

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC070319AL\  
 Data File : FC042196.D  
 Signal(s) : FID1A.CH  
 Acq On : 03 Jul 2019 17:38  
 Sample : K3618-01DL 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 061219.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         | 3.494       | 3.452        | 3.666      | BV       | 262            | 3389         | 0.04%          | 0.003%        |
| 2         | 3.680       | 3.666        | 3.729      | PV       | 127            | 2728         | 0.03%          | 0.002%        |
| 3         | 3.743       | 3.729        | 3.765      | PV       | 98             | 2286         | 0.03%          | 0.002%        |
| 4         | 3.772       | 3.765        | 3.854      | VV       | 133            | 4795         | 0.05%          | 0.004%        |
| 5         | 3.867       | 3.854        | 3.879      | VV       | 147            | 1679         | 0.02%          | 0.001%        |
| 6         | 3.883       | 3.879        | 3.900      | VV       | 145            | 1355         | 0.02%          | 0.001%        |
| 7         | 3.905       | 3.900        | 3.921      | VV       | 205            | 1017         | 0.01%          | 0.001%        |
| 8         | 3.942       | 3.921        | 3.959      | PV       | 132            | 1825         | 0.02%          | 0.001%        |
| 9         | 3.966       | 3.959        | 3.982      | VV       | 104            | 1100         | 0.01%          | 0.001%        |
| 10        | 3.990       | 3.982        | 4.020      | VV       | 184            | 2078         | 0.02%          | 0.002%        |
| 11        | 4.037       | 4.020        | 4.047      | PV       | 84             | 1231         | 0.01%          | 0.001%        |
| 12        | 4.061       | 4.047        | 4.069      | VV       | 220            | 1766         | 0.02%          | 0.001%        |
| 13        | 4.077       | 4.069        | 4.138      | VV       | 196            | 4667         | 0.05%          | 0.004%        |
| 14        | 4.167       | 4.138        | 4.205      | VV       | 202            | 5196         | 0.06%          | 0.004%        |
| 15        | 4.213       | 4.205        | 4.247      | VV       | 152            | 2006         | 0.02%          | 0.002%        |
| 16        | 4.254       | 4.247        | 4.289      | VV       | 145            | 2324         | 0.03%          | 0.002%        |
| 17        | 4.332       | 4.289        | 4.415      | VV       | 632            | 14922        | 0.17%          | 0.012%        |
| 18        | 4.426       | 4.415        | 4.443      | VV       | 188            | 2052         | 0.02%          | 0.002%        |
| 19        | 4.464       | 4.443        | 4.504      | VV       | 121            | 2985         | 0.03%          | 0.002%        |
| 20        | 4.513       | 4.504        | 4.533      | VV       | 136            | 1647         | 0.02%          | 0.001%        |
| 21        | 4.559       | 4.533        | 4.594      | VV       | 395            | 5762         | 0.06%          | 0.005%        |
| 22        | 4.608       | 4.594        | 4.631      | VV       | 303            | 4080         | 0.05%          | 0.003%        |
| 23        | 4.639       | 4.631        | 4.657      | VV       | 178            | 2234         | 0.03%          | 0.002%        |
| 24        | 4.667       | 4.657        | 4.680      | VV       | 134            | 1334         | 0.01%          | 0.001%        |
| 25        | 4.714       | 4.693        | 4.749      | VV       | 224            | 4601         | 0.05%          | 0.004%        |
| 26        | 4.781       | 4.749        | 4.834      | VV       | 583            | 10847        | 0.12%          | 0.009%        |
| 27        | 4.843       | 4.834        | 4.880      | VV       | 229            | 2887         | 0.03%          | 0.002%        |
