167        | 9.773  | 9.710  | 9.810  | VV | 301  | 9368  | 0.40% | 0.022% |
| 168        | 9.830  | 9.810  | 9.859  | VV | 260  | 4091  | 0.17% | 0.010% |
| 169        | 9.938  | 9.859  | 9.983  | PV | 1149 | 30660 | 1.31% | 0.073% |
| 170        | 9.995  | 9.983  | 10.005 | VV | 315  | 3213  | 0.14% | 0.008% |
|            |        |        |        |    |      |       |       |        |
| 171        | 10.019 | 10.005 | 10.052 | VV | 310  | 6554  | 0.28% | 0.016% |
| 172        | 10.081 | 10.052 | 10.109 | VV | 492  | 9101  | 0.39% | 0.022% |
| 173        | 10.121 | 10.109 | 10.159 | VV | 191  | 4618  | 0.20% | 0.011% |
| 174        | 10.213 | 10.159 | 10.234 | VV | 392  | 10375 | 0.44% | 0.025% |
| 175        | 10.287 | 10.234 | 10.320 | VV | 1574 | 41968 | 1.79% | 0.099% |
|            |        |        |        |    |      |       |       |        |
| 176        | 10.359 | 10.320 | 10.449 | VV | 1747 | 47275 | 2.02% | 0.112% |
| 177        | 10.461 | 10.449 | 10.471 | VV | 313  | 2769  | 0.12% | 0.007% |
| 178        | 10.478 | 10.471 | 10.483 | VV | 256  | 1797  | 0.08% | 0.004% |
| 179        | 10.506 | 10.483 | 10.568 | VV | 457  | 13834 | 0.59% | 0.033% |
| 180        | 10.603 | 10.568 | 10.642 | VV | 352  | 10768 | 0.46% | 0.025% |
|            |        |        |        |    |      |       |       |        |
| 181        | 10.672 | 10.642 | 10.694 | VV | 712  | 13749 | 0.59% | 0.033% |
| 182        | 10.714 | 10.694 | 10.775 | VV | 499  | 14712 | 0.63% | 0.035% |
| 183        | 10.794 | 10.775 | 10.839 | VV | 416  | 10940 | 0.47% | 0.026% |
| 184        | 10.856 | 10.839 | 10.882 | VV | 283  | 5875  | 0.25% | 0.014% |
| 185        | 10.921 | 10.882 | 10.964 | VV | 588  | 18064 | 0.77% | 0.043% |
|            |        |        |        |    |      |       |       |        |
| 186        | 10.987 | 10.964 | 11.052 | VV | 1477 | 30238 | 1.29% | 0.072% |
| 187        | 11.076 | 11.052 | 11.199 | VV | 1478 | 28359 | 1.21% | 0.067% |
| 188        | 11.212 | 11.199 | 11.222 | VV | 128  | 1197  | 0.05% | 0.003% |
| 189        | 11.272 | 11.222 | 11.327 | VV | 347  | 12798 | 0.55% | 0.030% |
| 190        | 11.341 | 11.327 | 11.354 | PV | 229  | 3139  | 0.13% | 0.007% |
|            |        |        |        |    |      |       |       |        |
| 191        | 11.398 | 11.354 | 11.422 | VV | 453  | 12633 | 0.54% | 0.030% |
| 192        | 11.440 | 11.422 | 11.450 | VV | 452  | 6151  | 0.26% | 0.015% |
| 193        | 11.460 | 11.450 | 11.490 | VV | 357  | 6146  | 0.26% | 0.015% |
| 194        | 11.497 | 11.490 | 11.512 | VV | 184  | 1489  | 0.06% | 0.004% |

|     |        |        |        |    |            |         |         |        |  |
|-----|--------|--------|--------|----|------------|---------|---------|--------|--|
