

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC111618AL\  
 Data File : FC037747.D  
 Signal(s) : FID1A.CH  
 Acq On : 16 Nov 2018 14:30  
 Sample : J5956-06  
 Misc :  
 ALS Vial : 7 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         | 3.072       | 3.052        | 3.125      | PV       | 498            | 4899         | 0.11%          | 0.004%        |
| 2         | 3.134       | 3.125        | 3.160      | VV       | 181            | 2216         | 0.05%          | 0.002%        |
| 3         | 3.169       | 3.160        | 3.186      | VV       | 268            | 1344         | 0.03%          | 0.001%        |
| 4         | 3.191       | 3.186        | 3.209      | VV       | 154            | 1280         | 0.03%          | 0.001%        |
| 5         | 3.228       | 3.209        | 3.256      | PV       | 220            | 2937         | 0.07%          | 0.003%        |
| 6         | 3.281       | 3.256        | 3.291      | VV       | 165            | 2269         | 0.05%          | 0.002%        |
| 7         | 3.298       | 3.291        | 3.318      | VV       | 143            | 1781         | 0.04%          | 0.002%        |
| 8         | 3.332       | 3.318        | 3.351      | VV       | 171            | 1854         | 0.04%          | 0.002%        |
| 9         | 3.422       | 3.372        | 3.430      | VV       | 165            | 3280         | 0.08%          | 0.003%        |
| 10        | 3.443       | 3.430        | 3.478      | VV       | 205            | 3757         | 0.09%          | 0.003%        |
| 11        | 3.486       | 3.478        | 3.501      | VV       | 216            | 1361         | 0.03%          | 0.001%        |
| 12        | 3.536       | 3.519        | 3.605      | VV       | 165            | 5966         | 0.14%          | 0.005%        |
| 13        | 3.622       | 3.605        | 3.645      | VV       | 184            | 2343         | 0.05%          | 0.002%        |
| 14        | 3.653       | 3.645        | 3.692      | PV       | 166            | 2307         | 0.05%          | 0.002%        |
| 15        | 3.707       | 3.692        | 3.722      | VV       | 189            | 2278         | 0.05%          | 0.002%        |
| 16        | 3.734       | 3.722        | 3.764      | VV       | 177            | 3032         | 0.07%          | 0.003%        |
| 17        | 3.780       | 3.764        | 3.789      | VV       | 221            | 1810         | 0.04%          | 0.002%        |
| 18        | 3.842       | 3.789        | 3.882      | VV       | 650            | 21368        | 0.50%          | 0.018%        |
| 19        | 3.892       | 3.882        | 3.925      | VV       | 519            | 9520         | 0.22%          | 0.008%        |
| 20        | 3.950       | 3.925        | 3.959      | VV       | 426            | 7173         | 0.17%          | 0.006%        |
| 21        | 3.966       | 3.959        | 3.989      | VV       | 346            | 5352         | 0.13%          | 0.005%        |
| 22        | 4.010       | 3.989        | 4.059      | VV       | 395            | 12035        | 0.28%          | 0.010%        |
| 23        | 4.073       | 4.059        | 4.117      | VV       | 297            | 8212         | 0.19%          | 0.007%        |
| 24        | 4.127       | 4.117        | 4.159      | VV       | 703            | 6315         | 0.15%          | 0.005%        |
| 25        | 4.199       | 4.159        | 4.223      | VV       | 403            | 9597         | 0.23%          | 0.008%        |
| 26        | 4.231       | 4.223        | 4.244      | VV       | 298            | 2910         | 0.07%          | 0.002%        |
| 27        | 4.260       | 4.244        | 4.276      | VV       | 322            | 4609         | 0.11%          | 0.004%        |
