

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC121718AL\  
 Data File : FC038297.D  
 Signal(s) : FID1A.CH  
 Acq On : 17 Dec 2018 22:13  
 Sample : J6403-33RE  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 121018.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         | 3.117       | 3.082        | 3.193      | BV       | 397            | 6028         | 0.25%          | 0.016%        |
| 2         | 3.231       | 3.193        | 3.242      | PV       | 168            | 2407         | 0.10%          | 0.007%        |
| 3         | 3.258       | 3.242        | 3.266      | VV       | 152            | 1397         | 0.06%          | 0.004%        |
| 4         | 3.290       | 3.266        | 3.306      | PV       | 202            | 2455         | 0.10%          | 0.007%        |
| 5         | 3.328       | 3.306        | 3.352      | VV       | 130            | 2455         | 0.10%          | 0.007%        |
| 6         | 3.372       | 3.352        | 3.420      | VV       | 242            | 5220         | 0.21%          | 0.014%        |
| 7         | 3.444       | 3.420        | 3.465      | VV       | 191            | 3305         | 0.14%          | 0.009%        |
| 8         | 3.482       | 3.465        | 3.520      | VV       | 250            | 6182         | 0.25%          | 0.017%        |
| 9         | 3.553       | 3.520        | 3.578      | VV       | 223            | 4767         | 0.20%          | 0.013%        |
| 10        | 3.602       | 3.578        | 3.629      | VV       | 258            | 4712         | 0.19%          | 0.013%        |
| 11        | 3.639       | 3.629        | 3.659      | VV       | 278            | 2839         | 0.12%          | 0.008%        |
| 12        | 3.684       | 3.659        | 3.745      | VV       | 335            | 8083         | 0.33%          | 0.022%        |
| 13        | 3.773       | 3.745        | 3.784      | VV       | 334            | 4485         | 0.18%          | 0.012%        |
| 14        | 3.802       | 3.784        | 3.853      | VV       | 1960           | 49656        | 2.03%          | 0.134%        |
| 15        | 3.863       | 3.853        | 3.911      | VV       | 848            | 20916        | 0.86%          | 0.057%        |
| 16        | 3.934       | 3.911        | 4.032      | VV       | 741            | 30075        | 1.23%          | 0.081%        |
| 17        | 4.048       | 4.032        | 4.114      | VV       | 362            | 12890        | 0.53%          | 0.035%        |
| 18        | 4.135       | 4.114        | 4.151      | VV       | 327            | 5782         | 0.24%          | 0.016%        |
| 19        | 4.172       | 4.151        | 4.195      | VV       | 780            | 11314        | 0.46%          | 0.031%        |
| 20        | 4.207       | 4.195        | 4.229      | VV       | 284            | 6260         | 0.26%          | 0.017%        |
| 21        | 4.242       | 4.229        | 4.256      | VV       | 429            | 4961         | 0.20%          | 0.013%        |
| 22        | 4.270       | 4.256        | 4.299      | VV       | 456            | 7675         | 0.31%          | 0.021%        |
| 23        | 4.327       | 4.299        | 4.346      | VV       | 829            | 13060        | 0.53%          | 0.035%        |
| 24        | 4.381       | 4.346        | 4.406      | VV       | 658            | 18388        | 0.75%          | 0.050%        |