|     |        |        |        |    | rteres.txt |         |         |        |  |
| 195 | 11.541 | 11.512 | 11.560 | VV | 217        | 4050    | 0.17%   | 0.010% |  |
| 196 | 11.574 | 11.560 | 11.605 | VV | 269        | 5280    | 0.23%   | 0.012% |  |
| 197 | 11.652 | 11.605 | 11.710 | VV | 1142       | 29001   | 1.24%   | 0.069% |  |
| 198 | 11.749 | 11.710 | 11.772 | VV | 364        | 8251    | 0.35%   | 0.020% |  |
| 199 | 11.779 | 11.772 | 11.810 | VV | 272        | 4530    | 0.19%   | 0.011% |  |
| 200 | 11.853 | 11.822 | 11.897 | VV | 311        | 9283    | 0.40%   | 0.022% |  |
| 201 | 11.947 | 11.897 | 11.976 | VV | 411        | 10364   | 0.44%   | 0.025% |  |
| 202 | 11.995 | 11.976 | 12.013 | VV | 348        | 4301    | 0.18%   | 0.010% |  |
| 203 | 12.040 | 12.013 | 12.075 | VV | 399        | 10347   | 0.44%   | 0.024% |  |
| 204 | 12.089 | 12.075 | 12.100 | VV | 300        | 3923    | 0.17%   | 0.009% |  |
| 205 | 12.124 | 12.100 | 12.149 | VV | 419        | 9343    | 0.40%   | 0.022% |  |
| 206 | 12.157 | 12.149 | 12.167 | VV | 279        | 2217    | 0.09%   | 0.005% |  |
| 207 | 12.201 | 12.167 | 12.219 | VV | 448        | 9275    | 0.40%   | 0.022% |  |
| 208 | 12.226 | 12.219 | 12.264 | VV | 394        | 7384    | 0.31%   | 0.017% |  |
| 209 | 12.287 | 12.264 | 12.327 | VV | 1534       | 24657   | 1.05%   | 0.058% |  |
| 210 | 12.370 | 12.327 | 12.394 | VV | 511        | 12813   | 0.55%   | 0.030% |  |
| 211 | 12.409 | 12.394 | 12.464 | VV | 592        | 12537   | 0.53%   | 0.030% |  |
| 212 | 12.506 | 12.464 | 12.521 | VV | 167        | 4760    | 0.20%   | 0.011% |  |
| 213 | 12.572 | 12.521 | 12.625 | PV | 217        | 6062    | 0.26%   | 0.014% |  |
| 214 | 12.649 | 12.625 | 12.661 | VV | 241        | 2724    | 0.12%   | 0.006% |  |
| 215 | 12.728 | 12.661 | 12.867 | VV | 187735     | 2344178 | 100.00% | 5.548% |  |
| 216 | 12.898 | 12.867 | 12.947 | VV | 1375       | 30778   | 1.31%   | 0.073% |  |
| 217 | 12.965 | 12.947 | 12.992 | VV | 413        | 5810    | 0.25%   | 0.014% |  |
| 218 | 13.007 | 12.992 | 13.019 | VV | 198        | 1697    | 0.07%   | 0.004% |  |
| 219 | 13.037 | 13.019 | 13.055 | VV | 241        | 2957    | 0.13%   | 0.007% |  |
| 220 | 13.132 | 13.055 | 13.157 | PV | 317        | 6890    | 0.29%   | 0.016% |  |
| 221 | 13.168 | 13.157 | 13.188 | VV | 202        | 2759    | 0.12%   | 0.007% |  |
| 222 | 13.199 | 13.188 | 13.240 | VV | 141        | 2979    | 0.13%   | 0.007% |  |
| 223 | 13.272 | 13.240 | 13.281 | PV | 243        | 2042    | 0.09%   | 0.005% |  |
| 224 | 13.303 | 13.281 | 13.314 | PV | 433        | 4968    | 0.21%   | 0.012% |  |
| 225 | 13.318 | 13.314 | 13.328 | VV | 373        | 2571    | 0.11%   | 0.006% |  |
| 226 | 13.342 | 13.328 | 13.374 | VV | 358        | 7659    | 0.33%   | 0.018% |  |