| 28        | 4.304       | 4.276        | 4.331      | VV       | 340            | 7905         | 0.19%          | 0.007%        |
| 29        | 4.350       | 4.331        | 4.379      | VV       | 624            | 11197        | 0.26%          | 0.010%        |
| 30        | 4.407       | 4.379        | 4.464      | VV       | 429            | 14812        | 0.35%          | 0.013%        |
| 31        | 4.470       | 4.464        | 4.523      | VV       | 302            | 6497         | 0.15%          | 0.006%        |
| 32        | 4.532       | 4.523        | 4.556      | VV       | 199            | 2882         | 0.07%          | 0.002%        |
| 33        | 4.570       | 4.556        | 4.584      | VV       | 246            | 2890         | 0.07%          | 0.002%        |
| 34        | 4.632       | 4.584        | 4.684      | VV       | 218            | 9042         | 0.21%          | 0.008%        |
| 35        | 4.701       | 4.684        | 4.721      | VV       | 220            | 3255         | 0.08%          | 0.003%        |
| 36        | 4.725       | 4.721        | 4.768      | VV       | 241            | 3732         | 0.09%          | 0.003%        |

|    |       |       |       |    |            |       |       |        |  |
|----|-------|-------|-------|----|------------|-------|-------|--------|--|
|    |       |       |       |    | rteres.txt |       |       |        |  |
| 37 | 4.784 | 4.768 | 4.810 | VV | 210        | 4155  | 0.10% | 0.004% |  |
| 38 | 4.822 | 4.810 | 4.852 | VV | 199        | 3926  | 0.09% | 0.003% |  |
| 39 | 4.859 | 4.852 | 4.907 | VV | 180        | 4533  | 0.11% | 0.004% |  |
| 40 | 4.925 | 4.907 | 4.952 | VV | 271        | 4349  | 0.10% | 0.004% |  |
| 41 | 4.962 | 4.952 | 4.979 | VV | 198        | 2153  | 0.05% | 0.002% |  |
| 42 | 5.001 | 4.979 | 5.017 | VV | 221        | 3079  | 0.07% | 0.003% |  |
| 43 | 5.083 | 5.030 | 5.114 | VV | 295        | 8437  | 0.20% | 0.007% |  |
| 44 | 5.122 | 5.114 | 5.162 | VV | 174        | 4555  | 0.11% | 0.004% |  |
| 45 | 5.178 | 5.162 | 5.206 | VV | 169        | 3564  | 0.08% | 0.003% |  |
| 46 | 5.233 | 5.206 | 5.276 | VV | 288        | 7583  | 0.18% | 0.006% |  |
| 47 | 5.282 | 5.276 | 5.331 | VV | 148        | 4504  | 0.11% | 0.004% |  |
| 48 | 5.348 | 5.331 | 5.367 | VV | 318        | 4494  | 0.11% | 0.004% |  |
| 49 | 5.372 | 5.367 | 5.386 | VV | 335        | 2135  | 0.05% | 0.002% |  |
| 50 | 5.395 | 5.386 | 5.435 | VV | 334        | 5872  | 0.14% | 0.005% |  |
| 51 | 5.457 | 5.435 | 5.479 | VV | 223        | 4730  | 0.11% | 0.004% |  |
| 52 | 5.510 | 5.479 | 5.532 | VV | 280        | 6069  | 0.14% | 0.005% |  |
| 53 | 5.539 | 5.532 | 5.557 | VV | 209        | 2513  | 0.06% | 0.002% |  |
| 54 | 5.567 | 5.557 | 5.634 | VV | 269        | 5933  | 0.14% | 0.005% |  |
| 55 | 5.646 | 5.634 | 5.659 | PV | 150        | 1245  | 0.03% | 0.001% |  |
| 56 | 5.681 | 5.659 | 5.702 | VV | 287        | 4412  | 0.10% | 0.004% |  |
| 57 | 5.719 | 5.702 | 5.735 | VV | 270        | 3151  | 0.07% | 0.003% |  |
| 58 | 5.769 | 5.735 | 5.816 | VV | 666        | 18536 | 0.43% | 0.016% |  |
| 59 | 5.827 | 5.816 | 5.838 | VV | 428        | 4527  | 0.11% | 0.004% |  |
| 60 | 5.846 | 5.838 | 5.878 | VV | 366        | 7409  | 0.17% | 0.006% |  |
| 61 | 5.930 | 5.878 | 5.980 | VV | 810        | 23017 | 0.54% | 0.020% |  |
| 62 | 6.001 | 5.980 | 6.027 | VV | 376        | 7228  | 0.17% | 0.006% |  |
| 63 | 6.032 | 6.027 | 6.059 | VV | 234        | 3464  | 0.08% | 0.003% |  |
| 64 | 6.102 | 6.059 | 6.124 | VV | 319        | 8547  | 0.20% | 0.007% |  |
| 65 | 6.133 | 6.124 | 6.161 | VV | 305        | 3795  | 0.09% | 0.003% |  |
| 66 | 6.212 | 6.161 | 6.259 | VV | 298        | 8713  | 0.20% | 0.007% |  |
