

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC031921AL\  
 Data File : FC052564.D  
 Signal(s) : FID1A.CH  
 Acq On : 20 Mar 2021 00:58  
 Sample : M1713-02  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 031721.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         | 3.283       | 3.255        | 3.309      | BV       | 84             | 829          | 0.01%          | 0.000%        |
| 2         | 3.324       | 3.309        | 3.353      | PV       | 629            | 5695         | 0.09%          | 0.003%        |
| 3         | 3.368       | 3.353        | 3.398      | VV       | 323            | 5472         | 0.09%          | 0.003%        |
| 4         | 3.425       | 3.398        | 3.437      | VV       | 355            | 4596         | 0.07%          | 0.003%        |
| 5         | 3.463       | 3.437        | 3.492      | VV       | 328            | 8641         | 0.14%          | 0.005%        |
| 6         | 3.497       | 3.492        | 3.558      | VV       | 319            | 8723         | 0.14%          | 0.005%        |
| 7         | 3.565       | 3.558        | 3.577      | VV       | 234            | 1834         | 0.03%          | 0.001%        |
| 8         | 3.623       | 3.577        | 3.637      | PV       | 382            | 9161         | 0.15%          | 0.005%        |
| 9         | 3.648       | 3.637        | 3.668      | VV       | 319            | 3361         | 0.05%          | 0.002%        |
| 10        | 3.700       | 3.668        | 3.722      | VV       | 491            | 8964         | 0.14%          | 0.005%        |
| 11        | 3.732       | 3.722        | 3.750      | VV       | 518            | 6152         | 0.10%          | 0.004%        |
| 12        | 3.767       | 3.750        | 3.802      | VV       | 331            | 8476         | 0.14%          | 0.005%        |
| 13        | 3.817       | 3.802        | 3.858      | VV       | 940            | 18086        | 0.29%          | 0.010%        |
| 14        | 3.868       | 3.858        | 3.888      | VV       | 384            | 4886         | 0.08%          | 0.003%        |
| 15        | 3.905       | 3.888        | 3.961      | VV       | 736            | 14269        | 0.23%          | 0.008%        |
| 16        | 3.981       | 3.961        | 4.047      | VV       | 2788           | 49283        | 0.79%          | 0.028%        |
| 17        | 4.055       | 4.047        | 4.073      | VV       | 478            | 5247         | 0.08%          | 0.003%        |
| 18        | 4.097       | 4.073        | 4.115      | VV       | 1005           | 12449        | 0.20%          | 0.007%        |
| 19        | 4.156       | 4.115        | 4.183      | VV       | 1725           | 29872        | 0.48%          | 0.017%        |
| 20        | 4.192       | 4.183        | 4.218      | VV       | 522            | 8030         | 0.13%          | 0.005%        |
| 21        | 4.234       | 4.218        | 4.283      | VV       | 490            | 9859         | 0.16%          | 0.006%        |
| 22        | 4.307       | 4.283        | 4.321      | VV       | 398            | 6051         | 0.10%          | 0.003%        |
| 23        | 4.333       | 4.321        | 4.358      | VV       | 310            | 5958         | 0.10%          | 0.003%        |
| 24        | 4.366       | 4.358        | 4.375      | VV       | 333            | 2823         | 0.05%          | 0.002%        |
| 25        | 4.391       | 4.375        | 4.412      | VV       | 1173           | 13518        | 0.22%          | 0.008%        |
| 26        | 4.434       | 4.412        | 4.452      | VV       | 857            | 11764        | 0.19%          | 0.007%        |
| 27        | 4.464       | 4.452        | 4.477      | VV       | 451            | 5244         | 0.08%          | 0.003%        |
| 28        | 4.495       | 4.477        | 4.521      | VV       | 512            | 9961         | 0.16%          | 0.006%        |