| 25        | 4.423       | 4.406        | 4.439      | VV       | 568            | 9302         | 0.38%          | 0.025%        |
| 26        | 4.447       | 4.439        | 4.489      | VV       | 434            | 9146         | 0.37%          | 0.025%        |
| 27        | 4.493       | 4.489        | 4.514      | VV       | 298            | 3571         | 0.15%          | 0.010%        |
| 28        | 4.522       | 4.514        | 4.532      | VV       | 223            | 2426         | 0.10%          | 0.007%        |
| 29        | 4.544       | 4.532        | 4.609      | VV       | 288            | 10893        | 0.45%          | 0.029%        |
| 30        | 4.625       | 4.609        | 4.657      | VV       | 369            | 6518         | 0.27%          | 0.018%        |
| 31        | 4.675       | 4.657        | 4.706      | VV       | 199            | 3966         | 0.16%          | 0.011%        |
| 32        | 4.723       | 4.706        | 4.736      | VV       | 219            | 2205         | 0.09%          | 0.006%        |
| 33        | 4.767       | 4.736        | 4.776      | PV       | 305            | 3957         | 0.16%          | 0.011%        |
| 34        | 4.800       | 4.776        | 4.829      | VV       | 396            | 7456         | 0.31%          | 0.020%        |
| 35        | 4.849       | 4.829        | 4.865      | VV       | 355            | 5023         | 0.21%          | 0.014%        |
| 36        | 4.879       | 4.865        | 4.906      | VV       | 308            | 5285         | 0.22%          | 0.014%        |

| rteres.txt |       |       |       |    |      |        |       |        |
|------------|-------|-------|-------|----|------|--------|-------|--------|
| 37         | 4.914 | 4.906 | 4.945 | VV | 234  | 3176   | 0.13% | 0.009% |
| 38         | 4.995 | 4.945 | 5.019 | VV | 317  | 6841   | 0.28% | 0.018% |
| 39         | 5.054 | 5.019 | 5.065 | VV | 316  | 5656   | 0.23% | 0.015% |
| 40         | 5.081 | 5.065 | 5.114 | VV | 286  | 5925   | 0.24% | 0.016% |
| 41         | 5.119 | 5.114 | 5.129 | VV | 165  | 1373   | 0.06% | 0.004% |
| 42         | 5.144 | 5.129 | 5.179 | VV | 249  | 4840   | 0.20% | 0.013% |
| 43         | 5.202 | 5.179 | 5.232 | VV | 691  | 11267  | 0.46% | 0.030% |
| 44         | 5.242 | 5.232 | 5.291 | VV | 282  | 5025   | 0.21% | 0.014% |
| 45         | 5.305 | 5.291 | 5.325 | PV | 129  | 2358   | 0.10% | 0.006% |
| 46         | 5.387 | 5.325 | 5.419 | VV | 336  | 10259  | 0.42% | 0.028% |
| 47         | 5.447 | 5.419 | 5.457 | VV | 221  | 3958   | 0.16% | 0.011% |
| 48         | 5.489 | 5.457 | 5.532 | VV | 368  | 11863  | 0.49% | 0.032% |
| 49         | 5.550 | 5.532 | 5.626 | VV | 324  | 9495   | 0.39% | 0.026% |
| 50         | 5.646 | 5.626 | 5.678 | VV | 268  | 4707   | 0.19% | 0.013% |
| 51         | 5.695 | 5.678 | 5.712 | PV | 273  | 3625   | 0.15% | 0.010% |
| 52         | 5.741 | 5.712 | 5.812 | VV | 1280 | 34610  | 1.42% | 0.094% |
| 53         | 5.824 | 5.812 | 5.836 | VV | 345  | 4187   | 0.17% | 0.011% |
| 54         | 5.842 | 5.836 | 5.862 | VV | 374  | 4314   | 0.18% | 0.012% |
| 55         | 5.875 | 5.862 | 5.885 | VV | 414  | 4565   | 0.19% | 0.012% |
| 56         | 5.905 | 5.885 | 5.942 | VV | 901  | 15770  | 0.65% | 0.043% |
| 57         | 5.969 | 5.942 | 6.001 | VV | 330  | 7638   | 0.31% | 0.021% |
| 58         | 6.050 | 6.001 | 6.105 | VV | 265  | 11622  | 0.48% | 0.031% |
| 59         | 6.121 | 6.105 | 6.153 | VV | 236  | 4678   | 0.19% | 0.013% |