| 67 | 6.276 | 6.259 | 6.309 | VV | 186        | 3785  | 0.09% | 0.003% |  |
| 68 | 6.352 | 6.309 | 6.414 | VV | 306        | 8486  | 0.20% | 0.007% |  |
| 69 | 6.419 | 6.414 | 6.442 | VV | 152        | 1705  | 0.04% | 0.001% |  |
| 70 | 6.469 | 6.442 | 6.485 | VV | 193        | 3400  | 0.08% | 0.003% |  |
| 71 | 6.512 | 6.485 | 6.548 | VV | 200        | 5066  | 0.12% | 0.004% |  |
| 72 | 6.556 | 6.548 | 6.568 | VV | 101        | 1192  | 0.03% | 0.001% |  |
| 73 | 6.582 | 6.568 | 6.625 | VV | 105        | 2605  | 0.06% | 0.002% |  |
| 74 | 6.640 | 6.625 | 6.655 | PV | 139        | 1847  | 0.04% | 0.002% |  |
| 75 | 6.700 | 6.655 | 6.709 | VV | 204        | 3700  | 0.09% | 0.003% |  |
| 76 | 6.716 | 6.709 | 6.724 | VV | 189        | 1065  | 0.02% | 0.001% |  |
| 77 | 6.745 | 6.724 | 6.787 | VV | 233        | 4725  | 0.11% | 0.004% |  |
| 78 | 6.816 | 6.787 | 6.858 | VV | 385        | 8292  | 0.19% | 0.007% |  |
| 79 | 6.864 | 6.858 | 6.875 | VV | 133        | 1290  | 0.03% | 0.001% |  |
| 80 | 6.900 | 6.875 | 6.925 | VV | 293        | 5666  | 0.13% | 0.005% |  |
| 81 | 6.944 | 6.925 | 6.982 | VV | 286        | 5299  | 0.12% | 0.005% |  |
| 82 | 6.996 | 6.982 | 7.054 | VV | 176        | 5567  | 0.13% | 0.005% |  |
| 83 | 7.087 | 7.054 | 7.105 | VV | 188        | 4252  | 0.10% | 0.004% |  |
| 84 | 7.120 | 7.105 | 7.148 | VV | 328        | 4395  | 0.10% | 0.004% |  |
| 85 | 7.158 | 7.148 | 7.171 | VV | 149        | 1437  | 0.03% | 0.001% |  |
| 86 | 7.186 | 7.171 | 7.212 | VV | 177        | 2395  | 0.06% | 0.002% |  |
| 87 | 7.225 | 7.212 | 7.252 | VV | 140        | 2116  | 0.05% | 0.002% |  |
| 88 | 7.284 | 7.266 | 7.321 | VV | 213        | 3646  | 0.09% | 0.003% |  |
| 89 | 7.391 | 7.360 | 7.402 | VV | 263        | 4390  | 0.10% | 0.004% |  |

|     |        |        |        |    |            |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
|     |        |        |        |    | rteres.txt |        |       |        |
| 90  | 7.535  | 7.402  | 7.616  | VV | 992        | 45753  | 1.07% | 0.039% |
| 91  | 7.633  | 7.616  | 7.655  | VV | 142        | 2030   | 0.05% | 0.002% |
| 92  | 7.708  | 7.655  | 7.781  | VV | 471        | 12676  | 0.30% | 0.011% |
| 93  | 7.805  | 7.781  | 7.829  | VV | 257        | 4692   | 0.11% | 0.004% |
| 94  | 7.895  | 7.829  | 7.935  | VV | 438        | 15180  | 0.36% | 0.013% |
| 95  | 7.982  | 7.935  | 8.011  | VV | 556        | 14346  | 0.34% | 0.012% |
| 96  | 8.040  | 8.011  | 8.065  | VV | 13243      | 165660 | 3.89% | 0.141% |
| 97  | 8.078  | 8.065  | 8.156  | VV | 3366       | 80649  | 1.89% | 0.069% |
| 98  | 8.164  | 8.156  | 8.195  | VV | 483        | 8915   | 0.21% | 0.008% |
| 99  | 8.218  | 8.195  | 8.246  | VV | 368        | 8368   | 0.20% | 0.007% |
| 100 | 8.270  | 8.246  | 8.282  | VV | 217        | 2843   | 0.07% | 0.002% |
| 101 | 8.290  | 8.282  | 8.305  | VV | 144        | 1227   | 0.03% | 0.001% |
| 102 | 8.370  | 8.305  | 8.408  | VV | 644        | 16327  | 0.38% | 0.014% |
| 103 | 8.419  | 8.408  | 8.440  | VV | 364        | 5140   | 0.12% | 0.004% |
| 104 | 8.483  | 8.440  | 8.505  | VV | 626        | 13376  | 0.31% | 0.011% |
| 105 | 8.514  | 8.505  | 8.542  | VV | 497        | 6107   | 0.14% | 0.005% |
| 106 | 8.585  | 8.542  | 8.598  | VV | 200        | 3808   | 0.09% | 0.003% |
| 107 | 8.610  | 8.598  | 8.625  | VV | 206        | 1895   | 0.04% | 0.002% |
| 108 | 8.708  | 8.625  | 8.755  | VV | 436        | 15767  | 0.37% | 0.013% |
| 109 | 8.800  | 8.755  | 8.848  | VV | 1438       | 25684  | 0.60% | 0.022% |
| 110 | 8.852  | 8.848  | 8.862  | VV | 204        | 1066   | 0.03% | 0.001% |
| 111 | 8.884  | 8.862  | 8.902  | VV | 195        | 3165   | 0.07% | 0.003% |
| 112 | 8.932  | 8.902  | 8.945  | VV | 341        | 5967   | 0.14% | 0.005% |