| 29        | 4.541       | 4.521        | 4.569      | VV       | 2061           | 24830        | 0.40%          | 0.014%        |
| 30        | 4.604       | 4.569        | 4.632      | VV       | 2254           | 32980        | 0.53%          | 0.019%        |
| 31        | 4.645       | 4.632        | 4.662      | VV       | 805            | 9400         | 0.15%          | 0.005%        |
| 32        | 4.675       | 4.662        | 4.705      | VV       | 462            | 10080        | 0.16%          | 0.006%        |
| 33        | 4.724       | 4.705        | 4.755      | VV       | 1209           | 20628        | 0.33%          | 0.012%        |
| 34        | 4.771       | 4.755        | 4.792      | VV       | 761            | 11742        | 0.19%          | 0.007%        |
| 35        | 4.808       | 4.792        | 4.828      | VV       | 842            | 12950        | 0.21%          | 0.007%        |
| 36        | 4.847       | 4.828        | 4.896      | VV       | 784            | 17638        | 0.28%          | 0.010%        |

|    |       |       |       |    | rteres |        |       |        |
|----|-------|-------|-------|----|--------|--------|-------|--------|
| 37 | 4.944 | 4.896 | 4.966 | VV | 1474   | 27155  | 0.43% | 0.016% |
| 38 | 4.979 | 4.966 | 4.994 | VV | 546    | 7875   | 0.13% | 0.005% |
| 39 | 5.032 | 4.994 | 5.059 | VV | 930    | 23737  | 0.38% | 0.014% |
| 40 | 5.083 | 5.059 | 5.096 | VV | 900    | 14156  | 0.23% | 0.008% |
|    |       |       |       |    |        |        |       |        |
| 41 | 5.109 | 5.096 | 5.122 | VV | 1139   | 12002  | 0.19% | 0.007% |
| 42 | 5.131 | 5.122 | 5.150 | VV | 637    | 8659   | 0.14% | 0.005% |
| 43 | 5.163 | 5.150 | 5.180 | VV | 746    | 7165   | 0.11% | 0.004% |
| 44 | 5.224 | 5.180 | 5.279 | VV | 1330   | 36948  | 0.59% | 0.021% |
| 45 | 5.304 | 5.279 | 5.338 | VV | 652    | 17017  | 0.27% | 0.010% |
|    |       |       |       |    |        |        |       |        |
| 46 | 5.349 | 5.338 | 5.391 | VV | 388    | 7676   | 0.12% | 0.004% |
| 47 | 5.430 | 5.391 | 5.447 | PV | 2030   | 24129  | 0.39% | 0.014% |
| 48 | 5.461 | 5.447 | 5.512 | VV | 980    | 18132  | 0.29% | 0.010% |
| 49 | 5.526 | 5.512 | 5.555 | VV | 427    | 8357   | 0.13% | 0.005% |
| 50 | 5.562 | 5.555 | 5.574 | VV | 311    | 2779   | 0.04% | 0.002% |
|    |       |       |       |    |        |        |       |        |
| 51 | 5.616 | 5.574 | 5.638 | VV | 1288   | 22589  | 0.36% | 0.013% |
| 52 | 5.683 | 5.638 | 5.697 | VV | 1204   | 28065  | 0.45% | 0.016% |
| 53 | 5.727 | 5.697 | 5.756 | VV | 1968   | 44584  | 0.71% | 0.026% |
| 54 | 5.765 | 5.756 | 5.785 | VV | 619    | 8696   | 0.14% | 0.005% |
| 55 | 5.800 | 5.785 | 5.828 | VV | 713    | 12705  | 0.20% | 0.007% |
|    |       |       |       |    |        |        |       |        |
| 56 | 5.837 | 5.828 | 5.848 | VV | 604    | 6018   | 0.10% | 0.003% |
| 57 | 5.863 | 5.848 | 5.876 | VV | 1143   | 12609  | 0.20% | 0.007% |
| 58 | 5.884 | 5.876 | 5.903 | VV | 670    | 7409   | 0.12% | 0.004% |
| 59 | 5.933 | 5.903 | 5.954 | VV | 1105   | 17230  | 0.28% | 0.010% |
| 60 | 5.979 | 5.954 | 6.010 | VV | 14628  | 148931 | 2.38% | 0.086% |
|    |       |       |       |    |        |        |       |        |
| 61 | 6.027 | 6.010 | 6.054 | VV | 1992   | 25971  | 0.42% | 0.015% |
| 62 | 6.073 | 6.054 | 6.095 | VV | 849    | 15442  | 0.25% | 0.009% |
| 63 | 6.127 | 6.095 | 6.145 | VV | 1114   | 22189  | 0.36% | 0.013% |
| 64 | 6.162 | 6.145 | 6.177 | VV | 726    | 11907  | 0.19% | 0.007% |
| 65 | 6.192 | 6.177 | 6.212 | VV | 707    | 13029  | 0.21% | 0.007% |
|    |       |       |       |    |        |        |       |        |
| 66 | 6.218 | 6.212 | 6.238 | VV | 697    | 9202   | 0.15% | 0.005% |
| 67 | 6.257 | 6.238 | 6.281 | VV | 844    | 15335  | 0.25% | 0.009% |
| 68 | 6.291 | 6.281 | 6.314 | VV | 512    | 7749   | 0.12% | 0.004% |
| 69 | 6.338 | 6.314 | 6.378 | VV | 737    | 17916  | 0.29% | 0.010% |
| 70 | 6.411 | 6.378 | 6.488 | VV | 2430   | 40073  | 0.64% | 0.023% |