| 60         | 6.176 | 6.153 | 6.236 | VV | 656  | 10629  | 0.44% | 0.029% |
| 61         | 6.247 | 6.236 | 6.286 | VV | 176  | 3458   | 0.14% | 0.009% |
| 62         | 6.293 | 6.286 | 6.304 | VV | 220  | 1345   | 0.06% | 0.004% |
| 63         | 6.325 | 6.304 | 6.342 | VV | 420  | 5825   | 0.24% | 0.016% |
| 64         | 6.352 | 6.342 | 6.361 | VV | 190  | 1707   | 0.07% | 0.005% |
| 65         | 6.371 | 6.361 | 6.394 | VV | 187  | 1636   | 0.07% | 0.004% |
| 66         | 6.421 | 6.394 | 6.432 | VV | 181  | 2361   | 0.10% | 0.006% |
| 67         | 6.448 | 6.432 | 6.471 | VV | 311  | 4212   | 0.17% | 0.011% |
| 68         | 6.489 | 6.471 | 6.540 | VV | 217  | 5616   | 0.23% | 0.015% |
| 69         | 6.556 | 6.540 | 6.601 | VV | 252  | 4866   | 0.20% | 0.013% |
| 70         | 6.617 | 6.601 | 6.629 | VV | 145  | 1737   | 0.07% | 0.005% |
| 71         | 6.642 | 6.629 | 6.664 | PV | 120  | 1983   | 0.08% | 0.005% |
| 72         | 6.689 | 6.664 | 6.757 | VV | 367  | 9745   | 0.40% | 0.026% |
| 73         | 6.789 | 6.757 | 6.831 | VV | 1093 | 20949  | 0.86% | 0.057% |
| 74         | 6.870 | 6.831 | 6.894 | VV | 641  | 13842  | 0.57% | 0.037% |
| 75         | 6.916 | 6.894 | 6.949 | VV | 1136 | 17327  | 0.71% | 0.047% |
| 76         | 6.959 | 6.949 | 7.022 | VV | 290  | 7197   | 0.29% | 0.019% |
| 77         | 7.054 | 7.022 | 7.072 | VV | 198  | 5020   | 0.21% | 0.014% |
| 78         | 7.092 | 7.072 | 7.132 | VV | 840  | 10957  | 0.45% | 0.030% |
| 79         | 7.151 | 7.132 | 7.186 | VV | 299  | 3725   | 0.15% | 0.010% |
| 80         | 7.213 | 7.186 | 7.236 | VV | 148  | 2694   | 0.11% | 0.007% |
| 81         | 7.258 | 7.236 | 7.284 | VV | 236  | 4294   | 0.18% | 0.012% |
| 82         | 7.303 | 7.284 | 7.329 | VV | 211  | 3464   | 0.14% | 0.009% |
| 83         | 7.493 | 7.482 | 7.591 | VV | 3219 | 128659 | 5.27% | 0.348% |
| 84         | 7.599 | 7.591 | 7.624 | VV | 1018 | 17452  | 0.71% | 0.047% |
| 85         | 7.660 | 7.624 | 7.704 | VV | 1456 | 45727  | 1.87% | 0.124% |
| 86         | 7.710 | 7.704 | 7.729 | VV | 721  | 9578   | 0.39% | 0.026% |
| 87         | 7.773 | 7.729 | 7.812 | VV | 1518 | 47051  | 1.93% | 0.127% |
| 88         | 7.821 | 7.812 | 7.837 | VV | 577  | 7246   | 0.30% | 0.020% |
| 89         | 7.869 | 7.837 | 7.887 | VV | 2621 | 37690  | 1.54% | 0.102% |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 90  | 7.898  | 7.887  | 7.916  | VV | 1241       | 15773  | 0.65%  | 0.043% |
| 91  | 7.955  | 7.916  | 7.986  | VV | 1264       | 29169  | 1.19%  | 0.079% |
| 92  | 8.014  | 7.986  | 8.034  | VV | 8479       | 100203 | 4.10%  | 0.271% |
| 93  | 8.049  | 8.034  | 8.089  | VV | 4043       | 68406  | 2.80%  | 0.185% |
| 94  | 8.095  | 8.089  | 8.123  | VV | 845        | 12092  | 0.50%  | 0.033% |
| 95  | 8.137  | 8.123  | 8.174  | VV | 609        | 10072  | 0.41%  | 0.027% |
| 96  | 8.186  | 8.174  | 8.213  | VV | 231        | 4188   | 0.17%  | 0.011% |
| 97  | 8.339  | 8.317  | 8.474  | VV | 28876      | 479253 | 19.62% | 1.295% |
| 98  | 8.488  | 8.474  | 8.524  | VV | 1542       | 32932  | 1.35%  | 0.089% |
| 99  | 8.532  | 8.524  | 8.563  | VV | 886        | 17838  | 0.73%  | 0.048% |
| 100 | 8.582  | 8.563  | 8.599  | VV | 1717       | 25118  | 1.03%  | 0.068% |
| 101 | 8.620  | 8.599  | 8.677  | VV | 2915       | 70000  | 2.87%  | 0.189% |
| 102 | 8.681  | 8.677  | 8.732  | VV | 925        | 22940  | 0.94%  | 0.062% |
| 103 | 8.772  | 8.732  | 8.837  | VV | 1550       | 48376  | 1.98%  | 0.131% |