| 28        | 4.905       | 4.880        | 4.924      | PV       | 174            | 2637         | 0.03%          | 0.002%        |
| 29        | 4.939       | 4.924        | 4.959      | VV       | 254            | 2766         | 0.03%          | 0.002%        |
| 30        | 4.977       | 4.959        | 5.002      | VV       | 192            | 3356         | 0.04%          | 0.003%        |
| 31        | 5.013       | 5.002        | 5.027      | VV       | 351            | 2873         | 0.03%          | 0.002%        |
| 32        | 5.038       | 5.027        | 5.071      | VV       | 230            | 3655         | 0.04%          | 0.003%        |
| 33        | 5.090       | 5.071        | 5.135      | VV       | 217            | 4092         | 0.05%          | 0.003%        |
| 34        | 5.165       | 5.135        | 5.174      | PV       | 184            | 2802         | 0.03%          | 0.002%        |
| 35        | 5.193       | 5.174        | 5.245      | VV       | 380            | 9294         | 0.10%          | 0.007%        |
| 36        | 5.255       | 5.245        | 5.265      | VV       | 266            | 2364         | 0.03%          | 0.002%        |

|    |       |       |       |    |            |        |       |        |
|----|-------|-------|-------|----|------------|--------|-------|--------|
|    |       |       |       |    | rteres.txt |        |       |        |
| 37 | 5.278 | 5.265 | 5.290 | VV | 433        | 4117   | 0.05% | 0.003% |
| 38 | 5.297 | 5.290 | 5.317 | VV | 322        | 3733   | 0.04% | 0.003% |
| 39 | 5.329 | 5.317 | 5.345 | VV | 211        | 2482   | 0.03% | 0.002% |
| 40 | 5.367 | 5.345 | 5.376 | PV | 173        | 2122   | 0.02% | 0.002% |
|    |       |       |       |    |            |        |       |        |
| 41 | 5.383 | 5.376 | 5.390 | VV | 197        | 1166   | 0.01% | 0.001% |
| 42 | 5.413 | 5.390 | 5.437 | VV | 269        | 4897   | 0.05% | 0.004% |
| 43 | 5.470 | 5.437 | 5.512 | VV | 278        | 9093   | 0.10% | 0.007% |
| 44 | 5.517 | 5.512 | 5.534 | VV | 167        | 1574   | 0.02% | 0.001% |
| 45 | 5.545 | 5.534 | 5.568 | VV | 259        | 2751   | 0.03% | 0.002% |
|    |       |       |       |    |            |        |       |        |
| 46 | 5.588 | 5.568 | 5.614 | VV | 1311       | 16071  | 0.18% | 0.013% |
| 47 | 5.628 | 5.614 | 5.648 | VV | 1173       | 12504  | 0.14% | 0.010% |
| 48 | 5.660 | 5.648 | 5.675 | VV | 247        | 2916   | 0.03% | 0.002% |
| 49 | 5.683 | 5.675 | 5.702 | VV | 170        | 1486   | 0.02% | 0.001% |
| 50 | 5.745 | 5.702 | 5.760 | VV | 183        | 2750   | 0.03% | 0.002% |
|    |       |       |       |    |            |        |       |        |
| 51 | 5.783 | 5.760 | 5.819 | VV | 934        | 12310  | 0.14% | 0.010% |
| 52 | 5.880 | 5.819 | 5.914 | VV | 1171       | 31036  | 0.35% | 0.025% |
| 53 | 5.931 | 5.914 | 5.947 | VV | 746        | 8671   | 0.10% | 0.007% |
| 54 | 5.970 | 5.947 | 5.987 | VV | 848        | 12764  | 0.14% | 0.010% |
| 55 | 6.001 | 5.987 | 6.027 | VV | 591        | 8246   | 0.09% | 0.007% |
|    |       |       |       |    |            |        |       |        |
| 56 | 6.043 | 6.027 | 6.072 | VV | 597        | 7126   | 0.08% | 0.006% |
| 57 | 6.092 | 6.072 | 6.116 | PV | 656        | 10548  | 0.12% | 0.008% |
| 58 | 6.147 | 6.116 | 6.172 | VV | 6175       | 69229  | 0.78% | 0.055% |
| 59 | 6.183 | 6.172 | 6.208 | VV | 900        | 14156  | 0.16% | 0.011% |
| 60 | 6.225 | 6.208 | 6.257 | VV | 820        | 12904  | 0.14% | 0.010% |
|    |       |       |       |    |            |        |       |        |
| 61 | 6.281 | 6.257 | 6.304 | VV | 1082       | 19519  | 0.22% | 0.016% |
| 62 | 6.319 | 6.304 | 6.344 | VV | 636        | 11858  | 0.13% | 0.009% |