|    |       |       |       |    |        |        |       |        |
| 71 | 6.525 | 6.488 | 6.542 | VV | 545    | 11844  | 0.19% | 0.007% |
| 72 | 6.561 | 6.542 | 6.578 | VV | 1774   | 20508  | 0.33% | 0.012% |
| 73 | 6.606 | 6.578 | 6.625 | VV | 824    | 14911  | 0.24% | 0.009% |
| 74 | 6.636 | 6.625 | 6.658 | PV | 306    | 3497   | 0.06% | 0.002% |
| 75 | 6.686 | 6.658 | 6.703 | VV | 584    | 7841   | 0.13% | 0.005% |
|    |       |       |       |    |        |        |       |        |
| 76 | 6.730 | 6.703 | 6.762 | VV | 1524   | 29907  | 0.48% | 0.017% |
| 77 | 6.776 | 6.762 | 6.797 | VV | 636    | 11103  | 0.18% | 0.006% |
| 78 | 6.813 | 6.797 | 6.838 | VV | 890    | 13874  | 0.22% | 0.008% |
| 79 | 6.878 | 6.838 | 6.892 | VV | 565    | 12321  | 0.20% | 0.007% |
| 80 | 6.938 | 6.892 | 6.955 | VV | 1172   | 30484  | 0.49% | 0.018% |
|    |       |       |       |    |        |        |       |        |
| 81 | 6.973 | 6.955 | 7.000 | VV | 1370   | 24954  | 0.40% | 0.014% |
| 82 | 7.035 | 7.000 | 7.062 | VV | 4201   | 63922  | 1.02% | 0.037% |
| 83 | 7.071 | 7.062 | 7.095 | VV | 873    | 13461  | 0.22% | 0.008% |
| 84 | 7.115 | 7.095 | 7.152 | VV | 2838   | 40667  | 0.65% | 0.023% |
| 85 | 7.170 | 7.152 | 7.193 | VV | 3848   | 40526  | 0.65% | 0.023% |
|    |       |       |       |    |        |        |       |        |
| 86 | 7.215 | 7.193 | 7.232 | VV | 695    | 10457  | 0.17% | 0.006% |
| 87 | 7.238 | 7.232 | 7.248 | VV | 449    | 3342   | 0.05% | 0.002% |
| 88 | 7.260 | 7.248 | 7.278 | VV | 375    | 3965   | 0.06% | 0.002% |
| 89 | 7.302 | 7.278 | 7.312 | VV | 490    | 8370   | 0.13% | 0.005% |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 90  | 7.336  | 7.312  | 7.368  | VV | 3068   | 37053  | 0.59% | 0.021% |
| 91  | 7.388  | 7.368  | 7.412  | VV | 455    | 8540   | 0.14% | 0.005% |
| 92  | 7.419  | 7.412  | 7.439  | VV | 405    | 5283   | 0.08% | 0.003% |
| 93  | 7.512  | 7.439  | 7.548  | VV | 1218   | 28867  | 0.46% | 0.017% |
| 94  | 7.565  | 7.548  | 7.581  | VV | 487    | 4765   | 0.08% | 0.003% |
| 95  | 7.593  | 7.581  | 7.602  | PV | 279    | 1712   | 0.03% | 0.001% |
| 96  | 7.762  | 7.728  | 7.804  | VV | 2214   | 56605  | 0.91% | 0.033% |
| 97  | 7.815  | 7.804  | 7.845  | VV | 1040   | 19039  | 0.30% | 0.011% |
| 98  | 7.858  | 7.845  | 7.881  | VV | 702    | 9906   | 0.16% | 0.006% |
| 99  | 7.910  | 7.881  | 7.930  | VV | 1678   | 31396  | 0.50% | 0.018% |
| 100 | 7.949  | 7.930  | 7.995  | VV | 1518   | 38374  | 0.61% | 0.022% |
| 101 | 8.028  | 7.995  | 8.065  | VV | 4917   | 78028  | 1.25% | 0.045% |
| 102 | 8.087  | 8.065  | 8.112  | VV | 961    | 21996  | 0.35% | 0.013% |
| 103 | 8.132  | 8.112  | 8.147  | VV | 4128   | 49222  | 0.79% | 0.028% |
| 104 | 8.161  | 8.147  | 8.174  | VV | 2972   | 34405  | 0.55% | 0.020% |
| 105 | 8.207  | 8.174  | 8.231  | VV | 4931   | 82193  | 1.32% | 0.047% |
| 106 | 8.266  | 8.231  | 8.292  | VV | 2824   | 59604  | 0.95% | 0.034% |
| 107 | 8.316  | 8.292  | 8.350  | VV | 24382  | 268949 | 4.30% | 0.155% |
| 108 | 8.369  | 8.350  | 8.395  | VV | 3237   | 40886  | 0.65% | 0.023% |
| 109 | 8.404  | 8.395  | 8.418  | VV | 697    | 7950   | 0.13% | 0.005% |
| 110 | 8.455  | 8.418  | 8.475  | VV | 1500   | 25519  | 0.41% | 0.015% |
| 111 | 8.561  | 8.553  | 8.592  | VV | 2222   | 35743  | 0.57% | 0.021% |
| 112 | 8.611  | 8.592  | 8.642  | VV | 4387   | 66380  | 1.06% | 0.038% |
| 113 | 8.666  | 8.642  | 8.689  | VV | 3613   | 58078  | 0.93% | 0.033% |
| 114 | 8.743  | 8.689  | 8.768  | VV | 6340   | 115243 | 1.84% | 0.066% |
| 115 | 8.796  | 8.768  | 8.813  | VV | 1249   | 22543  | 0.36% | 0.013% |
| 116 | 8.852  | 8.813  | 8.870  | VV | 3708   | 60033  | 0.96% | 0.034% |
| 117 | 8.885  | 8.870  | 8.908  | VV | 3292   | 40636  | 0.65% | 0.023% |
| 118 | 8.923  | 8.908  | 8.937  | VV | 1058   | 12733  | 0.20% | 0.007% |
| 119 | 8.973  | 8.937  | 8.989  | VV | 2179   | 40108  | 0.64% | 0.023% |
| 120 | 9.025  | 8.989  | 9.045  | VV | 7861   | 114563 | 1.83% | 0.066% |
| 121 | 9.061  | 9.045  | 9.097  | VV | 5995   | 70792  | 1.13% | 0.041% |