| 227 | 13.404 | 13.374 | 13.426 | VV | 520        | 11330   | 0.48%   | 0.027% |  |
| 228 | 13.452 | 13.426 | 13.465 | VV | 1243       | 17940   | 0.77%   | 0.042% |  |
| 229 | 13.480 | 13.465 | 13.521 | VV | 1291       | 23128   | 0.99%   | 0.055% |  |
| 230 | 13.621 | 13.521 | 13.652 | VV | 558        | 22087   | 0.94%   | 0.052% |  |
| 231 | 13.718 | 13.652 | 13.735 | VV | 691        | 24552   | 1.05%   | 0.058% |  |
| 232 | 13.746 | 13.735 | 13.755 | VV | 540        | 5707    | 0.24%   | 0.014% |  |
| 233 | 13.769 | 13.755 | 13.795 | VV | 595        | 10985   | 0.47%   | 0.026% |  |
| 234 | 13.860 | 13.795 | 13.880 | VV | 1013       | 29715   | 1.27%   | 0.070% |  |
| 235 | 13.914 | 13.880 | 13.939 | VV | 1321       | 30256   | 1.29%   | 0.072% |  |
| 236 | 13.961 | 13.939 | 13.995 | VV | 1760       | 33323   | 1.42%   | 0.079% |  |
| 237 | 14.039 | 13.995 | 14.054 | VV | 1305       | 26981   | 1.15%   | 0.064% |  |
| 238 | 14.070 | 14.054 | 14.092 | VV | 1134       | 20002   | 0.85%   | 0.047% |  |
| 239 | 14.125 | 14.092 | 14.146 | VV | 736        | 18525   | 0.79%   | 0.044% |  |
| 240 | 14.163 | 14.146 | 14.170 | VV | 591        | 7794    | 0.33%   | 0.018% |  |
| 241 | 14.192 | 14.170 | 14.218 | VV | 734        | 15723   | 0.67%   | 0.037% |  |
| 242 | 14.266 | 14.218 | 14.342 | VV | 1110       | 48559   | 2.07%   | 0.115% |  |
| 243 | 14.366 | 14.342 | 14.379 | VV | 581        | 10361   | 0.44%   | 0.025% |  |
| 244 | 14.418 | 14.379 | 14.449 | VV | 817        | 24133   | 1.03%   | 0.057% |  |
| 245 | 14.464 | 14.449 | 14.487 | VV | 751        | 14401   | 0.61%   | 0.034% |  |
| 246 | 14.494 | 14.487 | 14.510 | VV | 621        | 7623    | 0.33%   | 0.018% |  |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 247 | 14.535 | 14.510 | 14.550 | VV | 767        | 15112  | 0.64%  | 0.036% |
| 248 | 14.578 | 14.550 | 14.613 | VV | 1522       | 35031  | 1.49%  | 0.083% |
| 249 | 14.639 | 14.613 | 14.661 | VV | 791        | 17698  | 0.75%  | 0.042% |
| 250 | 14.682 | 14.661 | 14.697 | VV | 889        | 14212  | 0.61%  | 0.034% |
| 251 | 14.709 | 14.697 | 14.744 | VV | 873        | 17862  | 0.76%  | 0.042% |
| 252 | 14.777 | 14.744 | 14.792 | VV | 574        | 12693  | 0.54%  | 0.030% |
| 253 | 14.822 | 14.792 | 14.840 | VV | 643        | 13506  | 0.58%  | 0.032% |
| 254 | 14.875 | 14.840 | 14.905 | VV | 761        | 21683  | 0.92%  | 0.051% |
| 255 | 14.919 | 14.905 | 14.955 | VV | 372        | 8831   | 0.38%  | 0.021% |
| 256 | 14.995 | 14.955 | 15.034 | VV | 845        | 23882  | 1.02%  | 0.057% |
| 257 | 15.043 | 15.034 | 15.055 | VV | 437        | 4133   | 0.18%  | 0.010% |
| 258 | 15.095 | 15.055 | 15.125 | VV | 1018       | 23631  | 1.01%  | 0.056% |
| 259 | 15.142 | 15.125 | 15.167 | VV | 597        | 10743  | 0.46%  | 0.025% |