| 113 | 8.988  | 8.945  | 9.077  | VV | 1773       | 42681  | 1.00% | 0.036% |
| 114 | 9.088  | 9.077  | 9.102  | VV | 202        | 2702   | 0.06% | 0.002% |
| 115 | 9.109  | 9.102  | 9.131  | VV | 171        | 2081   | 0.05% | 0.002% |
| 116 | 9.169  | 9.131  | 9.201  | PV | 762        | 16308  | 0.38% | 0.014% |
| 117 | 9.223  | 9.201  | 9.278  | VV | 479        | 15627  | 0.37% | 0.013% |
| 118 | 9.300  | 9.278  | 9.337  | VV | 800        | 14902  | 0.35% | 0.013% |
| 119 | 9.352  | 9.337  | 9.378  | VV | 496        | 7751   | 0.18% | 0.007% |
| 120 | 9.404  | 9.378  | 9.447  | VV | 664        | 12647  | 0.30% | 0.011% |
| 121 | 9.519  | 9.447  | 9.548  | VV | 482        | 20262  | 0.48% | 0.017% |
| 122 | 9.573  | 9.548  | 9.634  | VV | 2827       | 47944  | 1.12% | 0.041% |
| 123 | 9.644  | 9.634  | 9.663  | VV | 553        | 7841   | 0.18% | 0.007% |
| 124 | 9.672  | 9.663  | 9.709  | VV | 432        | 7457   | 0.17% | 0.006% |
| 125 | 9.727  | 9.709  | 9.762  | VV | 247        | 4678   | 0.11% | 0.004% |
| 126 | 9.780  | 9.762  | 9.824  | VV | 197        | 4001   | 0.09% | 0.003% |
| 127 | 9.845  | 9.824  | 9.862  | PV | 142        | 1994   | 0.05% | 0.002% |
| 128 | 9.917  | 9.862  | 9.929  | VV | 484        | 9038   | 0.21% | 0.008% |
| 129 | 9.959  | 9.929  | 9.980  | VV | 1040       | 21070  | 0.49% | 0.018% |
| 130 | 10.007 | 9.980  | 10.022 | VV | 570        | 12235  | 0.29% | 0.010% |
| 131 | 10.049 | 10.022 | 10.068 | VV | 638        | 13946  | 0.33% | 0.012% |
| 132 | 10.098 | 10.068 | 10.122 | VV | 565        | 12791  | 0.30% | 0.011% |
| 133 | 10.143 | 10.122 | 10.175 | VV | 429        | 10978  | 0.26% | 0.009% |
| 134 | 10.195 | 10.175 | 10.204 | VV | 482        | 7192   | 0.17% | 0.006% |
| 135 | 10.231 | 10.204 | 10.247 | VV | 667        | 13278  | 0.31% | 0.011% |
| 136 | 10.305 | 10.247 | 10.339 | VV | 3244       | 68822  | 1.61% | 0.059% |
| 137 | 10.377 | 10.339 | 10.462 | VV | 1349       | 44015  | 1.03% | 0.038% |
| 138 | 10.489 | 10.462 | 10.502 | VV | 300        | 5166   | 0.12% | 0.004% |
| 139 | 10.545 | 10.502 | 10.602 | VV | 2299       | 57075  | 1.34% | 0.049% |
| 140 | 10.627 | 10.602 | 10.666 | VV | 1553       | 42638  | 1.00% | 0.036% |
| 141 | 10.676 | 10.666 | 10.735 | VV | 803        | 24071  | 0.56% | 0.021% |

|     |        |        |        |    |            |         |        |        |  |
|-----|--------|--------|--------|----|------------|---------|--------|--------|--|
|     |        |        |        |    | rteres.txt |         |        |        |  |
| 142 | 10.756 | 10.735 | 10.792 | VV | 510        | 10428   | 0.24%  | 0.009% |  |
| 143 | 10.812 | 10.792 | 10.831 | VV | 253        | 4787    | 0.11%  | 0.004% |  |
| 144 | 10.855 | 10.831 | 10.866 | VV | 321        | 4739    | 0.11%  | 0.004% |  |
| 145 | 10.873 | 10.866 | 10.878 | VV | 224        | 1428    | 0.03%  | 0.001% |  |
| 146 | 10.896 | 10.878 | 10.915 | VV | 225        | 5010    | 0.12%  | 0.004% |  |
| 147 | 10.939 | 10.915 | 10.958 | VV | 594        | 9643    | 0.23%  | 0.008% |  |
| 148 | 11.006 | 10.958 | 11.043 | VV | 1966       | 36599   | 0.86%  | 0.031% |  |
| 149 | 11.094 | 11.043 | 11.135 | VV | 640        | 21981   | 0.52%  | 0.019% |  |
| 150 | 11.142 | 11.135 | 11.148 | VV | 250        | 1624    | 0.04%  | 0.001% |  |
| 151 | 11.192 | 11.148 | 11.223 | VV | 402        | 10509   | 0.25%  | 0.009% |  |
| 152 | 11.304 | 11.223 | 11.359 | PV | 284975     | 3132326 | 73.49% | 2.671% |  |
| 153 | 11.372 | 11.359 | 11.402 | VV | 1396       | 28316   | 0.66%  | 0.024% |  |
| 154 | 11.413 | 11.402 | 11.422 | VV | 793        | 8967    | 0.21%  | 0.008% |  |
| 155 | 11.448 | 11.422 | 11.468 | VV | 1789       | 34159   | 0.80%  | 0.029% |  |