| 122 | 9.117  | 9.097  | 9.142  | VV | 1226   | 14315  | 0.23% | 0.008% |
| 123 | 9.176  | 9.142  | 9.194  | VV | 7774   | 90422  | 1.45% | 0.052% |
| 124 | 9.208  | 9.194  | 9.226  | VV | 3710   | 39009  | 0.62% | 0.022% |
| 125 | 9.260  | 9.226  | 9.279  | VV | 3326   | 45497  | 0.73% | 0.026% |
| 126 | 9.312  | 9.279  | 9.335  | VV | 6204   | 79459  | 1.27% | 0.046% |
| 127 | 9.354  | 9.335  | 9.374  | VV | 5952   | 69790  | 1.12% | 0.040% |
| 128 | 9.397  | 9.374  | 9.445  | VV | 5809   | 128916 | 2.06% | 0.074% |
| 129 | 9.469  | 9.445  | 9.522  | VV | 14478  | 232149 | 3.72% | 0.133% |
| 130 | 9.540  | 9.522  | 9.559  | VV | 4650   | 62095  | 0.99% | 0.036% |
| 131 | 9.577  | 9.559  | 9.588  | VV | 2475   | 33910  | 0.54% | 0.019% |
| 132 | 9.602  | 9.588  | 9.642  | VV | 3040   | 68423  | 1.10% | 0.039% |
| 133 | 9.655  | 9.642  | 9.694  | VV | 2070   | 34262  | 0.55% | 0.020% |
| 134 | 9.717  | 9.694  | 9.743  | VV | 7763   | 105170 | 1.68% | 0.060% |
| 135 | 9.771  | 9.743  | 9.785  | VV | 2165   | 47298  | 0.76% | 0.027% |
| 136 | 9.812  | 9.785  | 9.857  | VV | 11122  | 203468 | 3.26% | 0.117% |
| 137 | 9.878  | 9.857  | 9.897  | VV | 2924   | 45650  | 0.73% | 0.026% |
| 138 | 9.913  | 9.897  | 9.948  | VV | 2439   | 36554  | 0.59% | 0.021% |
| 139 | 9.980  | 9.948  | 10.004 | PV | 3993   | 60581  | 0.97% | 0.035% |
| 140 | 10.015 | 10.004 | 10.042 | VV | 1320   | 13315  | 0.21% | 0.008% |
| 141 | 10.076 | 10.042 | 10.094 | PV | 9448   | 104813 | 1.68% | 0.060% |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 142 | 10.112 | 10.094 | 10.126 | VV | 8028   | 96137   | 1.54%   | 0.055% |
| 143 | 10.139 | 10.126 | 10.170 | VV | 8194   | 95973   | 1.54%   | 0.055% |
| 144 | 10.196 | 10.170 | 10.218 | VV | 5183   | 73062   | 1.17%   | 0.042% |
| 145 | 10.250 | 10.218 | 10.261 | VV | 9821   | 135526  | 2.17%   | 0.078% |
|     |        |        |        |    |        |         |         |        |
| 146 | 10.276 | 10.261 | 10.300 | VV | 13629  | 181502  | 2.91%   | 0.104% |
| 147 | 10.318 | 10.300 | 10.359 | VV | 6750   | 107007  | 1.71%   | 0.061% |
| 148 | 10.392 | 10.359 | 10.430 | VV | 11654  | 226966  | 3.63%   | 0.130% |
| 149 | 10.451 | 10.430 | 10.500 | VV | 7607   | 149968  | 2.40%   | 0.086% |
| 150 | 10.565 | 10.500 | 10.581 | VV | 21996  | 379146  | 6.07%   | 0.218% |
|     |        |        |        |    |        |         |         |        |
| 151 | 10.616 | 10.581 | 10.638 | VV | 16911  | 379696  | 6.08%   | 0.218% |
| 152 | 10.690 | 10.638 | 10.714 | VV | 27651  | 438007  | 7.01%   | 0.252% |
| 153 | 10.726 | 10.714 | 10.744 | VV | 3723   | 53349   | 0.85%   | 0.031% |
| 154 | 10.761 | 10.744 | 10.773 | VV | 4750   | 59291   | 0.95%   | 0.034% |
| 155 | 10.796 | 10.773 | 10.828 | VV | 47193  | 565118  | 9.05%   | 0.325% |
|     |        |        |        |    |        |         |         |        |
| 156 | 10.870 | 10.828 | 10.911 | VV | 50805  | 759364  | 12.15%  | 0.436% |
| 157 | 10.928 | 10.911 | 10.957 | VV | 3814   | 65531   | 1.05%   | 0.038% |
| 158 | 10.969 | 10.957 | 10.994 | VV | 1658   | 24700   | 0.40%   | 0.014% |
| 159 | 11.011 | 10.994 | 11.031 | VV | 1107   | 16190   | 0.26%   | 0.009% |
| 160 | 11.096 | 11.031 | 11.125 | PV | 11949  | 265318  | 4.25%   | 0.152% |
|     |        |        |        |    |        |         |         |        |
| 161 | 11.153 | 11.125 | 11.175 | VV | 5291   | 113287  | 1.81%   | 0.065% |
| 162 | 11.200 | 11.175 | 11.217 | VV | 8954   | 143827  | 2.30%   | 0.083% |
| 163 | 11.224 | 11.217 | 11.236 | VV | 5064   | 50157   | 0.80%   | 0.029% |
| 164 | 11.247 | 11.236 | 11.266 | VV | 4640   | 64061   | 1.03%   | 0.037% |
| 165 | 11.290 | 11.266 | 11.298 | VV | 5815   | 84309   | 1.35%   | 0.048% |
|     |        |        |        |    |        |         |         |        |
| 166 | 11.335 | 11.298 | 11.363 | VV | 16697  | 310975  | 4.98%   | 0.179% |
| 167 | 11.396 | 11.363 | 11.419 | VV | 20736  | 296192  | 4.74%   | 0.170% |