| 104 | 8.860  | 8.837  | 8.887  | VV | 355        | 8468   | 0.35%  | 0.023% |
| 105 | 8.905  | 8.887  | 8.923  | VV | 773        | 12330  | 0.50%  | 0.033% |
| 106 | 8.961  | 8.923  | 9.020  | VV | 2240       | 53362  | 2.19%  | 0.144% |
| 107 | 9.038  | 9.020  | 9.068  | VV | 640        | 11834  | 0.48%  | 0.032% |
| 108 | 9.081  | 9.068  | 9.094  | VV | 306        | 3556   | 0.15%  | 0.010% |
| 109 | 9.123  | 9.094  | 9.177  | VV | 7655       | 128064 | 5.24%  | 0.346% |
| 110 | 9.199  | 9.177  | 9.224  | VV | 1560       | 27490  | 1.13%  | 0.074% |
| 111 | 9.234  | 9.224  | 9.252  | VV | 790        | 12165  | 0.50%  | 0.033% |
| 112 | 9.271  | 9.252  | 9.307  | VV | 1945       | 34667  | 1.42%  | 0.094% |
| 113 | 9.328  | 9.307  | 9.356  | VV | 1154       | 20439  | 0.84%  | 0.055% |
| 114 | 9.378  | 9.356  | 9.426  | VV | 525        | 14971  | 0.61%  | 0.040% |
| 115 | 9.447  | 9.426  | 9.482  | VV | 1222       | 24114  | 0.99%  | 0.065% |
| 116 | 9.493  | 9.482  | 9.521  | VV | 552        | 10213  | 0.42%  | 0.028% |
| 117 | 9.547  | 9.521  | 9.597  | VV | 2197       | 46181  | 1.89%  | 0.125% |
| 118 | 9.602  | 9.597  | 9.611  | VV | 619        | 4920   | 0.20%  | 0.013% |
| 119 | 9.623  | 9.611  | 9.682  | VV | 690        | 19056  | 0.78%  | 0.051% |
| 120 | 9.702  | 9.682  | 9.742  | VV | 395        | 8894   | 0.36%  | 0.024% |
| 121 | 9.758  | 9.742  | 9.792  | PV | 199        | 2742   | 0.11%  | 0.007% |
| 122 | 9.804  | 9.792  | 9.829  | VV | 135        | 2380   | 0.10%  | 0.006% |
| 123 | 9.859  | 9.829  | 9.875  | VV | 376        | 5113   | 0.21%  | 0.014% |
| 124 | 9.888  | 9.875  | 9.897  | VV | 297        | 2935   | 0.12%  | 0.008% |
| 125 | 9.930  | 9.897  | 9.949  | VV | 662        | 12298  | 0.50%  | 0.033% |
| 126 | 10.000 | 9.949  | 10.021 | VV | 1073       | 30195  | 1.24%  | 0.082% |
| 127 | 10.037 | 10.021 | 10.092 | VV | 811        | 21107  | 0.86%  | 0.057% |
| 128 | 10.114 | 10.092 | 10.144 | VV | 1122       | 18345  | 0.75%  | 0.050% |
| 129 | 10.198 | 10.144 | 10.218 | VV | 654        | 21769  | 0.89%  | 0.059% |
| 130 | 10.279 | 10.218 | 10.301 | VV | 2401       | 50982  | 2.09%  | 0.138% |
| 131 | 10.319 | 10.301 | 10.332 | VV | 1526       | 23831  | 0.98%  | 0.064% |
| 132 | 10.347 | 10.332 | 10.406 | VV | 1536       | 37210  | 1.52%  | 0.101% |
| 133 | 10.415 | 10.406 | 10.431 | VV | 470        | 4778   | 0.20%  | 0.013% |
| 134 | 10.454 | 10.431 | 10.469 | VV | 409        | 6005   | 0.25%  | 0.016% |
| 135 | 10.508 | 10.469 | 10.565 | VV | 23082      | 330569 | 13.54% | 0.893% |
| 136 | 10.589 | 10.565 | 10.713 | VV | 4818       | 138802 | 5.68%  | 0.375% |
| 137 | 10.725 | 10.713 | 10.754 | VV | 532        | 7294   | 0.30%  | 0.020% |
| 138 | 10.763 | 10.754 | 10.796 | PV | 296        | 4832   | 0.20%  | 0.013% |
| 139 | 10.828 | 10.796 | 10.849 | VV | 831        | 15597  | 0.64%  | 0.042% |
| 140 | 10.855 | 10.849 | 10.882 | VV | 530        | 8097   | 0.33%  | 0.022% |
| 141 | 10.905 | 10.882 | 10.932 | VV | 756        | 14444  | 0.59%  | 0.039% |

| rteres.txt |        |        |        |    |        |         |         |        |
|------------|--------|--------|--------|----|--------|---------|---------|--------|
| 142        | 10.946 | 10.932 | 10.957 | VV | 391    | 3141    | 0.13%   | 0.008% |
| 143        | 10.977 | 10.957 | 11.014 | VV | 1321   | 19071   | 0.78%   | 0.052% |
| 144        | 11.045 | 11.014 | 11.094 | VV | 976    | 25123   | 1.03%   | 0.068% |
| 145        | 11.111 | 11.094 | 11.129 | PV | 493    | 5691    | 0.23%   | 0.015% |