| 156 | 11.482 | 11.468 | 11.499 | VV | 1373       | 20329   | 0.48%  | 0.017% |  |
| 157 | 11.515 | 11.499 | 11.575 | VV | 1388       | 25498   | 0.60%  | 0.022% |  |
| 158 | 11.596 | 11.575 | 11.625 | PV | 252        | 4213    | 0.10%  | 0.004% |  |
| 159 | 11.670 | 11.625 | 11.705 | VV | 1279       | 21538   | 0.51%  | 0.018% |  |
| 160 | 11.727 | 11.705 | 11.765 | VV | 553        | 12277   | 0.29%  | 0.010% |  |
| 161 | 11.775 | 11.765 | 11.794 | VV | 186        | 2554    | 0.06%  | 0.002% |  |
| 162 | 11.819 | 11.794 | 11.846 | PV | 337        | 5982    | 0.14%  | 0.005% |  |
| 163 | 11.882 | 11.846 | 11.896 | VV | 254        | 4753    | 0.11%  | 0.004% |  |
| 164 | 11.927 | 11.896 | 11.991 | VV | 2496       | 65421   | 1.53%  | 0.056% |  |
| 165 | 12.001 | 11.991 | 12.055 | VV | 627        | 17803   | 0.42%  | 0.015% |  |
| 166 | 12.104 | 12.055 | 12.167 | VV | 1242       | 39377   | 0.92%  | 0.034% |  |
| 167 | 12.228 | 12.167 | 12.249 | VV | 1814       | 35810   | 0.84%  | 0.031% |  |
| 168 | 12.267 | 12.249 | 12.285 | VV | 756        | 12987   | 0.30%  | 0.011% |  |
| 169 | 12.305 | 12.285 | 12.322 | VV | 1397       | 19365   | 0.45%  | 0.017% |  |
| 170 | 12.342 | 12.322 | 12.408 | VV | 11642      | 175674  | 4.12%  | 0.150% |  |
| 171 | 12.436 | 12.408 | 12.460 | VV | 566        | 10426   | 0.24%  | 0.009% |  |
| 172 | 12.484 | 12.460 | 12.514 | VV | 709        | 11599   | 0.27%  | 0.010% |  |
| 173 | 12.526 | 12.514 | 12.552 | VV | 504        | 6853    | 0.16%  | 0.006% |  |
| 174 | 12.585 | 12.552 | 12.612 | VV | 497        | 9425    | 0.22%  | 0.008% |  |
| 175 | 12.635 | 12.612 | 12.714 | VV | 12314      | 195308  | 4.58%  | 0.167% |  |
| 176 | 12.747 | 12.714 | 12.808 | VV | 164441     | 2031839 | 47.67% | 1.732% |  |
| 177 | 12.820 | 12.808 | 12.895 | VV | 1164       | 32281   | 0.76%  | 0.028% |  |
| 178 | 12.922 | 12.895 | 12.952 | PV | 1310       | 25320   | 0.59%  | 0.022% |  |
| 179 | 12.972 | 12.952 | 13.012 | VV | 726        | 11396   | 0.27%  | 0.010% |  |
| 180 | 13.047 | 13.012 | 13.075 | VV | 518        | 11976   | 0.28%  | 0.010% |  |
| 181 | 13.101 | 13.075 | 13.132 | VV | 1105       | 21251   | 0.50%  | 0.018% |  |
| 182 | 13.157 | 13.132 | 13.185 | VV | 1686       | 33507   | 0.79%  | 0.029% |  |
| 183 | 13.231 | 13.185 | 13.312 | VV | 2450       | 79569   | 1.87%  | 0.068% |  |
| 184 | 13.341 | 13.312 | 13.355 | VV | 1398       | 22499   | 0.53%  | 0.019% |  |
| 185 | 13.374 | 13.355 | 13.445 | VV | 1971       | 45415   | 1.07%  | 0.039% |  |
| 186 | 13.498 | 13.445 | 13.523 | VV | 2682       | 67338   | 1.58%  | 0.057% |  |
| 187 | 13.542 | 13.523 | 13.571 | VV | 1349       | 23807   | 0.56%  | 0.020% |  |
| 188 | 13.582 | 13.571 | 13.599 | VV | 298        | 4274    | 0.10%  | 0.004% |  |
| 189 | 13.608 | 13.599 | 13.638 | VV | 356        | 5021    | 0.12%  | 0.004% |  |
| 190 | 13.646 | 13.638 | 13.668 | VV | 192        | 2577    | 0.06%  | 0.002% |  |
| 191 | 13.684 | 13.668 | 13.702 | VV | 476        | 6088    | 0.14%  | 0.005% |  |
| 192 | 13.718 | 13.702 | 13.740 | VV | 322        | 5636    | 0.13%  | 0.005% |  |
| 193 | 13.752 | 13.740 | 13.769 | VV | 472        | 4757    | 0.11%  | 0.004% |  |
| 194 | 13.782 | 13.769 | 13.798 | PV | 206        | 2267    | 0.05%  | 0.002% |  |

|     |        |        |        |    | rteres.txt |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
| 195 | 13.819 | 13.798 | 13.828 | VV | 196        | 2989   | 0.07%  | 0.003% |
| 196 | 13.883 | 13.828 | 13.902 | VV | 699        | 13470  | 0.32%  | 0.011% |
| 197 | 13.926 | 13.902 | 13.958 | VV | 1304       | 32512  | 0.76%  | 0.028% |
| 198 | 13.980 | 13.958 | 14.017 | VV | 1237       | 29526  | 0.69%  | 0.025% |
| 199 | 14.060 | 14.017 | 14.075 | VV | 1484       | 28189  | 0.66%  | 0.024% |