| 168 | 11.449 | 11.419 | 11.473 | VV | 11805  | 229169  | 3.67%   | 0.132% |
| 169 | 11.488 | 11.473 | 11.512 | VV | 6099   | 94831   | 1.52%   | 0.054% |
| 170 | 11.569 | 11.512 | 11.589 | VV | 425417 | 4660670 | 74.60%  | 2.678% |
|     |        |        |        |    |        |         |         |        |
| 171 | 11.601 | 11.589 | 11.615 | VV | 53086  | 561342  | 8.99%   | 0.323% |
| 172 | 11.631 | 11.615 | 11.657 | VV | 82564  | 979335  | 15.68%  | 0.563% |
| 173 | 11.714 | 11.657 | 11.733 | VV | 60368  | 1367123 | 21.88%  | 0.786% |
| 174 | 11.749 | 11.733 | 11.762 | VV | 38568  | 434207  | 6.95%   | 0.249% |
| 175 | 11.780 | 11.762 | 11.808 | VV | 83749  | 1008463 | 16.14%  | 0.579% |
|     |        |        |        |    |        |         |         |        |
| 176 | 11.818 | 11.808 | 11.832 | VV | 4743   | 55374   | 0.89%   | 0.032% |
| 177 | 11.851 | 11.832 | 11.869 | VV | 7055   | 107752  | 1.72%   | 0.062% |
| 178 | 11.907 | 11.869 | 11.944 | VV | 10040  | 287565  | 4.60%   | 0.165% |
| 179 | 11.961 | 11.944 | 11.974 | VV | 10215  | 133337  | 2.13%   | 0.077% |
| 180 | 12.007 | 11.974 | 12.050 | VV | 23388  | 553524  | 8.86%   | 0.318% |
|     |        |        |        |    |        |         |         |        |
| 181 | 12.071 | 12.050 | 12.113 | VV | 28663  | 481297  | 7.70%   | 0.277% |
| 182 | 12.127 | 12.113 | 12.138 | VV | 6939   | 95108   | 1.52%   | 0.055% |
| 183 | 12.162 | 12.138 | 12.198 | VV | 19538  | 454483  | 7.27%   | 0.261% |
| 184 | 12.215 | 12.198 | 12.236 | VV | 17002  | 259397  | 4.15%   | 0.149% |
| 185 | 12.274 | 12.236 | 12.293 | VV | 43202  | 621669  | 9.95%   | 0.357% |
|     |        |        |        |    |        |         |         |        |
| 186 | 12.318 | 12.293 | 12.367 | VV | 53229  | 908032  | 14.53%  | 0.522% |
| 187 | 12.390 | 12.367 | 12.429 | VV | 27384  | 563891  | 9.03%   | 0.324% |
| 188 | 12.496 | 12.429 | 12.522 | VV | 103257 | 1972500 | 31.57%  | 1.133% |
| 189 | 12.537 | 12.522 | 12.548 | VV | 29513  | 412384  | 6.60%   | 0.237% |
| 190 | 12.568 | 12.548 | 12.590 | VV | 58545  | 891979  | 14.28%  | 0.513% |
|     |        |        |        |    |        |         |         |        |
| 191 | 12.624 | 12.590 | 12.665 | VV | 508470 | 6247524 | 100.00% | 3.590% |
| 192 | 12.677 | 12.665 | 12.693 | VV | 4934   | 56220   | 0.90%   | 0.032% |
| 193 | 12.735 | 12.693 | 12.769 | VV | 51956  | 1151325 | 18.43%  | 0.662% |
| 194 | 12.778 | 12.769 | 12.791 | VV | 23439  | 273655  | 4.38%   | 0.157% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.806 | 12.791 | 12.873 | VV | 27575  | 805612  | 12.89% | 0.463% |
| 196 | 12.922 | 12.873 | 12.939 | VV | 441866 | 5046650 | 80.78% | 2.900% |
| 197 | 12.951 | 12.939 | 12.965 | VV | 81243  | 904304  | 14.47% | 0.520% |
| 198 | 13.006 | 12.965 | 13.036 | VV | 362960 | 4998571 | 80.01% | 2.872% |
| 199 | 13.058 | 13.036 | 13.072 | VV | 15514  | 215750  | 3.45%  | 0.124% |
| 200 | 13.088 | 13.072 | 13.103 | VV | 29211  | 343852  | 5.50%  | 0.198% |
| 201 | 13.116 | 13.103 | 13.141 | VV | 19996  | 250507  | 4.01%  | 0.144% |
| 202 | 13.180 | 13.141 | 13.201 | PV | 49609  | 706039  | 11.30% | 0.406% |
| 203 | 13.221 | 13.201 | 13.239 | VV | 45521  | 603849  | 9.67%  | 0.347% |
| 204 | 13.247 | 13.239 | 13.283 | VV | 18909  | 249909  | 4.00%  | 0.144% |
| 205 | 13.312 | 13.283 | 13.329 | VV | 31859  | 397243  | 6.36%  | 0.228% |
| 206 | 13.339 | 13.329 | 13.351 | VV | 15355  | 175886  | 2.82%  | 0.101% |
| 207 | 13.380 | 13.351 | 13.432 | VV | 98540  | 1544937 | 24.73% | 0.888% |
| 208 | 13.454 | 13.432 | 13.468 | VV | 24517  | 319492  | 5.11%  | 0.184% |
| 209 | 13.506 | 13.468 | 13.546 | VV | 129310 | 2202469 | 35.25% | 1.266% |
| 210 | 13.573 | 13.546 | 13.590 | VV | 21906  | 314661  | 5.04%  | 0.181% |
| 211 | 13.618 | 13.590 | 13.639 | VV | 220762 | 2801502 | 44.84% | 1.610% |
| 212 | 13.653 | 13.639 | 13.675 | VV | 64442  | 742380  | 11.88% | 0.427% |
| 213 | 13.687 | 13.675 | 13.709 | VV | 11729  | 191184  | 3.06%  | 0.110% |
| 214 | 13.783 | 13.709 | 13.804 | VV | 52841  | 1463121 | 23.42% | 0.841% |