| 63 | 6.359 | 6.344 | 6.379 | VV | 783        | 11158  | 0.13% | 0.009% |
| 64 | 6.409 | 6.379 | 6.430 | VV | 979        | 18098  | 0.20% | 0.014% |
| 65 | 6.447 | 6.430 | 6.470 | VV | 612        | 10522  | 0.12% | 0.008% |
|    |       |       |       |    |            |        |       |        |
| 66 | 6.511 | 6.470 | 6.536 | VV | 1366       | 28068  | 0.31% | 0.022% |
| 67 | 6.563 | 6.536 | 6.611 | VV | 3865       | 54067  | 0.61% | 0.043% |
| 68 | 6.654 | 6.611 | 6.666 | VV | 330        | 7640   | 0.09% | 0.006% |
| 69 | 6.682 | 6.666 | 6.690 | VV | 585        | 6442   | 0.07% | 0.005% |
| 70 | 6.711 | 6.690 | 6.734 | VV | 1649       | 21184  | 0.24% | 0.017% |
|    |       |       |       |    |            |        |       |        |
| 71 | 6.765 | 6.734 | 6.805 | VV | 831        | 17708  | 0.20% | 0.014% |
| 72 | 6.847 | 6.805 | 6.867 | VV | 1399       | 20928  | 0.23% | 0.017% |
| 73 | 6.890 | 6.867 | 6.896 | PV | 808        | 9169   | 0.10% | 0.007% |
| 74 | 6.906 | 6.896 | 6.935 | VV | 948        | 14477  | 0.16% | 0.012% |
| 75 | 6.972 | 6.935 | 6.995 | VV | 3738       | 44833  | 0.50% | 0.036% |
|    |       |       |       |    |            |        |       |        |
| 76 | 7.009 | 6.995 | 7.020 | VV | 486        | 5328   | 0.06% | 0.004% |
| 77 | 7.038 | 7.020 | 7.048 | VV | 678        | 8152   | 0.09% | 0.006% |
| 78 | 7.077 | 7.048 | 7.107 | VV | 1178       | 29037  | 0.33% | 0.023% |
| 79 | 7.126 | 7.107 | 7.146 | VV | 1566       | 25173  | 0.28% | 0.020% |
| 80 | 7.162 | 7.146 | 7.177 | VV | 1187       | 16516  | 0.19% | 0.013% |
|    |       |       |       |    |            |        |       |        |
| 81 | 7.197 | 7.177 | 7.245 | VV | 9379       | 119184 | 1.34% | 0.095% |
| 82 | 7.263 | 7.245 | 7.278 | VV | 1801       | 23781  | 0.27% | 0.019% |
| 83 | 7.287 | 7.278 | 7.307 | VV | 1284       | 15220  | 0.17% | 0.012% |
| 84 | 7.330 | 7.307 | 7.355 | VV | 13004      | 133593 | 1.50% | 0.106% |
| 85 | 7.367 | 7.355 | 7.389 | VV | 923        | 12695  | 0.14% | 0.010% |
|    |       |       |       |    |            |        |       |        |
| 86 | 7.413 | 7.389 | 7.434 | VV | 556        | 11840  | 0.13% | 0.009% |
| 87 | 7.479 | 7.434 | 7.515 | VV | 7686       | 109664 | 1.23% | 0.087% |
| 88 | 7.533 | 7.515 | 7.558 | VV | 1124       | 18972  | 0.21% | 0.015% |
| 89 | 7.565 | 7.558 | 7.609 | VV | 739        | 15401  | 0.17% | 0.012% |

|     |        |        |        |    |            |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
|     |        |        |        |    | rteres.txt |        |       |        |
| 90  | 7.618  | 7.609  | 7.632  | VV | 285        | 3224   | 0.04% | 0.003% |
| 91  | 7.660  | 7.632  | 7.676  | VV | 1803       | 28116  | 0.32% | 0.022% |
| 92  | 7.685  | 7.676  | 7.704  | VV | 1169       | 13883  | 0.16% | 0.011% |
| 93  | 7.714  | 7.704  | 7.747  | VV | 904        | 10071  | 0.11% | 0.008% |
| 94  | 7.847  | 7.839  | 7.862  | VV | 1610       | 19243  | 0.22% | 0.015% |
| 95  | 7.878  | 7.862  | 7.895  | VV | 1664       | 26976  | 0.30% | 0.021% |
| 96  | 7.916  | 7.895  | 7.945  | VV | 2638       | 53058  | 0.60% | 0.042% |
| 97  | 7.959  | 7.945  | 7.977  | VV | 1390       | 20095  | 0.23% | 0.016% |
| 98  | 8.000  | 7.977  | 8.024  | VV | 2041       | 28664  | 0.32% | 0.023% |
| 99  | 8.045  | 8.024  | 8.058  | VV | 1923       | 24226  | 0.27% | 0.019% |
| 100 | 8.095  | 8.058  | 8.132  | VV | 2891       | 79350  | 0.89% | 0.063% |
| 101 | 8.169  | 8.132  | 8.227  | VV | 7292       | 149348 | 1.68% | 0.119% |
| 102 | 8.286  | 8.227  | 8.301  | VV | 12910      | 180682 | 2.03% | 0.144% |
| 103 | 8.313  | 8.301  | 8.328  | VV | 8049       | 91342  | 1.02% | 0.073% |
| 104 | 8.345  | 8.328  | 8.379  | VV | 10724      | 136913 | 1.54% | 0.109% |