| 200 | 14.088 | 14.075 | 14.108 | VV | 1192       | 17368  | 0.41%  | 0.015% |
| 201 | 14.153 | 14.108 | 14.175 | VV | 1601       | 40152  | 0.94%  | 0.034% |
| 202 | 14.198 | 14.175 | 14.220 | VV | 2798       | 42261  | 0.99%  | 0.036% |
| 203 | 14.227 | 14.220 | 14.251 | VV | 952        | 14107  | 0.33%  | 0.012% |
| 204 | 14.285 | 14.251 | 14.302 | VV | 1472       | 28773  | 0.68%  | 0.025% |
| 205 | 14.318 | 14.302 | 14.336 | VV | 1065       | 14478  | 0.34%  | 0.012% |
| 206 | 14.351 | 14.336 | 14.372 | VV | 500        | 6366   | 0.15%  | 0.005% |
| 207 | 14.384 | 14.372 | 14.431 | VV | 545        | 7909   | 0.19%  | 0.007% |
| 208 | 14.512 | 14.431 | 14.530 | PV | 6280       | 114281 | 2.68%  | 0.097% |
| 209 | 14.550 | 14.530 | 14.584 | VV | 7472       | 142925 | 3.35%  | 0.122% |
| 210 | 14.597 | 14.584 | 14.622 | VV | 1630       | 25971  | 0.61%  | 0.022% |
| 211 | 14.666 | 14.622 | 14.682 | VV | 1692       | 36626  | 0.86%  | 0.031% |
| 212 | 14.698 | 14.682 | 14.730 | VV | 1430       | 26357  | 0.62%  | 0.022% |
| 213 | 14.743 | 14.730 | 14.788 | VV | 591        | 10791  | 0.25%  | 0.009% |
| 214 | 14.842 | 14.788 | 14.862 | PV | 989        | 22276  | 0.52%  | 0.019% |
| 215 | 14.884 | 14.862 | 14.908 | VV | 596        | 11632  | 0.27%  | 0.010% |
| 216 | 14.986 | 14.908 | 15.094 | PV | 7054       | 299159 | 7.02%  | 0.255% |
| 217 | 15.115 | 15.094 | 15.146 | VV | 2585       | 56098  | 1.32%  | 0.048% |
| 218 | 15.181 | 15.146 | 15.203 | VV | 3805       | 72026  | 1.69%  | 0.061% |
| 219 | 15.218 | 15.203 | 15.244 | VV | 1904       | 31973  | 0.75%  | 0.027% |
| 220 | 15.344 | 15.244 | 15.395 | VV | 1969       | 91634  | 2.15%  | 0.078% |
| 221 | 15.412 | 15.395 | 15.423 | VV | 1077       | 16071  | 0.38%  | 0.014% |
| 222 | 15.427 | 15.423 | 15.448 | VV | 922        | 10328  | 0.24%  | 0.009% |
| 223 | 15.509 | 15.448 | 15.550 | VV | 1228       | 44377  | 1.04%  | 0.038% |
| 224 | 15.614 | 15.550 | 15.642 | VV | 5765       | 104662 | 2.46%  | 0.089% |
| 225 | 15.648 | 15.642 | 15.668 | VV | 1006       | 11535  | 0.27%  | 0.010% |
| 226 | 15.687 | 15.668 | 15.699 | VV | 1023       | 11461  | 0.27%  | 0.010% |
| 227 | 15.789 | 15.699 | 15.804 | VV | 1393       | 52271  | 1.23%  | 0.045% |
| 228 | 15.815 | 15.804 | 15.840 | VV | 1339       | 23132  | 0.54%  | 0.020% |
| 229 | 15.875 | 15.840 | 15.898 | VV | 2266       | 54884  | 1.29%  | 0.047% |
| 230 | 15.922 | 15.898 | 15.935 | VV | 1793       | 34439  | 0.81%  | 0.029% |
| 231 | 15.987 | 15.935 | 16.012 | VV | 2644       | 95648  | 2.24%  | 0.082% |
| 232 | 16.060 | 16.012 | 16.076 | VV | 13565      | 253408 | 5.95%  | 0.216% |
| 233 | 16.094 | 16.076 | 16.130 | VV | 14658      | 254400 | 5.97%  | 0.217% |
| 234 | 16.155 | 16.130 | 16.168 | VV | 4105       | 80107  | 1.88%  | 0.068% |
| 235 | 16.192 | 16.168 | 16.213 | VV | 6054       | 135167 | 3.17%  | 0.115% |
| 236 | 16.229 | 16.213 | 16.253 | VV | 5181       | 105166 | 2.47%  | 0.090% |
| 237 | 16.284 | 16.253 | 16.299 | VV | 4431       | 103584 | 2.43%  | 0.088% |
| 238 | 16.377 | 16.299 | 16.412 | VV | 11858      | 438643 | 10.29% | 0.374% |
| 239 | 16.439 | 16.412 | 16.479 | VV | 12649      | 326706 | 7.67%  | 0.279% |
| 240 | 16.560 | 16.479 | 16.588 | VV | 21946      | 625194 | 14.67% | 0.533% |
| 241 | 16.598 | 16.588 | 16.619 | VV | 7671       | 131089 | 3.08%  | 0.112% |
| 242 | 16.667 | 16.619 | 16.682 | VV | 6996       | 252137 | 5.92%  | 0.215% |
| 243 | 16.761 | 16.682 | 16.779 | VV | 9437       | 451224 | 10.59% | 0.385% |
| 244 | 16.829 | 16.779 | 16.842 | VV | 9486       | 326474 | 7.66%  | 0.278% |
| 245 | 16.849 | 16.842 | 16.872 | VV | 10226      | 171649 | 4.03%  | 0.146% |
| 246 | 16.930 | 16.872 | 16.952 | VV | 12165      | 479233 | 11.24% | 0.409% |