| 215 | 13.822 | 13.804 | 13.863 | VV | 56574  | 795436  | 12.73% | 0.457% |
| 216 | 13.896 | 13.863 | 13.914 | VV | 17285  | 303162  | 4.85%  | 0.174% |
| 217 | 13.931 | 13.914 | 13.955 | VV | 9852   | 169167  | 2.71%  | 0.097% |
| 218 | 14.001 | 13.955 | 14.020 | VV | 7322   | 233809  | 3.74%  | 0.134% |
| 219 | 14.031 | 14.020 | 14.044 | VV | 5137   | 52101   | 0.83%  | 0.030% |
| 220 | 14.060 | 14.044 | 14.073 | VV | 4299   | 44564   | 0.71%  | 0.026% |
| 221 | 14.091 | 14.073 | 14.105 | VV | 6297   | 81536   | 1.31%  | 0.047% |
| 222 | 14.129 | 14.105 | 14.147 | VV | 6582   | 143289  | 2.29%  | 0.082% |
| 223 | 14.208 | 14.147 | 14.224 | VV | 35445  | 769235  | 12.31% | 0.442% |
| 224 | 14.238 | 14.224 | 14.274 | VV | 37473  | 562745  | 9.01%  | 0.323% |
| 225 | 14.317 | 14.274 | 14.328 | VV | 21297  | 427157  | 6.84%  | 0.245% |
| 226 | 14.342 | 14.328 | 14.387 | VV | 23168  | 452747  | 7.25%  | 0.260% |
| 227 | 14.417 | 14.387 | 14.436 | VV | 43097  | 683507  | 10.94% | 0.393% |
| 228 | 14.446 | 14.436 | 14.458 | VV | 17763  | 198956  | 3.18%  | 0.114% |
| 229 | 14.481 | 14.458 | 14.503 | VV | 88018  | 1169553 | 18.72% | 0.672% |
| 230 | 14.542 | 14.503 | 14.579 | VV | 42482  | 997520  | 15.97% | 0.573% |
| 231 | 14.609 | 14.579 | 14.623 | VV | 12276  | 238390  | 3.82%  | 0.137% |
| 232 | 14.664 | 14.623 | 14.722 | VV | 21727  | 595683  | 9.53%  | 0.342% |
| 233 | 14.746 | 14.722 | 14.765 | VV | 22083  | 273324  | 4.37%  | 0.157% |
| 234 | 14.798 | 14.765 | 14.818 | VV | 269840 | 3472515 | 55.58% | 1.995% |
| 235 | 14.840 | 14.818 | 14.866 | VV | 261249 | 2964473 | 47.45% | 1.703% |
| 236 | 14.883 | 14.866 | 14.908 | VV | 12714  | 158890  | 2.54%  | 0.091% |
| 237 | 14.954 | 14.908 | 15.008 | VV | 70030  | 1254918 | 20.09% | 0.721% |
| 238 | 15.031 | 15.008 | 15.066 | VV | 15488  | 285104  | 4.56%  | 0.164% |
| 239 | 15.100 | 15.066 | 15.117 | PV | 19019  | 311521  | 4.99%  | 0.179% |
| 240 | 15.135 | 15.117 | 15.189 | VV | 20977  | 532437  | 8.52%  | 0.306% |
| 241 | 15.239 | 15.189 | 15.313 | VV | 41142  | 960863  | 15.38% | 0.552% |
| 242 | 15.332 | 15.313 | 15.357 | VV | 7696   | 134113  | 2.15%  | 0.077% |
| 243 | 15.381 | 15.357 | 15.399 | VV | 11092  | 171486  | 2.74%  | 0.099% |
| 244 | 15.422 | 15.399 | 15.441 | VV | 20612  | 327060  | 5.24%  | 0.188% |
| 245 | 15.467 | 15.441 | 15.487 | VV | 82570  | 1094072 | 17.51% | 0.629% |
| 246 | 15.504 | 15.487 | 15.533 | VV | 36102  | 562834  | 9.01%  | 0.323% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 15.550 | 15.533 | 15.568 | VV | 22962  | 304011  | 4.87%  | 0.175% |
| 248    | 15.627 | 15.568 | 15.662 | VV | 47062  | 1336614 | 21.39% | 0.768% |
| 249    | 15.704 | 15.662 | 15.729 | VV | 17088  | 367634  | 5.88%  | 0.211% |
| 250    | 15.744 | 15.729 | 15.765 | VV | 4901   | 82556   | 1.32%  | 0.047% |
|        |        |        |        |    |        |         |        |        |
| 251    | 15.787 | 15.765 | 15.807 | VV | 18238  | 241600  | 3.87%  | 0.139% |
| 252    | 15.824 | 15.807 | 15.844 | VV | 9336   | 136148  | 2.18%  | 0.078% |
| 253    | 15.889 | 15.844 | 15.922 | VV | 12897  | 341246  | 5.46%  | 0.196% |
| 254    | 15.935 | 15.922 | 15.946 | VV | 2805   | 33076   | 0.53%  | 0.019% |
| 255    | 15.965 | 15.946 | 15.983 | VV | 4449   | 65961   | 1.06%  | 0.038% |
|        |        |        |        |    |        |         |        |        |
| 256    | 15.996 | 15.983 | 16.011 | VV | 3447   | 43890   | 0.70%  | 0.025% |
| 257    | 16.075 | 16.011 | 16.095 | VV | 12540  | 326775  | 5.23%  | 0.188% |
| 258    | 16.101 | 16.095 | 16.117 | VV | 9618   | 97581   | 1.56%  | 0.056% |
| 259    | 16.138 | 16.117 | 16.155 | VV | 16723  | 235966  | 3.78%  | 0.136% |
| 260    | 16.173 | 16.155 | 16.202 | VV | 13441  | 282600  | 4.52%  | 0.162% |
|        |        |        |        |    |        |         |        |        |
| 261    | 16.266 | 16.202 | 16.307 | VV | 22221  | 797646  | 12.77% | 0.458% |
| 262    | 16.358 | 16.307 | 16.420 | VV | 231001 | 4876768 | 78.06% | 2.802% |