| 146        | 11.161 | 11.129 | 11.186 | VV | 611    | 12564   | 0.51%   | 0.034% |
| 147        | 11.215 | 11.186 | 11.240 | VV | 689    | 9798    | 0.40%   | 0.026% |
| 148        | 11.275 | 11.240 | 11.324 | PV | 225835 | 2442148 | 100.00% | 6.599% |
| 149        | 11.340 | 11.324 | 11.381 | VV | 3919   | 70647   | 2.89%   | 0.191% |
| 150        | 11.416 | 11.381 | 11.437 | VV | 6181   | 96345   | 3.95%   | 0.260% |
| 151        | 11.453 | 11.437 | 11.468 | VV | 3128   | 42953   | 1.76%   | 0.116% |
| 152        | 11.484 | 11.468 | 11.537 | VV | 3414   | 58307   | 2.39%   | 0.158% |
| 153        | 11.559 | 11.537 | 11.574 | VV | 491    | 6784    | 0.28%   | 0.018% |
| 154        | 11.583 | 11.574 | 11.591 | VV | 434    | 3642    | 0.15%   | 0.010% |
| 155        | 11.643 | 11.591 | 11.666 | VV | 1784   | 34172   | 1.40%   | 0.092% |
| 156        | 11.694 | 11.666 | 11.715 | VV | 1217   | 26595   | 1.09%   | 0.072% |
| 157        | 11.734 | 11.715 | 11.761 | VV | 960    | 21574   | 0.88%   | 0.058% |
| 158        | 11.783 | 11.761 | 11.824 | VV | 1735   | 38175   | 1.56%   | 0.103% |
| 159        | 11.842 | 11.824 | 11.876 | VV | 803    | 18289   | 0.75%   | 0.049% |
| 160        | 11.898 | 11.876 | 11.962 | VV | 2165   | 61516   | 2.52%   | 0.166% |
| 161        | 11.978 | 11.962 | 12.004 | VV | 864    | 16649   | 0.68%   | 0.045% |
| 162        | 12.023 | 12.004 | 12.034 | VV | 1104   | 14925   | 0.61%   | 0.040% |
| 163        | 12.049 | 12.034 | 12.061 | VV | 1085   | 15535   | 0.64%   | 0.042% |
| 164        | 12.097 | 12.061 | 12.146 | VV | 1853   | 53191   | 2.18%   | 0.144% |
| 165        | 12.198 | 12.146 | 12.220 | VV | 4454   | 93145   | 3.81%   | 0.252% |
| 166        | 12.236 | 12.220 | 12.251 | VV | 1951   | 29698   | 1.22%   | 0.080% |
| 167        | 12.277 | 12.251 | 12.289 | VV | 2503   | 45699   | 1.87%   | 0.123% |
| 168        | 12.311 | 12.289 | 12.379 | VV | 46114  | 588928  | 24.12%  | 1.591% |
| 169        | 12.414 | 12.379 | 12.433 | VV | 1287   | 30060   | 1.23%   | 0.081% |
| 170        | 12.454 | 12.433 | 12.470 | VV | 1680   | 25541   | 1.05%   | 0.069% |
| 171        | 12.498 | 12.470 | 12.523 | VV | 2011   | 41863   | 1.71%   | 0.113% |
| 172        | 12.555 | 12.523 | 12.576 | VV | 1566   | 34891   | 1.43%   | 0.094% |
| 173        | 12.604 | 12.576 | 12.633 | VV | 38397  | 485313  | 19.87%  | 1.311% |
| 174        | 12.645 | 12.633 | 12.656 | VV | 3798   | 45479   | 1.86%   | 0.123% |
| 175        | 12.666 | 12.656 | 12.684 | VV | 3818   | 48321   | 1.98%   | 0.131% |
| 176        | 12.718 | 12.684 | 12.767 | VV | 143010 | 1831205 | 74.98%  | 4.948% |
| 177        | 12.786 | 12.767 | 12.809 | VV | 2049   | 39429   | 1.61%   | 0.107% |
| 178        | 12.822 | 12.809 | 12.854 | VV | 1713   | 30664   | 1.26%   | 0.083% |
| 179        | 12.901 | 12.854 | 12.985 | VV | 6935   | 216899  | 8.88%   | 0.586% |
| 180        | 13.009 | 12.985 | 13.045 | VV | 1869   | 43037   | 1.76%   | 0.116% |
| 181        | 13.070 | 13.045 | 13.116 | VV | 3213   | 67095   | 2.75%   | 0.181% |
| 182        | 13.200 | 13.116 | 13.249 | VV | 7555   | 183500  | 7.51%   | 0.496% |
| 183        | 13.269 | 13.249 | 13.283 | VV | 1176   | 21138   | 0.87%   | 0.057% |
| 184        | 13.307 | 13.283 | 13.326 | VV | 6075   | 88675   | 3.63%   | 0.240% |
| 185        | 13.342 | 13.326 | 13.367 | VV | 4824   | 70030   | 2.87%   | 0.189% |
| 186        | 13.379 | 13.367 | 13.406 | VV | 1535   | 24956   | 1.02%   | 0.067% |