| 105 | 8.409  | 8.379  | 8.422  | VV | 3092       | 52022  | 0.58% | 0.041% |
| 106 | 8.470  | 8.422  | 8.503  | VV | 9571       | 201753 | 2.26% | 0.160% |
| 107 | 8.519  | 8.503  | 8.534  | VV | 1792       | 23000  | 0.26% | 0.018% |
| 108 | 8.560  | 8.534  | 8.614  | VV | 3613       | 73543  | 0.83% | 0.058% |
| 109 | 8.668  | 8.614  | 8.699  | VV | 69558      | 731757 | 8.21% | 0.582% |
| 110 | 8.709  | 8.699  | 8.738  | VV | 2216       | 44459  | 0.50% | 0.035% |
| 111 | 8.764  | 8.738  | 8.784  | VV | 9367       | 117332 | 1.32% | 0.093% |
| 112 | 8.806  | 8.784  | 8.827  | VV | 3069       | 59088  | 0.66% | 0.047% |
| 113 | 8.833  | 8.827  | 8.847  | VV | 2021       | 19440  | 0.22% | 0.015% |
| 114 | 8.879  | 8.847  | 8.907  | VV | 5666       | 86215  | 0.97% | 0.069% |
| 115 | 8.930  | 8.907  | 8.945  | VV | 1724       | 26259  | 0.29% | 0.021% |
| 116 | 8.955  | 8.945  | 8.975  | VV | 1210       | 16335  | 0.18% | 0.013% |
| 117 | 9.000  | 8.975  | 9.016  | VV | 3741       | 51816  | 0.58% | 0.041% |
| 118 | 9.036  | 9.016  | 9.089  | VV | 10985      | 162779 | 1.83% | 0.129% |
| 119 | 9.119  | 9.089  | 9.136  | VV | 2178       | 47660  | 0.53% | 0.038% |
| 120 | 9.165  | 9.136  | 9.191  | VV | 13506      | 171806 | 1.93% | 0.137% |
| 121 | 9.210  | 9.191  | 9.233  | VV | 4256       | 57802  | 0.65% | 0.046% |
| 122 | 9.248  | 9.233  | 9.290  | VV | 1364       | 34033  | 0.38% | 0.027% |
| 123 | 9.325  | 9.290  | 9.342  | VV | 4246       | 63719  | 0.71% | 0.051% |
| 124 | 9.356  | 9.342  | 9.389  | VV | 3247       | 49792  | 0.56% | 0.040% |
| 125 | 9.408  | 9.389  | 9.425  | VV | 1822       | 28899  | 0.32% | 0.023% |
| 126 | 9.459  | 9.425  | 9.482  | VV | 3688       | 64939  | 0.73% | 0.052% |
| 127 | 9.502  | 9.482  | 9.517  | VV | 1805       | 26411  | 0.30% | 0.021% |
| 128 | 9.544  | 9.517  | 9.595  | VV | 29330      | 362903 | 4.07% | 0.289% |
| 129 | 9.622  | 9.595  | 9.648  | VV | 4322       | 81181  | 0.91% | 0.065% |
| 130 | 9.665  | 9.648  | 9.677  | VV | 3354       | 40548  | 0.45% | 0.032% |
| 131 | 9.694  | 9.677  | 9.708  | VV | 4214       | 56872  | 0.64% | 0.045% |
| 132 | 9.719  | 9.708  | 9.735  | VV | 3670       | 40867  | 0.46% | 0.033% |
| 133 | 9.753  | 9.735  | 9.792  | VV | 2402       | 47983  | 0.54% | 0.038% |
| 134 | 9.804  | 9.792  | 9.839  | VV | 1073       | 21630  | 0.24% | 0.017% |
| 135 | 9.862  | 9.839  | 9.885  | VV | 4784       | 71237  | 0.80% | 0.057% |
| 136 | 9.939  | 9.885  | 9.955  | VV | 12893      | 187356 | 2.10% | 0.149% |
| 137 | 9.964  | 9.955  | 10.007 | VV | 5201       | 74672  | 0.84% | 0.059% |
| 138 | 10.026 | 10.007 | 10.090 | VV | 1546       | 38044  | 0.43% | 0.030% |
| 139 | 10.120 | 10.090 | 10.175 | PV | 1087       | 24776  | 0.28% | 0.020% |
| 140 | 10.216 | 10.175 | 10.237 | VV | 561        | 8245   | 0.09% | 0.007% |
| 141 | 10.281 | 10.237 | 10.297 | VV | 2327       | 32766  | 0.37% | 0.026% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 142        | 10.326 | 10.297 | 10.357 | VV | 5028   | 82341   | 0.92%  | 0.065% |
| 143        | 10.389 | 10.357 | 10.398 | VV | 2435   | 38955   | 0.44%  | 0.031% |
| 144        | 10.419 | 10.398 | 10.443 | VV | 8033   | 113085  | 1.27%  | 0.090% |
| 145        | 10.463 | 10.443 | 10.502 | VV | 5685   | 77459   | 0.87%  | 0.062% |
| 146        | 10.538 | 10.502 | 10.577 | VV | 4329   | 77317   | 0.87%  | 0.061% |
| 147        | 10.598 | 10.577 | 10.637 | VV | 2206   | 48512   | 0.54%  | 0.039% |
| 148        | 10.673 | 10.637 | 10.693 | VV | 12921  | 162292  | 1.82%  | 0.129% |
| 149        | 10.705 | 10.693 | 10.719 | VV | 2908   | 36457   | 0.41%  | 0.029% |
| 150        | 10.745 | 10.719 | 10.789 | VV | 11385  | 191641  | 2.15%  | 0.152% |
| 151        | 10.803 | 10.789 | 10.825 | VV | 1018   | 19131   | 0.21%  | 0.015% |