|     |        |        |        |    |            |         |         |        |
|-----|--------|--------|--------|----|------------|---------|---------|--------|
|     |        |        |        |    | rteres.txt |         |         |        |
| 247 | 16.967 | 16.952 | 16.980 | VV | 10906      | 171397  | 4.02%   | 0.146% |
| 248 | 17.010 | 16.980 | 17.038 | VV | 28547      | 592695  | 13.91%  | 0.505% |
| 249 | 17.052 | 17.038 | 17.068 | VV | 11107      | 191806  | 4.50%   | 0.164% |
| 250 | 17.104 | 17.068 | 17.125 | VV | 13382      | 403888  | 9.48%   | 0.344% |
| 251 | 17.154 | 17.125 | 17.168 | VV | 11265      | 280638  | 6.58%   | 0.239% |
| 252 | 17.184 | 17.168 | 17.205 | VV | 11188      | 237478  | 5.57%   | 0.202% |
| 253 | 17.219 | 17.205 | 17.232 | VV | 10907      | 170372  | 4.00%   | 0.145% |
| 254 | 17.256 | 17.232 | 17.264 | VV | 11331      | 209584  | 4.92%   | 0.179% |
| 255 | 17.318 | 17.264 | 17.362 | VV | 13370      | 704611  | 16.53%  | 0.601% |
| 256 | 17.443 | 17.362 | 17.498 | VV | 32345      | 1389532 | 32.60%  | 1.185% |
| 257 | 17.551 | 17.498 | 17.579 | VV | 18452      | 775519  | 18.20%  | 0.661% |
| 258 | 17.598 | 17.579 | 17.625 | VV | 16945      | 451208  | 10.59%  | 0.385% |
| 259 | 18.639 | 18.625 | 18.648 | VV | 16021      | 216803  | 5.09%   | 0.185% |
| 260 | 17.670 | 17.648 | 17.685 | VV | 16071      | 344873  | 8.09%   | 0.294% |
| 261 | 17.719 | 17.685 | 17.765 | VV | 19742      | 832941  | 19.54%  | 0.710% |
| 262 | 17.807 | 17.765 | 17.834 | VV | 24947      | 847906  | 19.89%  | 0.723% |
| 263 | 17.865 | 17.834 | 17.897 | VV | 34456      | 946873  | 22.22%  | 0.807% |
| 264 | 17.921 | 17.897 | 17.969 | VV | 21810      | 876562  | 20.57%  | 0.747% |
| 265 | 17.987 | 17.969 | 18.023 | VV | 20882      | 635896  | 14.92%  | 0.542% |
| 266 | 18.055 | 18.023 | 18.105 | VV | 26244      | 1038617 | 24.37%  | 0.886% |
| 267 | 18.163 | 18.105 | 18.172 | VV | 20858      | 815848  | 19.14%  | 0.696% |
| 268 | 18.192 | 18.172 | 18.223 | VV | 22952      | 658684  | 15.45%  | 0.562% |
| 269 | 18.271 | 18.223 | 18.323 | VV | 34209      | 1575520 | 36.97%  | 1.343% |
| 270 | 18.341 | 18.323 | 18.356 | VV | 26221      | 479420  | 11.25%  | 0.409% |
| 271 | 18.389 | 18.356 | 18.431 | VV | 26235      | 1128244 | 26.47%  | 0.962% |
| 272 | 18.486 | 18.431 | 18.505 | VV | 25515      | 1073568 | 25.19%  | 0.915% |
| 273 | 18.522 | 18.505 | 18.547 | VV | 26082      | 633574  | 14.87%  | 0.540% |
| 274 | 18.566 | 18.547 | 18.575 | VV | 26125      | 416364  | 9.77%   | 0.355% |
| 275 | 18.605 | 18.575 | 18.614 | VV | 27676      | 618084  | 14.50%  | 0.527% |
| 276 | 18.670 | 18.614 | 18.702 | VV | 37372      | 1644421 | 38.58%  | 1.402% |
| 277 | 18.757 | 18.702 | 18.800 | VV | 32229      | 1788192 | 41.96%  | 1.525% |
| 278 | 18.842 | 18.800 | 18.864 | VV | 34744      | 1222704 | 28.69%  | 1.043% |
| 279 | 18.874 | 18.864 | 18.898 | VV | 33008      | 657351  | 15.42%  | 0.560% |
| 280 | 18.933 | 18.898 | 18.955 | VV | 35882      | 1145854 | 26.88%  | 0.977% |
| 281 | 18.976 | 18.955 | 18.992 | VV | 33690      | 705159  | 16.54%  | 0.601% |
| 282 | 19.012 | 18.992 | 19.021 | VV | 32889      | 575482  | 13.50%  | 0.491% |
| 283 | 19.056 | 19.021 | 19.087 | VV | 41051      | 1468745 | 34.46%  | 1.252% |
| 284 | 19.101 | 19.087 | 19.118 | VV | 38094      | 704004  | 16.52%  | 0.600% |
| 285 | 19.156 | 19.118 | 19.174 | VV | 40170      | 1278636 | 30.00%  | 1.090% |
| 286 | 19.205 | 19.174 | 19.237 | VV | 42554      | 1567603 | 36.78%  | 1.337% |
| 287 | 19.248 | 19.237 | 19.258 | VV | 43106      | 529598  | 12.43%  | 0.452% |
| 288 | 19.279 | 19.258 | 19.302 | VV | 45696      | 1147735 | 26.93%  | 0.979% |
| 289 | 19.360 | 19.302 | 19.394 | VV | 48957      | 2511840 | 58.93%  | 2.142% |