| 187        | 13.469 | 13.406 | 13.496 | VV | 5207   | 115607  | 4.73%   | 0.312% |
| 188        | 13.511 | 13.496 | 13.572 | VV | 2490   | 52546   | 2.15%   | 0.142% |
| 189        | 13.596 | 13.572 | 13.631 | VV | 561    | 13814   | 0.57%   | 0.037% |
| 190        | 13.653 | 13.631 | 13.675 | VV | 622    | 11405   | 0.47%   | 0.031% |
| 191        | 13.702 | 13.675 | 13.752 | VV | 575    | 16509   | 0.68%   | 0.045% |
| 192        | 13.788 | 13.752 | 13.815 | PV | 562    | 10519   | 0.43%   | 0.028% |
| 193        | 13.837 | 13.815 | 13.847 | VV | 481    | 6641    | 0.27%   | 0.018% |
| 194        | 13.903 | 13.847 | 13.922 | VV | 2552   | 58164   | 2.38%   | 0.157% |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 195 | 13.948 | 13.922 | 13.974 | VV | 2209       | 45126  | 1.85%  | 0.122% |
| 196 | 14.030 | 13.974 | 14.077 | VV | 2957       | 87922  | 3.60%  | 0.238% |
| 197 | 14.109 | 14.077 | 14.141 | VV | 3718       | 73145  | 3.00%  | 0.198% |
| 198 | 14.166 | 14.141 | 14.207 | VV | 6120       | 111299 | 4.56%  | 0.301% |
| 199 | 14.227 | 14.207 | 14.241 | VV | 1824       | 30582  | 1.25%  | 0.083% |
| 200 | 14.254 | 14.241 | 14.276 | VV | 2055       | 34291  | 1.40%  | 0.093% |
| 201 | 14.286 | 14.276 | 14.312 | VV | 1187       | 19856  | 0.81%  | 0.054% |
| 202 | 14.322 | 14.312 | 14.333 | VV | 807        | 7376   | 0.30%  | 0.020% |
| 203 | 14.358 | 14.333 | 14.407 | VV | 1218       | 25634  | 1.05%  | 0.069% |
| 204 | 14.439 | 14.407 | 14.451 | VV | 1732       | 24499  | 1.00%  | 0.066% |
| 205 | 14.478 | 14.451 | 14.497 | VV | 20149      | 277081 | 11.35% | 0.749% |
| 206 | 14.518 | 14.497 | 14.554 | VV | 22959      | 373268 | 15.28% | 1.009% |
| 207 | 14.568 | 14.554 | 14.599 | VV | 3165       | 54620  | 2.24%  | 0.148% |
| 208 | 14.637 | 14.599 | 14.656 | VV | 4480       | 75320  | 3.08%  | 0.204% |
| 209 | 14.672 | 14.656 | 14.697 | VV | 2325       | 43627  | 1.79%  | 0.118% |
| 210 | 14.714 | 14.697 | 14.731 | VV | 1171       | 18545  | 0.76%  | 0.050% |
| 211 | 14.748 | 14.731 | 14.764 | VV | 805        | 14655  | 0.60%  | 0.040% |
| 212 | 14.815 | 14.764 | 14.855 | VV | 2140       | 79128  | 3.24%  | 0.214% |
| 213 | 14.869 | 14.855 | 14.889 | VV | 840        | 12891  | 0.53%  | 0.035% |
| 214 | 14.961 | 14.889 | 15.059 | VV | 4652       | 203285 | 8.32%  | 0.549% |
| 215 | 15.094 | 15.059 | 15.121 | VV | 4546       | 93522  | 3.83%  | 0.253% |
| 216 | 15.149 | 15.121 | 15.174 | VV | 6520       | 114341 | 4.68%  | 0.309% |
| 217 | 15.188 | 15.174 | 15.216 | VV | 3010       | 50827  | 2.08%  | 0.137% |
| 218 | 15.231 | 15.216 | 15.256 | VV | 1607       | 29900  | 1.22%  | 0.081% |
| 219 | 15.310 | 15.256 | 15.363 | VV | 3454       | 128638 | 5.27%  | 0.348% |
| 220 | 15.402 | 15.363 | 15.442 | VV | 1385       | 46370  | 1.90%  | 0.125% |
| 221 | 15.474 | 15.442 | 15.524 | VV | 1420       | 31815  | 1.30%  | 0.086% |
| 222 | 15.583 | 15.524 | 15.621 | VV | 3792       | 84667  | 3.47%  | 0.229% |
| 223 | 15.646 | 15.621 | 15.666 | VV | 809        | 12585  | 0.52%  | 0.034% |
| 224 | 15.683 | 15.666 | 15.695 | PV | 449        | 5322   | 0.22%  | 0.014% |
| 225 | 15.750 | 15.695 | 15.770 | VV | 1586       | 36083  | 1.48%  | 0.098% |
| 226 | 15.786 | 15.770 | 15.803 | VV | 1307       | 18422  | 0.75%  | 0.050% |
| 227 | 15.852 | 15.803 | 15.881 | VV | 2328       | 72394  | 2.96%  | 0.196% |
| 228 | 15.898 | 15.881 | 15.917 | VV | 1666       | 30357  | 1.24%  | 0.082% |