| 152        | 10.838 | 10.825 | 10.855 | VV | 1589   | 17145   | 0.19%  | 0.014% |
| 153        | 10.872 | 10.855 | 10.893 | VV | 704    | 12577   | 0.14%  | 0.010% |
| 154        | 10.942 | 10.893 | 10.990 | VV | 110709 | 1185101 | 13.30% | 0.943% |
| 155        | 11.016 | 10.990 | 11.049 | VV | 26362  | 315156  | 3.54%  | 0.251% |
| 156        | 11.064 | 11.049 | 11.107 | VV | 2372   | 51031   | 0.57%  | 0.041% |
| 157        | 11.125 | 11.107 | 11.140 | VV | 1474   | 19114   | 0.21%  | 0.015% |
| 158        | 11.149 | 11.140 | 11.167 | VV | 726    | 7542    | 0.08%  | 0.006% |
| 159        | 11.179 | 11.167 | 11.209 | VV | 887    | 11415   | 0.13%  | 0.009% |
| 160        | 11.231 | 11.209 | 11.269 | PV | 4096   | 64193   | 0.72%  | 0.051% |
| 161        | 11.300 | 11.269 | 11.316 | VV | 1529   | 27399   | 0.31%  | 0.022% |
| 162        | 11.334 | 11.316 | 11.350 | VV | 1599   | 23439   | 0.26%  | 0.019% |
| 163        | 11.372 | 11.350 | 11.396 | VV | 11120  | 131255  | 1.47%  | 0.104% |
| 164        | 11.424 | 11.396 | 11.439 | VV | 1520   | 31106   | 0.35%  | 0.025% |
| 165        | 11.465 | 11.439 | 11.499 | VV | 8830   | 124050  | 1.39%  | 0.099% |
| 166        | 11.531 | 11.499 | 11.552 | VV | 1951   | 26290   | 0.29%  | 0.021% |
| 167        | 11.592 | 11.552 | 11.613 | PV | 3173   | 43065   | 0.48%  | 0.034% |
| 168        | 11.628 | 11.613 | 11.647 | VV | 856    | 14382   | 0.16%  | 0.011% |
| 169        | 11.697 | 11.647 | 11.719 | VV | 63565  | 685382  | 7.69%  | 0.545% |
| 170        | 11.740 | 11.719 | 11.755 | VV | 15696  | 179262  | 2.01%  | 0.143% |
| 171        | 11.771 | 11.755 | 11.815 | VV | 18769  | 225965  | 2.54%  | 0.180% |
| 172        | 11.856 | 11.815 | 11.874 | VV | 19636  | 281784  | 3.16%  | 0.224% |
| 173        | 11.889 | 11.874 | 11.903 | VV | 9598   | 110607  | 1.24%  | 0.088% |
| 174        | 11.920 | 11.903 | 11.955 | VV | 14412  | 192367  | 2.16%  | 0.153% |
| 175        | 12.040 | 11.955 | 12.064 | VV | 9620   | 146439  | 1.64%  | 0.116% |
| 176        | 12.091 | 12.064 | 12.127 | VV | 90979  | 1044344 | 11.72% | 0.831% |
| 177        | 12.140 | 12.127 | 12.162 | VV | 1442   | 21622   | 0.24%  | 0.017% |
| 178        | 12.171 | 12.162 | 12.185 | VV | 510    | 4702    | 0.05%  | 0.004% |
| 179        | 12.208 | 12.185 | 12.228 | PV | 5760   | 67172   | 0.75%  | 0.053% |
| 180        | 12.239 | 12.228 | 12.254 | VV | 1145   | 14826   | 0.17%  | 0.012% |
| 181        | 12.272 | 12.254 | 12.293 | VV | 1709   | 23844   | 0.27%  | 0.019% |
| 182        | 12.312 | 12.293 | 12.332 | VV | 844    | 14606   | 0.16%  | 0.012% |
| 183        | 12.350 | 12.332 | 12.368 | VV | 1058   | 15443   | 0.17%  | 0.012% |
| 184        | 12.385 | 12.368 | 12.400 | VV | 928    | 11618   | 0.13%  | 0.009% |
| 185        | 12.418 | 12.400 | 12.437 | VV | 1455   | 21432   | 0.24%  | 0.017% |
| 186        | 12.456 | 12.437 | 12.470 | VV | 1885   | 26386   | 0.30%  | 0.021% |
| 187        | 12.481 | 12.470 | 12.510 | VV | 1532   | 27975   | 0.31%  | 0.022% |
| 188        | 12.528 | 12.510 | 12.540 | VV | 3226   | 39340   | 0.44%  | 0.031% |
| 189        | 12.549 | 12.540 | 12.575 | VV | 2750   | 34506   | 0.39%  | 0.027% |
| 190        | 12.603 | 12.575 | 12.615 | VV | 1586   | 24971   | 0.28%  | 0.020% |
| 191        | 12.637 | 12.615 | 12.655 | VV | 9825   | 120357  | 1.35%  | 0.096% |
| 192        | 12.675 | 12.655 | 12.715 | VV | 11738  | 194346  | 2.18%  | 0.155% |
| 193        | 12.754 | 12.715 | 12.807 | VV | 80496  | 956239  | 10.73% | 0.761% |
| 194        | 12.821 | 12.807 | 12.836 | VV | 611    | 7134    | 0.08%  | 0.006% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 12.852 | 12.836 | 12.867 | PV | 585        | 7271    | 0.08%  | 0.006% |