| 263    | 16.435 | 16.420 | 16.452 | VV | 8909   | 138724  | 2.22%  | 0.080% |
| 264    | 16.483 | 16.452 | 16.505 | VV | 59394  | 859501  | 13.76% | 0.494% |
| 265    | 16.520 | 16.505 | 16.559 | VV | 18844  | 385776  | 6.17%  | 0.222% |
|        |        |        |        |    |        |         |        |        |
| 266    | 16.572 | 16.559 | 16.584 | VV | 8677   | 116946  | 1.87%  | 0.067% |
| 267    | 16.603 | 16.584 | 16.619 | VV | 15313  | 242341  | 3.88%  | 0.139% |
| 268    | 16.676 | 16.619 | 16.703 | VV | 135514 | 2540786 | 40.67% | 1.460% |
| 269    | 16.737 | 16.703 | 16.783 | VV | 214936 | 2907217 | 46.53% | 1.670% |
| 270    | 16.834 | 16.783 | 16.861 | VV | 55522  | 968185  | 15.50% | 0.556% |
|        |        |        |        |    |        |         |        |        |
| 271    | 16.883 | 16.861 | 16.916 | VV | 21267  | 471358  | 7.54%  | 0.271% |
| 272    | 16.976 | 16.916 | 17.016 | VV | 26137  | 989686  | 15.84% | 0.569% |
| 273    | 17.036 | 17.016 | 17.054 | VV | 15007  | 279593  | 4.48%  | 0.161% |
| 274    | 17.096 | 17.054 | 17.128 | VV | 40478  | 1158609 | 18.55% | 0.666% |
| 275    | 17.135 | 17.128 | 17.175 | VV | 24326  | 431434  | 6.91%  | 0.248% |
|        |        |        |        |    |        |         |        |        |
| 276    | 17.197 | 17.175 | 17.209 | VV | 19756  | 305924  | 4.90%  | 0.176% |
| 277    | 17.256 | 17.209 | 17.291 | VV | 28492  | 1020284 | 16.33% | 0.586% |
| 278    | 17.316 | 17.291 | 17.334 | VV | 25969  | 478409  | 7.66%  | 0.275% |
| 279    | 17.345 | 17.334 | 17.368 | VV | 20531  | 339046  | 5.43%  | 0.195% |
| 280    | 17.390 | 17.368 | 17.415 | VV | 33583  | 633253  | 10.14% | 0.364% |
|        |        |        |        |    |        |         |        |        |
| 281    | 17.429 | 17.415 | 17.444 | VV | 16459  | 257598  | 4.12%  | 0.148% |
| 282    | 17.454 | 17.444 | 17.469 | VV | 14321  | 189589  | 3.03%  | 0.109% |
| 283    | 17.502 | 17.469 | 17.529 | VV | 17250  | 479367  | 7.67%  | 0.275% |
| 284    | 17.539 | 17.529 | 17.555 | VV | 9781   | 144412  | 2.31%  | 0.083% |
| 285    | 17.571 | 17.555 | 17.587 | VV | 12407  | 206603  | 3.31%  | 0.119% |
|        |        |        |        |    |        |         |        |        |
| 286    | 17.615 | 17.587 | 17.625 | VV | 12318  | 251676  | 4.03%  | 0.145% |
| 287    | 17.691 | 17.625 | 17.702 | VV | 23773  | 796073  | 12.74% | 0.457% |
| 288    | 17.719 | 17.702 | 17.744 | VV | 24301  | 516636  | 8.27%  | 0.297% |
| 289    | 17.786 | 17.744 | 17.799 | VV | 19167  | 567157  | 9.08%  | 0.326% |
| 290    | 17.826 | 17.799 | 17.842 | VV | 26140  | 552583  | 8.84%  | 0.318% |
|        |        |        |        |    |        |         |        |        |
| 291    | 17.866 | 17.842 | 17.932 | VV | 40457  | 1548770 | 24.79% | 0.890% |
| 292    | 17.950 | 17.932 | 17.978 | VV | 22067  | 522824  | 8.37%  | 0.300% |
| 293    | 18.010 | 17.978 | 18.055 | VV | 48681  | 1327829 | 21.25% | 0.763% |
| 294    | 18.104 | 18.055 | 18.125 | VV | 116973 | 2167584 | 34.70% | 1.245% |
| 295    | 18.140 | 18.125 | 18.168 | VV | 41250  | 828530  | 13.26% | 0.476% |
|        |        |        |        |    |        |         |        |        |
| 296    | 18.185 | 18.168 | 18.208 | VV | 31083  | 617263  | 9.88%  | 0.355% |
| 297    | 18.234 | 18.208 | 18.252 | VV | 73015  | 1200597 | 19.22% | 0.690% |
| 298    | 18.266 | 18.252 | 18.327 | VV | 51413  | 1336611 | 21.39% | 0.768% |
| 299    | 18.358 | 18.327 | 18.408 | VV | 97511  | 1864346 | 29.84% | 1.071% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 300 | 18.441 | 18.408 | 18.456 | VV | 29676  | 687922  | 11.01% | 0.395% |
| 301 | 18.487 | 18.456 | 18.517 | VV | 53155  | 1135273 | 18.17% | 0.652% |
| 302 | 18.545 | 18.517 | 18.568 | VV | 25113  | 635590  | 10.17% | 0.365% |
| 303 | 18.585 | 18.568 | 18.626 | VV | 21929  | 673940  | 10.79% | 0.387% |
| 304 | 18.656 | 18.626 | 18.682 | VV | 32572  | 858668  | 13.74% | 0.493% |
| 305 | 18.701 | 18.682 | 18.752 | VV | 28348  | 1020700 | 16.34% | 0.586% |