| 229 | 15.947 | 15.917 | 15.966 | VV | 2604       | 57409  | 2.35%  | 0.155% |
| 230 | 15.987 | 15.966 | 15.999 | VV | 2334       | 38301  | 1.57%  | 0.103% |
| 231 | 16.027 | 15.999 | 16.047 | VV | 28629      | 426677 | 17.47% | 1.153% |
| 232 | 16.059 | 16.047 | 16.111 | VV | 14348      | 243611 | 9.98%  | 0.658% |
| 233 | 16.159 | 16.111 | 16.186 | VV | 6642       | 137022 | 5.61%  | 0.370% |
| 234 | 16.191 | 16.186 | 16.231 | VV | 2687       | 50962  | 2.09%  | 0.138% |
| 235 | 16.251 | 16.231 | 16.265 | VV | 1827       | 29128  | 1.19%  | 0.079% |
| 236 | 16.346 | 16.265 | 16.380 | VV | 18712      | 422526 | 17.30% | 1.142% |
| 237 | 16.406 | 16.380 | 16.457 | VV | 20638      | 387636 | 15.87% | 1.047% |
| 238 | 16.471 | 16.457 | 16.486 | VV | 2429       | 39566  | 1.62%  | 0.107% |
| 239 | 16.524 | 16.486 | 16.550 | VV | 7787       | 218353 | 8.94%  | 0.590% |
| 240 | 16.571 | 16.550 | 16.620 | VV | 6741       | 164205 | 6.72%  | 0.444% |
| 241 | 16.648 | 16.620 | 16.661 | VV | 3314       | 71298  | 2.92%  | 0.193% |
| 242 | 16.671 | 16.661 | 16.690 | VV | 3255       | 49485  | 2.03%  | 0.134% |
| 243 | 16.720 | 16.690 | 16.739 | VV | 2823       | 74872  | 3.07%  | 0.202% |
| 244 | 16.773 | 16.739 | 16.850 | VV | 4405       | 231747 | 9.49%  | 0.626% |
| 245 | 16.905 | 16.850 | 16.951 | VV | 5586       | 215088 | 8.81%  | 0.581% |
| 246 | 16.977 | 16.951 | 17.034 | VV | 15986      | 319629 | 13.09% | 0.864% |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 247 | 17.060 | 17.034 | 17.105 | VV | 4832       | 151730 | 6.21%  | 0.410% |
| 248 | 17.114 | 17.105 | 17.152 | VV | 2927       | 74665  | 3.06%  | 0.202% |
| 249 | 17.184 | 17.152 | 17.197 | VV | 2857       | 68620  | 2.81%  | 0.185% |
| 250 | 17.208 | 17.197 | 17.229 | VV | 2650       | 47202  | 1.93%  | 0.128% |
| 251 | 17.255 | 17.229 | 17.271 | VV | 2989       | 64133  | 2.63%  | 0.173% |
| 252 | 17.282 | 17.271 | 17.291 | VV | 2636       | 30555  | 1.25%  | 0.083% |
| 253 | 17.305 | 17.291 | 17.331 | VV | 2687       | 59865  | 2.45%  | 0.162% |
| 254 | 17.364 | 17.331 | 17.374 | VV | 4234       | 90131  | 3.69%  | 0.244% |
| 255 | 17.413 | 17.374 | 17.447 | VV | 9639       | 234717 | 9.61%  | 0.634% |
| 256 | 17.500 | 17.447 | 17.536 | VV | 5677       | 231177 | 9.47%  | 0.625% |
| 257 | 17.557 | 17.536 | 17.594 | VV | 5040       | 164301 | 6.73%  | 0.444% |
| 258 | 17.603 | 17.594 | 17.657 | VV | 4560       | 148112 | 6.06%  | 0.400% |
| 259 | 17.687 | 17.657 | 17.751 | VV | 7973       | 315095 | 12.90% | 0.851% |
| 260 | 17.777 | 17.751 | 17.806 | VV | 18519      | 388613 | 15.91% | 1.050% |
| 261 | 17.832 | 17.806 | 17.865 | VV | 16194      | 402318 | 16.47% | 1.087% |
| 262 | 17.879 | 17.865 | 17.894 | VV | 7034       | 115106 | 4.71%  | 0.311% |
| 263 | 17.917 | 17.894 | 17.961 | VV | 8356       | 287280 | 11.76% | 0.776% |
| 264 | 17.972 | 17.961 | 17.996 | VV | 6282       | 116063 | 4.75%  | 0.314% |
| 265 | 18.025 | 17.996 | 18.085 | VV | 17357      | 431370 | 17.66% | 1.166% |
| 266 | 18.108 | 18.085 | 18.132 | VV | 5831       | 155981 | 6.39%  | 0.421% |
| 267 | 18.164 | 18.132 | 18.204 | VV | 9145       | 286972 | 11.75% | 0.775% |
| 268 | 18.239 | 18.204 | 18.292 | VV | 12006      | 389668 | 15.96% | 1.053% |
| 269 | 18.302 | 18.292 | 18.317 | VV | 6088       | 87095  | 3.57%  | 0.235% |
| 270 | 18.345 | 18.317 | 18.367 | VV | 8318       | 215933 | 8.84%  | 0.584% |
| 271 | 18.376 | 18.367 | 18.417 | VV | 6873       | 184502 | 7.55%  | 0.499% |