| 196 | 12.892 | 12.867 | 12.922 | VV | 4461       | 81367   | 0.91%  | 0.065% |
| 197 | 12.942 | 12.922 | 12.955 | VV | 4239       | 57672   | 0.65%  | 0.046% |
| 198 | 12.963 | 12.955 | 12.974 | VV | 2738       | 28365   | 0.32%  | 0.023% |
| 199 | 12.986 | 12.974 | 13.022 | VV | 2674       | 50635   | 0.57%  | 0.040% |
| 200 | 13.053 | 13.022 | 13.078 | VV | 70256      | 789811  | 8.86%  | 0.628% |
| 201 | 13.109 | 13.078 | 13.141 | VV | 263828     | 3820015 | 42.86% | 3.038% |
| 202 | 13.166 | 13.141 | 13.244 | VV | 342541     | 4410758 | 49.49% | 3.508% |
| 203 | 13.258 | 13.244 | 13.269 | VV | 2149       | 23726   | 0.27%  | 0.019% |
| 204 | 13.286 | 13.269 | 13.304 | VV | 7053       | 84434   | 0.95%  | 0.067% |
| 205 | 13.340 | 13.304 | 13.365 | VV | 39234      | 529472  | 5.94%  | 0.421% |
| 206 | 13.380 | 13.365 | 13.418 | VV | 4481       | 92065   | 1.03%  | 0.073% |
| 207 | 13.448 | 13.418 | 13.486 | VV | 2380       | 64537   | 0.72%  | 0.051% |
| 208 | 13.510 | 13.486 | 13.540 | VV | 5989       | 100457  | 1.13%  | 0.080% |
| 209 | 13.546 | 13.540 | 13.577 | VV | 1275       | 13698   | 0.15%  | 0.011% |
| 210 | 13.637 | 13.577 | 13.689 | PV | 24548      | 392441  | 4.40%  | 0.312% |
| 211 | 13.709 | 13.689 | 13.723 | VV | 1926       | 27682   | 0.31%  | 0.022% |
| 212 | 13.746 | 13.723 | 13.769 | VV | 13083      | 172850  | 1.94%  | 0.137% |
| 213 | 13.788 | 13.769 | 13.815 | VV | 6827       | 90151   | 1.01%  | 0.072% |
| 214 | 13.827 | 13.815 | 13.847 | VV | 1290       | 16460   | 0.18%  | 0.013% |
| 215 | 13.870 | 13.847 | 13.892 | VV | 8169       | 120284  | 1.35%  | 0.096% |
| 216 | 13.916 | 13.892 | 13.939 | VV | 8101       | 124584  | 1.40%  | 0.099% |
| 217 | 13.959 | 13.939 | 14.048 | VV | 7047       | 143733  | 1.61%  | 0.114% |
| 218 | 14.133 | 14.048 | 14.158 | PV | 6737       | 151508  | 1.70%  | 0.121% |
| 219 | 14.171 | 14.158 | 14.202 | VV | 5136       | 75242   | 0.84%  | 0.060% |
| 220 | 14.223 | 14.202 | 14.244 | VV | 1710       | 32609   | 0.37%  | 0.026% |
| 221 | 14.278 | 14.244 | 14.292 | VV | 2706       | 50836   | 0.57%  | 0.040% |
| 222 | 14.325 | 14.292 | 14.405 | VV | 8020       | 246371  | 2.76%  | 0.196% |
| 223 | 14.432 | 14.405 | 14.460 | VV | 6987       | 116280  | 1.30%  | 0.092% |
| 224 | 14.487 | 14.460 | 14.527 | VV | 8796       | 162475  | 1.82%  | 0.129% |
| 225 | 14.551 | 14.527 | 14.585 | VV | 7493       | 126419  | 1.42%  | 0.101% |
| 226 | 14.612 | 14.585 | 14.637 | VV | 9023       | 157240  | 1.76%  | 0.125% |
| 227 | 14.657 | 14.637 | 14.670 | VV | 2787       | 44056   | 0.49%  | 0.035% |
| 228 | 14.678 | 14.670 | 14.709 | VV | 1969       | 27510   | 0.31%  | 0.022% |
| 229 | 14.734 | 14.709 | 14.755 | VV | 1265       | 22468   | 0.25%  | 0.018% |
| 230 | 14.802 | 14.755 | 14.849 | VV | 2076       | 56966   | 0.64%  | 0.045% |
| 231 | 14.880 | 14.849 | 14.897 | PV | 2483       | 40741   | 0.46%  | 0.032% |
| 232 | 14.924 | 14.897 | 14.945 | VV | 31015      | 395215  | 4.43%  | 0.314% |
| 233 | 14.965 | 14.945 | 14.997 | VV | 33878      | 424452  | 4.76%  | 0.338% |
| 234 | 15.015 | 14.997 | 15.040 | VV | 965        | 17372   | 0.19%  | 0.014% |
| 235 | 15.086 | 15.040 | 15.139 | VV | 6369       | 140938  | 1.58%  | 0.112% |
| 236 | 15.166 | 15.139 | 15.194 | VV | 1667       | 34366   | 0.39%  | 0.027% |
| 237 | 15.230 | 15.194 | 15.255 | PV | 2555       | 45355   | 0.51%  | 0.036% |
| 238 | 15.276 | 15.255 | 15.305 | VV | 1881       | 43384   | 0.49%  | 0.035% |
| 239 | 15.321 | 15.305 | 15.338 | VV | 1423       | 21127   | 0.24%  | 0.017% |
| 240 | 15.367 | 15.338 | 15.444 | VV | 3643       | 109475  | 1.23%  | 0.087% |
| 241 | 15.487 | 15.444 | 15.522 | PV | 3963       | 75222   | 0.84%  | 0.060% |
| 242 | 15.547 | 15.522 | 15.572 | VV | 5466       | 92834   | 1.04%  | 0.074% |