| 260 | 15.194 | 15.167 | 15.215 | VV | 914        | 16569  | 0.71%  | 0.039% |
| 261 | 15.232 | 15.215 | 15.250 | PV | 201        | 3054   | 0.13%  | 0.007% |
| 262 | 15.297 | 15.250 | 15.312 | VV | 545        | 11975  | 0.51%  | 0.028% |
| 263 | 15.336 | 15.312 | 15.347 | VV | 607        | 8850   | 0.38%  | 0.021% |
| 264 | 15.394 | 15.347 | 15.420 | VV | 752        | 21534  | 0.92%  | 0.051% |
| 265 | 15.429 | 15.420 | 15.452 | VV | 738        | 10243  | 0.44%  | 0.024% |
| 266 | 15.458 | 15.452 | 15.501 | VV | 676        | 14362  | 0.61%  | 0.034% |
| 267 | 15.516 | 15.501 | 15.532 | VV | 743        | 10654  | 0.45%  | 0.025% |
| 268 | 15.592 | 15.532 | 15.617 | VV | 1982       | 51130  | 2.18%  | 0.121% |
| 269 | 15.638 | 15.617 | 15.647 | VV | 1024       | 16294  | 0.70%  | 0.039% |
| 270 | 15.661 | 15.647 | 15.672 | VV | 916        | 12522  | 0.53%  | 0.030% |
| 271 | 15.760 | 15.672 | 15.797 | VV | 2016       | 91105  | 3.89%  | 0.216% |
| 272 | 15.844 | 15.797 | 15.869 | VV | 1867       | 60252  | 2.57%  | 0.143% |
| 273 | 15.928 | 15.869 | 15.945 | VV | 1896       | 74535  | 3.18%  | 0.176% |
| 274 | 15.953 | 15.945 | 15.990 | VV | 1597       | 36396  | 1.55%  | 0.086% |
| 275 | 16.016 | 15.990 | 16.027 | VV | 1782       | 32796  | 1.40%  | 0.078% |
| 276 | 16.077 | 16.027 | 16.119 | VV | 2636       | 108967 | 4.65%  | 0.258% |
| 277 | 16.156 | 16.119 | 16.175 | VV | 2499       | 71926  | 3.07%  | 0.170% |
| 278 | 16.213 | 16.175 | 16.227 | VV | 2666       | 76606  | 3.27%  | 0.181% |
| 279 | 16.257 | 16.227 | 16.277 | VV | 3235       | 83673  | 3.57%  | 0.198% |
| 280 | 16.308 | 16.277 | 16.341 | VV | 3344       | 108487 | 4.63%  | 0.257% |
| 281 | 16.410 | 16.341 | 16.422 | VV | 3322       | 147826 | 6.31%  | 0.350% |
| 282 | 16.444 | 16.422 | 16.461 | VV | 3812       | 77720  | 3.32%  | 0.184% |
| 283 | 16.499 | 16.461 | 16.509 | VV | 5021       | 121537 | 5.18%  | 0.288% |
| 284 | 16.534 | 16.509 | 16.559 | VV | 9766       | 203913 | 8.70%  | 0.483% |
| 285 | 16.570 | 16.559 | 16.599 | VV | 6734       | 132725 | 5.66%  | 0.314% |
| 286 | 16.607 | 16.599 | 16.629 | VV | 5428       | 89953  | 3.84%  | 0.213% |
| 287 | 16.701 | 16.629 | 16.720 | VV | 6415       | 299812 | 12.79% | 0.710% |
| 288 | 16.741 | 16.720 | 16.780 | VV | 7915       | 228427 | 9.74%  | 0.541% |
| 289 | 16.816 | 16.780 | 16.834 | VV | 6449       | 183844 | 7.84%  | 0.435% |
| 290 | 16.865 | 16.834 | 16.880 | VV | 5766       | 158306 | 6.75%  | 0.375% |
| 291 | 16.906 | 16.880 | 16.935 | VV | 10051      | 249554 | 10.65% | 0.591% |
| 292 | 16.942 | 16.935 | 16.959 | VV | 6214       | 83770  | 3.57%  | 0.198% |
| 293 | 16.991 | 16.959 | 17.012 | VV | 10863      | 266155 | 11.35% | 0.630% |
| 294 | 17.028 | 17.012 | 17.044 | VV | 8853       | 150642 | 6.43%  | 0.357% |