| 272 | 18.433 | 18.417 | 18.451 | VV | 6352       | 124716 | 5.11%  | 0.337% |
| 273 | 18.470 | 18.451 | 18.504 | VV | 7229       | 217419 | 8.90%  | 0.588% |
| 274 | 18.565 | 18.504 | 18.575 | VV | 8797       | 333978 | 13.68% | 0.902% |
| 275 | 18.637 | 18.575 | 18.669 | VV | 16060      | 625151 | 25.60% | 1.689% |
| 276 | 18.723 | 18.669 | 18.766 | VV | 9525       | 516404 | 21.15% | 1.395% |
| 277 | 18.781 | 18.766 | 18.804 | VV | 8542       | 187287 | 7.67%  | 0.506% |
| 278 | 18.824 | 18.804 | 18.836 | VV | 9404       | 168988 | 6.92%  | 0.457% |
| 279 | 18.842 | 18.836 | 18.859 | VV | 9543       | 127037 | 5.20%  | 0.343% |
| 280 | 18.866 | 18.859 | 18.875 | VV | 9177       | 86258  | 3.53%  | 0.233% |
| 281 | 18.894 | 18.875 | 18.931 | VV | 9960       | 286354 | 11.73% | 0.774% |
| 282 | 18.938 | 18.931 | 18.954 | VV | 8085       | 109893 | 4.50%  | 0.297% |
| 283 | 19.019 | 18.954 | 19.071 | VV | 12921      | 693265 | 28.39% | 1.873% |
| 284 | 19.082 | 19.071 | 19.099 | VV | 9323       | 156096 | 6.39%  | 0.422% |
| 285 | 19.121 | 19.099 | 19.142 | VV | 10269      | 251757 | 10.31% | 0.680% |
| 286 | 19.191 | 19.142 | 19.227 | VV | 14181      | 582439 | 23.85% | 1.574% |
| 287 | 19.259 | 19.227 | 19.292 | VV | 15218      | 502186 | 20.56% | 1.357% |
| 288 | 19.323 | 19.292 | 19.357 | VV | 14024      | 503159 | 20.60% | 1.360% |
| 289 | 19.395 | 19.357 | 19.452 | VV | 15109      | 736708 | 30.17% | 1.991% |
| 290 | 19.469 | 19.452 | 19.481 | VV | 12258      | 204476 | 8.37%  | 0.553% |
| 291 | 19.495 | 19.481 | 19.517 | VV | 12465      | 269985 | 11.06% | 0.730% |
| 292 | 19.565 | 19.517 | 19.614 | VV | 17051      | 864177 | 35.39% | 2.335% |
| 293 | 19.638 | 19.614 | 19.664 | VV | 15745      | 454982 | 18.63% | 1.229% |
| 294 | 19.706 | 19.664 | 19.734 | VV | 15223      | 633346 | 25.93% | 1.711% |
| 295 | 19.758 | 19.734 | 19.782 | VV | 17572      | 465730 | 19.07% | 1.259% |
| 296 | 19.824 | 19.782 | 19.851 | VV | 16331      | 648628 | 26.56% | 1.753% |
| 297 | 19.903 | 19.851 | 19.934 | VV | 18325      | 848160 | 34.73% | 2.292% |
| 298 | 19.943 | 19.934 | 19.966 | VV | 17434      | 325830 | 13.34% | 0.880% |
| 299 | 19.994 | 19.966 | 20.011 | VV | 17774      | 475774 | 19.48% | 1.286% |

|     |        |        |        |    |                         |          |        |        |
|-----|--------|--------|--------|----|-------------------------|----------|--------|--------|
|     |        |        |        |    | rteres.txt              |          |        |        |
| 300 | 20.033 | 20.011 | 20.052 | VV | 18078                   | 438944   | 17.97% | 1.186% |
| 301 | 20.059 | 20.052 | 20.076 | VV | 17898                   | 248242   | 10.16% | 0.671% |
| 302 | 20.117 | 20.076 | 20.139 | VV | 20227                   | 726196   | 29.74% | 1.962% |
| 303 | 20.153 | 20.139 | 20.169 | VV | 19183                   | 342974   | 14.04% | 0.927% |
| 304 | 20.178 | 20.169 | 20.192 | VV | 19306                   | 267424   | 10.95% | 0.723% |
| 305 | 20.230 | 20.192 | 20.247 | VV | 20426                   | 658231   | 26.95% | 1.779% |
| 306 | 20.283 | 20.247 | 20.292 | VV | 21383                   | 556474   | 22.79% | 1.504% |
| 307 | 20.339 | 20.292 | 20.354 | VV | 21771                   | 786564   | 32.21% | 2.125% |
| 308 | 20.400 | 20.354 | 20.412 | VV | 22312                   | 770360   | 31.54% | 2.082% |
|     |        |        |        |    | Sum of corrected areas: | 37006531 |        |        |

Alaphatic EPH 121018.M Tue Dec 18 10:08:29 2018