| 290 | 19.431 | 19.394 | 19.454 | VV | 48368      | 1598714 | 37.51%  | 1.363% |
| 291 | 19.475 | 19.454 | 19.490 | VV | 45283      | 947535  | 22.23%  | 0.808% |
| 292 | 19.591 | 19.490 | 19.635 | VV | 53406      | 4262108 | 100.00% | 3.634% |
| 293 | 19.655 | 19.635 | 19.678 | VV | 53534      | 1320995 | 30.99%  | 1.126% |
| 294 | 19.711 | 19.678 | 19.751 | VV | 53025      | 2274772 | 53.37%  | 1.940% |
| 295 | 19.759 | 19.751 | 19.774 | VV | 50357      | 679017  | 15.93%  | 0.579% |
| 296 | 19.799 | 19.774 | 19.818 | VV | 53148      | 1352174 | 31.73%  | 1.153% |
| 297 | 19.836 | 19.818 | 19.865 | VV | 57001      | 1580574 | 37.08%  | 1.348% |
| 298 | 19.874 | 19.865 | 19.881 | VV | 56041      | 518605  | 12.17%  | 0.442% |
| 299 | 19.906 | 19.881 | 19.922 | VV | 58005      | 1416199 | 33.23%  | 1.208% |

| rteres.txt |        |        |        |     |       |         |        |        |  |
|------------|--------|--------|--------|-----|-------|---------|--------|--------|--|
| 300        | 19.939 | 19.922 | 19.959 | VV  | 58912 | 1269220 | 29.78% | 1.082% |  |
| 301        | 19.985 | 19.959 | 20.002 | VV  | 57957 | 1473499 | 34.57% | 1.256% |  |
| 302        | 20.019 | 20.002 | 20.057 | VV  | 59679 | 1886901 | 44.27% | 1.609% |  |
| 303        | 20.078 | 20.057 | 20.088 | VV  | 59003 | 1048305 | 24.60% | 0.894% |  |
| 304        | 20.096 | 20.088 | 20.105 | VV  | 59338 | 603841  | 14.17% | 0.515% |  |
| 305        | 20.147 | 20.105 | 20.168 | VV  | 62987 | 2307621 | 54.14% | 1.968% |  |
| 306        | 20.186 | 20.168 | 20.211 | VV  | 61508 | 1542030 | 36.18% | 1.315% |  |
| 307        | 20.251 | 20.211 | 20.283 | VV  | 64182 | 2751001 | 64.55% | 2.346% |  |
| 308        | 20.308 | 20.283 | 20.332 | VV  | 70577 | 1968744 | 46.19% | 1.679% |  |
| 309        | 20.340 | 20.332 | 20.351 | VV  | 66498 | 744027  | 17.46% | 0.634% |  |
| 310        | 20.367 | 20.351 | 20.394 | VV  | 67751 | 1723124 | 40.43% | 1.469% |  |
| 311        | 20.402 | 20.394 | 20.415 | VV  | 67645 | 815662  | 19.14% | 0.695% |  |
| 312        | 20.430 | 20.415 | 20.453 | VV  | 67861 | 1504500 | 35.30% | 1.283% |  |
| 313        | 20.465 | 20.453 | 20.512 | VV  | 64625 | 2235664 | 52.45% | 1.906% |  |
| 314        | 20.523 | 20.512 | 20.558 | VV  | 61794 | 1684275 | 39.52% | 1.436% |  |
| 315        | 20.563 | 20.558 | 20.572 | VV  | 60855 | 478980  | 11.24% | 0.408% |  |
| 316        | 20.589 | 20.572 | 20.605 | VV  | 60579 | 1198078 | 28.11% | 1.022% |  |
| 317        | 20.613 | 20.605 | 20.617 | VV  | 60506 | 445117  | 10.44% | 0.380% |  |
| 318        | 20.668 | 20.617 | 20.679 | VV  | 62607 | 2273772 | 53.35% | 1.939% |  |
| 319        | 20.700 | 20.679 | 20.731 | VV  | 63789 | 1929940 | 45.28% | 1.646% |  |
| 320        | 20.744 | 20.731 | 20.756 | VV  | 61627 | 908073  | 21.31% | 0.774% |  |
| 321        | 20.790 | 20.756 | 20.830 | VV  | 67076 | 2778659 | 65.19% | 2.369% |  |
| 322        | 20.837 | 20.830 | 20.862 | VV  | 57304 | 1076692 | 25.26% | 0.918% |  |
| 323        | 20.878 | 20.862 | 20.932 | VV  | 56544 | 2305283 | 54.09% | 1.966% |  |
| 324        | 20.998 | 20.932 | 21.024 | VV  | 58038 | 3103284 | 72.81% | 2.646% |  |
| 325        | 21.042 | 21.024 | 21.064 | VV  | 59646 | 1384527 | 32.48% | 1.181% |  |
| 326        | 21.076 | 21.064 | 21.115 | VV  | 57173 | 1652665 | 38.78% | 1.409% |  |
| 327        | 21.124 | 21.115 | 21.200 | VV  | 52186 | 2467783 | 57.90% | 2.104% |  |
| 328        | 21.256 | 21.200 | 21.272 | VV  | 50351 | 2100602 | 49.29% | 1.791% |  |
| 329        | 21.298 | 21.272 | 21.313 | VV  | 52893 | 1267797 | 29.75% | 1.081% |  |
| 330        | 21.364 | 21.313 | 21.402 | VBA | 57763 | 3009506 | 70.61% | 2.566% |  |

Sum of corrected areas: 117281858

Alaphatic EPH 111318.M Mon Nov 19 08:33:32 2018