| 295 | 17.062 | 17.044 | 17.110 | VV | 9831       | 333983 | 14.25% | 0.790% |
| 296 | 17.132 | 17.110 | 17.145 | VV | 8535       | 168353 | 7.18%  | 0.398% |
| 297 | 17.157 | 17.145 | 17.209 | VV | 8551       | 294084 | 12.55% | 0.696% |
| 298 | 17.246 | 17.209 | 17.264 | VV | 9111       | 265773 | 11.34% | 0.629% |
| 299 | 17.301 | 17.264 | 17.340 | VV | 11319      | 451776 | 19.27% | 1.069% |

|     |        |        |        |    |                         |         |          |        |
|-----|--------|--------|--------|----|-------------------------|---------|----------|--------|
|     |        |        |        |    | rteres.txt              |         |          |        |
| 300 | 17.371 | 17.340 | 17.382 | VV | 12699                   | 279907  | 11.94%   | 0.662% |
| 301 | 17.393 | 17.382 | 17.410 | VV | 12251                   | 189332  | 8.08%    | 0.448% |
| 302 | 17.426 | 17.410 | 17.460 | VV | 13395                   | 328733  | 14.02%   | 0.778% |
| 303 | 17.476 | 17.460 | 17.485 | VV | 8599                    | 125470  | 5.35%    | 0.297% |
| 304 | 17.526 | 17.485 | 17.545 | VV | 19884                   | 486861  | 20.77%   | 1.152% |
| 305 | 17.555 | 17.545 | 17.582 | VV | 13945                   | 276237  | 11.78%   | 0.654% |
| 306 | 17.593 | 17.582 | 17.615 | VV | 11206                   | 211768  | 9.03%    | 0.501% |
| 307 | 17.634 | 17.615 | 17.654 | VV | 11117                   | 233556  | 9.96%    | 0.553% |
| 308 | 17.709 | 17.654 | 17.716 | VV | 13334                   | 427902  | 18.25%   | 1.013% |
| 309 | 17.731 | 17.716 | 17.782 | VV | 13952                   | 490397  | 20.92%   | 1.161% |
| 310 | 17.792 | 17.782 | 17.810 | VV | 11403                   | 184683  | 7.88%    | 0.437% |
| 311 | 17.844 | 17.810 | 17.865 | VV | 14023                   | 409767  | 17.48%   | 0.970% |
| 312 | 17.891 | 17.865 | 17.922 | VV | 22210                   | 560885  | 23.93%   | 1.328% |
| 313 | 17.931 | 17.922 | 17.950 | VV | 12896                   | 208911  | 8.91%    | 0.494% |
| 314 | 17.970 | 17.950 | 17.990 | VV | 12573                   | 274480  | 11.71%   | 0.650% |
| 315 | 18.057 | 17.990 | 18.085 | VV | 13373                   | 708272  | 30.21%   | 1.676% |
| 316 | 18.110 | 18.085 | 18.130 | VV | 14223                   | 360786  | 15.39%   | 0.854% |
| 317 | 18.157 | 18.130 | 18.176 | VV | 13837                   | 369881  | 15.78%   | 0.875% |
| 318 | 18.205 | 18.176 | 18.223 | VV | 14134                   | 387800  | 16.54%   | 0.918% |
| 319 | 18.252 | 18.223 | 18.292 | VV | 16600                   | 632884  | 27.00%   | 1.498% |
| 320 | 18.314 | 18.292 | 18.337 | VV | 22241                   | 482306  | 20.57%   | 1.142% |
| 321 | 18.364 | 18.337 | 18.386 | VV | 20933                   | 517814  | 22.09%   | 1.226% |