| 243 | 15.595 | 15.572 | 15.616 | VV | 9236       | 132335  | 1.48%  | 0.105% |
| 244 | 15.634 | 15.616 | 15.655 | VV | 4967       | 76241   | 0.86%  | 0.061% |
| 245 | 15.679 | 15.655 | 15.697 | VV | 3612       | 69027   | 0.77%  | 0.055% |
| 246 | 15.756 | 15.697 | 15.789 | VV | 7583       | 234583  | 2.63%  | 0.187% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 247 | 15.832 | 15.789 | 15.859 | VV | 3788       | 114890  | 1.29%  | 0.091% |
| 248 | 15.879 | 15.859 | 15.895 | VV | 2935       | 57353   | 0.64%  | 0.046% |
| 249 | 15.919 | 15.895 | 15.935 | VV | 3750       | 75757   | 0.85%  | 0.060% |
| 250 | 15.985 | 15.935 | 16.010 | VV | 7132       | 185362  | 2.08%  | 0.147% |
| 251 | 16.025 | 16.010 | 16.067 | VV | 4090       | 113534  | 1.27%  | 0.090% |
| 252 | 16.092 | 16.067 | 16.106 | VV | 3000       | 66592   | 0.75%  | 0.053% |
| 253 | 16.199 | 16.106 | 16.247 | VV | 5785       | 339236  | 3.81%  | 0.270% |
| 254 | 16.294 | 16.247 | 16.315 | VV | 5320       | 182201  | 2.04%  | 0.145% |
| 255 | 16.361 | 16.315 | 16.372 | VV | 4960       | 148105  | 1.66%  | 0.118% |
| 256 | 16.392 | 16.372 | 16.439 | VV | 6389       | 195105  | 2.19%  | 0.155% |
| 257 | 16.478 | 16.439 | 16.498 | VV | 33415      | 564769  | 6.34%  | 0.449% |
| 258 | 16.507 | 16.498 | 16.552 | VV | 15408      | 300258  | 3.37%  | 0.239% |
| 259 | 16.610 | 16.552 | 16.681 | VV | 10555      | 502512  | 5.64%  | 0.400% |
| 260 | 16.698 | 16.681 | 16.715 | VV | 6378       | 123149  | 1.38%  | 0.098% |
| 261 | 16.731 | 16.715 | 16.745 | VV | 6672       | 112544  | 1.26%  | 0.090% |
| 262 | 16.771 | 16.745 | 16.781 | VV | 12070      | 197737  | 2.22%  | 0.157% |
| 263 | 16.801 | 16.781 | 16.831 | VV | 22288      | 409663  | 4.60%  | 0.326% |
| 264 | 16.859 | 16.831 | 16.892 | VV | 29322      | 540783  | 6.07%  | 0.430% |
| 265 | 16.934 | 16.892 | 16.947 | VV | 13811      | 333761  | 3.74%  | 0.265% |
| 266 | 16.963 | 16.947 | 16.988 | VV | 14997      | 298915  | 3.35%  | 0.238% |
| 267 | 17.009 | 16.988 | 17.035 | VV | 10601      | 279931  | 3.14%  | 0.223% |
| 268 | 17.111 | 17.035 | 17.132 | VV | 12242      | 633501  | 7.11%  | 0.504% |
| 269 | 17.144 | 17.132 | 17.152 | VV | 11091      | 132469  | 1.49%  | 0.105% |
| 270 | 17.221 | 17.152 | 17.249 | VV | 14448      | 732247  | 8.22%  | 0.582% |
| 271 | 17.260 | 17.249 | 17.297 | VV | 13568      | 363951  | 4.08%  | 0.289% |
| 272 | 17.381 | 17.297 | 17.408 | VV | 19473      | 943469  | 10.59% | 0.750% |
| 273 | 17.447 | 17.408 | 17.459 | VV | 14664      | 417471  | 4.68%  | 0.332% |
| 274 | 17.469 | 17.459 | 17.491 | VV | 15343      | 281226  | 3.16%  | 0.224% |
| 275 | 17.519 | 17.491 | 17.547 | VV | 18421      | 542830  | 6.09%  | 0.432% |
| 276 | 17.664 | 17.547 | 17.679 | VV | 18428      | 1336633 | 15.00% | 1.063% |
| 277 | 17.731 | 17.679 | 17.745 | VV | 20564      | 759197  | 8.52%  | 0.604% |
| 278 | 17.760 | 17.745 | 17.770 | VV | 20617      | 303093  | 3.40%  | 0.241% |
| 279 | 17.818 | 17.770 | 17.847 | VV | 28825      | 1073346 | 12.04% | 0.854% |
| 280 | 17.861 | 17.847 | 17.869 | VV | 21806      | 276767  | 3.11%  | 0.220% |
| 281 | 17.881 | 17.869 | 17.897 | VV | 21886      | 367557  | 4.12%  | 0.292% |
| 282 | 17.924 | 17.897 | 17.932 | VV | 22878      | 466242  | 5.23%  | 0.371% |
| 283 | 17.952 | 17.932 | 17.960 | VV | 23872      | 378656  | 4.25%  | 0.301% |
| 284 | 17.980 | 17.960 | 17.995 | VV | 27471      | 546081  | 6.13%  | 0.434% |
| 285 | 18.010 | 17.995 | 18.045 | VV | 25581      | 723343  | 8.12%  | 0.575% |
| 286 | 18.055 | 18.045 | 18.063 | VV | 23342      | 253197  | 2.84%  | 0.201% |
| 287 | 18.079 | 18.063 | 18.107 | VV | 23562      | 604339  | 6.78%  | 0.481% |
| 288 | 18.146 | 18.107 | 18.172 | VV | 27389      | 989490  | 11.10% | 0.787% |
| 289 | 18.232 | 18.172 | 18.255 | VV | 41275      | 1484415 | 16.65% | 1.181% |
| 290 | 18.264 | 18.255 | 18.291 | VV | 28233      | 591779  | 6.64%  | 0.471% |
| 291 | 18.354 | 18.291 | 18.382 | VV | 35678      | 1673251 | 18.77% | 1.331% |
| 292 | 18.395 | 18.382 | 18.425 | VV | 32469      | 825057  | 9.26%  | 0.656% |
| 293 | 18.484 | 18.425 | 18.517 | VV | 39823      | 1769292 | 19.85% | 1.407% |
| 294 | 18.575 | 18.517 | 18.590 | VV | 32615      | 1351233 | 15.16% | 1.075% |
| 295 | 18.616 | 18.590 | 18.629 | VV | 35610      | 780714  | 8.76%  | 0.621% |
| 296 | 18.646 | 18.629 | 18.674 | VV | 38836      | 952647  | 10.69% | 0.758% |
| 297 | 18.700 | 18.674 | 18.714 | VV | 32423      | 761165  | 8.54%  | 0.605% |
| 298 | 18.770 | 18.714 | 18.797 | VV | 37790      | 1740690 | 19.53% | 1.385% |
| 299 | 18.823 | 18.797 | 18.836 | VV | 37586      | 847713  | 9.51%  | 0.674% |

|     |        |        |        |    |            |         |         |        |
|-----|--------|--------|--------|----|------------|---------|---------|--------|
|     |        |        |        |    | rteres.txt |         |         |        |
| 300 | 18.846 | 18.836 | 18.855 | VV | 36781      | 420383  | 4.72%   | 0.334% |
| 301 | 18.877 | 18.855 | 18.885 | VV | 39388      | 690578  | 7.75%   | 0.549% |
| 302 | 18.941 | 18.885 | 18.949 | VV | 44597      | 1595497 | 17.90%  | 1.269% |
| 303 | 19.043 | 18.949 | 19.079 | VV | 65215      | 4278579 | 48.00%  | 3.403% |
| 304 | 19.086 | 19.079 | 19.114 | VV | 61621      | 1243087 | 13.95%  | 0.989% |
| 305 | 19.132 | 19.114 | 19.143 | VV | 55647      | 954496  | 10.71%  | 0.759% |
| 306 | 19.155 | 19.143 | 19.225 | VV | 56006      | 2642947 | 29.65%  | 2.102% |
| 307 | 19.235 | 19.225 | 19.255 | VV | 50315      | 888396  | 9.97%   | 0.707% |
| 308 | 19.272 | 19.255 | 19.297 | VV | 52946      | 1266435 | 14.21%  | 1.007% |
| 309 | 19.307 | 19.297 | 19.317 | VV | 51620      | 615035  | 6.90%   | 0.489% |
| 310 | 19.360 | 19.317 | 19.379 | VV | 56815      | 2033288 | 22.81%  | 1.617% |
| 311 | 19.388 | 19.379 | 19.405 | VV | 57107      | 893747  | 10.03%  | 0.711% |
| 312 | 19.428 | 19.405 | 19.458 | VV | 61479      | 1822077 | 20.44%  | 1.449% |
| 313 | 19.480 | 19.458 | 19.502 | VV | 58596      | 1505928 | 16.90%  | 1.198% |
| 314 | 19.515 | 19.502 | 19.530 | VV | 58501      | 980301  | 11.00%  | 0.780% |
| 315 | 19.570 | 19.530 | 19.602 | VV | 62480      | 2570837 | 28.84%  | 2.045% |
| 316 | 19.646 | 19.602 | 19.662 | VV | 66814      | 2288405 | 25.67%  | 1.820% |
| 317 | 19.703 | 19.662 | 19.720 | VV | 69827      | 2280818 | 25.59%  | 1.814% |
| 318 | 19.728 | 19.720 | 19.749 | VV | 67054      | 1097090 | 12.31%  | 0.873% |
| 319 | 19.760 | 19.749 | 19.768 | VV | 63691      | 727467  | 8.16%   | 0.579% |
| 320 | 19.803 | 19.768 | 19.837 | VV | 71957      | 2810822 | 31.54%  | 2.236% |
| 321 | 19.862 | 19.837 | 19.887 | VV | 71887      | 2078158 | 23.32%  | 1.653% |
| 322 | 19.915 | 19.887 | 19.934 | VV | 71577      | 1945703 | 21.83%  | 1.548% |
| 323 | 20.021 | 19.934 | 20.033 | VV | 80529      | 4482824 | 50.30%  | 3.566% |
| 324 | 20.087 | 20.033 | 20.145 | VV | 86389      | 5436244 | 60.99%  | 4.324% |
| 325 | 20.164 | 20.145 | 20.225 | VV | 86801      | 4023908 | 45.15%  | 3.201% |
| 326 | 20.254 | 20.225 | 20.264 | VV | 89865      | 1994188 | 22.37%  | 1.586% |
| 327 | 20.299 | 20.264 | 20.308 | VV | 90081      | 2376170 | 26.66%  | 1.890% |
| 328 | 20.383 | 20.308 | 20.465 | VV | 101690     | 8912993 | 100.00% | 7.089% |
| 329 | 20.472 | 20.465 | 20.511 | VV | 90279      | 2410792 | 27.05%  | 1.918% |
| 330 | 20.523 | 20.511 | 20.532 | VV | 89524      | 1116436 | 12.53%  | 0.888% |

Sum of corrected areas: 125724724

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