| 322 | 18.393 | 18.386 | 18.418 | VV | 16334                   | 303782  | 12.96%   | 0.719% |
| 323 | 18.447 | 18.418 | 18.472 | VV | 17352                   | 541158  | 23.09%   | 1.281% |
| 324 | 18.493 | 18.472 | 18.500 | VV | 18147                   | 297971  | 12.71%   | 0.705% |
| 325 | 18.508 | 18.500 | 18.528 | VV | 18042                   | 292715  | 12.49%   | 0.693% |
| 326 | 18.550 | 18.528 | 18.565 | VV | 18522                   | 400020  | 17.06%   | 0.947% |
| 327 | 18.590 | 18.565 | 18.619 | VV | 18889                   | 580303  | 24.76%   | 1.373% |
| 328 | 18.646 | 18.619 | 18.679 | VV | 26280                   | 773570  | 33.00%   | 1.831% |
| 329 | 18.713 | 18.679 | 18.736 | VV | 23196                   | 708628  | 30.23%   | 1.677% |
| 330 | 18.754 | 18.736 | 18.764 | VV | 19302                   | 322174  | 13.74%   | 0.763% |
| 331 | 18.820 | 18.764 | 18.854 | VV | 25404                   | 1175658 | 50.15%   | 2.783% |
| 332 | 18.861 | 18.854 | 18.870 | VV | 22556                   | 222106  | 9.47%    | 0.526% |
| 333 | 18.879 | 18.870 | 18.887 | VV | 22265                   | 211570  | 9.03%    | 0.501% |
| 334 | 18.905 | 18.887 | 18.920 | VV | 22576                   | 450384  | 19.21%   | 1.066% |
| 335 | 18.934 | 18.920 | 18.961 | VV | 23334                   | 545332  | 23.26%   | 1.291% |
| 336 | 19.029 | 18.961 | 19.080 | VV | 30141                   | 1786991 | 76.23%   | 4.230% |
| 337 | 19.124 | 19.080 | 19.155 | VV | 27868                   | 1178790 | 50.29%   | 2.790% |
| 338 | 19.167 | 19.155 | 19.198 | VV | 26919                   | 659815  | 28.15%   | 1.562% |
| 339 | 19.219 | 19.198 | 19.240 | VV | 27596                   | 674548  | 28.78%   | 1.597% |
| 340 | 19.266 | 19.240 | 19.298 | VV | 27739                   | 940872  | 40.14%   | 2.227% |
| 341 | 19.324 | 19.298 | 19.360 | VV | 30286                   | 1068298 | 45.57%   | 2.529% |
| 342 | 19.413 | 19.360 | 19.445 | VV | 35982                   | 1665197 | 71.04%   | 3.941% |
| 343 | 19.453 | 19.445 | 19.489 | VV | 33112                   | 811296  | 34.61%   | 1.920% |
| 344 | 19.531 | 19.489 | 19.577 | VV | 34305                   | 1707125 | 72.82%   | 4.041% |
| 345 | 19.616 | 19.577 | 19.625 | VV | 34068                   | 954174  | 40.70%   | 2.258% |
| 346 | 19.676 | 19.625 | 19.686 | VV | 36741                   | 1279644 | 54.59%   | 3.029% |
| 347 | 19.733 | 19.686 | 19.746 | VV | 39541                   | 1394373 | 59.48%   | 3.300% |
| 348 | 19.763 | 19.746 | 19.782 | VV | 41578                   | 871335  | 37.17%   | 2.062% |
| 349 | 19.804 | 19.782 | 19.865 | VV | 45193                   | 2076759 | 88.59%   | 4.915% |
|     |        |        |        |    | Sum of corrected areas: |         | 42250237 |        |

Alaphatic EPH 111318.M Mon Dec 10 11:11:14 2018 rteres.txt