| 306 | 18.759 | 18.752 | 18.768 | VV | 23699  | 235377  | 3.77%  | 0.135% |
| 307 | 18.788 | 18.768 | 18.810 | VV | 34677  | 727433  | 11.64% | 0.418% |
| 308 | 18.830 | 18.810 | 18.848 | VV | 27691  | 597699  | 9.57%  | 0.343% |
| 309 | 18.870 | 18.848 | 18.887 | VV | 32356  | 621574  | 9.95%  | 0.357% |
| 310 | 18.943 | 18.887 | 18.972 | VV | 34397  | 1535675 | 24.58% | 0.882% |
| 311 | 18.984 | 18.972 | 19.005 | VV | 29326  | 523393  | 8.38%  | 0.301% |
| 312 | 19.048 | 19.005 | 19.093 | VV | 32021  | 1395564 | 22.34% | 0.802% |
| 313 | 19.146 | 19.093 | 19.173 | VV | 25863  | 1114908 | 17.85% | 0.641% |
| 314 | 19.205 | 19.173 | 19.238 | VV | 26655  | 979926  | 15.69% | 0.563% |
| 315 | 19.278 | 19.238 | 19.301 | VV | 25511  | 910224  | 14.57% | 0.523% |
| 316 | 19.325 | 19.301 | 19.345 | VV | 29885  | 730300  | 11.69% | 0.420% |
| 317 | 19.368 | 19.345 | 19.402 | VV | 32993  | 951649  | 15.23% | 0.547% |
| 318 | 19.450 | 19.402 | 19.480 | VV | 36378  | 1391088 | 22.27% | 0.799% |
| 319 | 19.513 | 19.480 | 19.539 | VV | 69513  | 1606554 | 25.72% | 0.923% |
| 320 | 19.582 | 19.539 | 19.612 | VV | 67309  | 2021485 | 32.36% | 1.162% |
| 321 | 19.630 | 19.612 | 19.655 | VV | 40411  | 995892  | 15.94% | 0.572% |
| 322 | 19.676 | 19.655 | 19.735 | VV | 42099  | 1772398 | 28.37% | 1.018% |
| 323 | 19.762 | 19.735 | 19.776 | VV | 33765  | 801169  | 12.82% | 0.460% |
| 324 | 19.794 | 19.776 | 19.827 | VV | 37176  | 986135  | 15.78% | 0.567% |
| 325 | 19.891 | 19.827 | 19.919 | VV | 73622  | 2453535 | 39.27% | 1.410% |
| 326 | 19.958 | 19.919 | 19.971 | VV | 49529  | 1273899 | 20.39% | 0.732% |
| 327 | 19.980 | 19.971 | 20.012 | VV | 47898  | 1036401 | 16.59% | 0.596% |
| 328 | 20.034 | 20.012 | 20.053 | VV | 43302  | 996055  | 15.94% | 0.572% |
| 329 | 20.071 | 20.053 | 20.119 | VV | 40888  | 1486585 | 23.79% | 0.854% |
| 330 | 20.144 | 20.119 | 20.192 | VV | 40496  | 1649894 | 26.41% | 0.948% |
| 331 | 20.234 | 20.192 | 20.265 | VV | 44882  | 1818254 | 29.10% | 1.045% |
| 332 | 20.281 | 20.265 | 20.293 | VV | 41350  | 695912  | 11.14% | 0.400% |
| 333 | 20.314 | 20.293 | 20.357 | VV | 41701  | 1496229 | 23.95% | 0.860% |
| 334 | 20.373 | 20.357 | 20.403 | VV | 37528  | 1002236 | 16.04% | 0.576% |
| 335 | 20.423 | 20.403 | 20.451 | VV | 38910  | 1043432 | 16.70% | 0.600% |
| 336 | 20.474 | 20.451 | 20.495 | VV | 36511  | 912915  | 14.61% | 0.525% |
| 337 | 20.532 | 20.495 | 20.562 | VV | 38893  | 1449473 | 23.20% | 0.833% |
| 338 | 20.571 | 20.562 | 20.610 | VV | 36376  | 984911  | 15.76% | 0.566% |
| 339 | 20.627 | 20.610 | 20.689 | VV | 30693  | 1387354 | 22.21% | 0.797% |
| 340 | 20.705 | 20.689 | 20.778 | VV | 28841  | 1426564 | 22.83% | 0.820% |
| 341 | 20.802 | 20.778 | 20.842 | VV | 28314  | 968294  | 15.50% | 0.556% |
| 342 | 20.915 | 20.842 | 20.964 | VV | 26096  | 1759728 | 28.17% | 1.011% |
| 343 | 20.993 | 20.964 | 21.033 | VV | 24019  | 871943  | 13.96% | 0.501% |
| 344 | 21.048 | 21.033 | 21.060 | VV | 20514  | 316951  | 5.07%  | 0.182% |
| 345 | 21.096 | 21.060 | 21.160 | VV | 24995  | 1263835 | 20.23% | 0.726% |
| 346 | 21.179 | 21.160 | 21.222 | VV | 19504  | 648616  | 10.38% | 0.373% |
| 347 | 21.270 | 21.222 | 21.292 | VV | 22724  | 842533  | 13.49% | 0.484% |
| 348 | 21.304 | 21.292 | 21.328 | VV | 18121  | 360213  | 5.77%  | 0.207% |
| 349 | 21.342 | 21.328 | 21.411 | VV | 15607  | 660441  | 10.57% | 0.379% |
| 350 | 21.429 | 21.411 | 21.537 | VV | 13837  | 875756  | 14.02% | 0.503% |
| 351 | 21.568 | 21.537 | 21.618 | VV | 12480  | 369096  | 5.91%  | 0.212% |

|     |        |        |        |    |        |        |       |        |  |
|-----|--------|--------|--------|----|--------|--------|-------|--------|--|
|     |        |        |        |    | rteres |        |       |        |  |
| 352 | 21.653 | 21.618 | 21.673 | VV | 9355   | 198507 | 3.18% | 0.114% |  |
| 353 | 21.704 | 21.673 | 21.730 | VV | 10197  | 228770 | 3.66% | 0.131% |  |
| 354 | 21.752 | 21.730 | 21.767 | VV | 5409   | 95703  | 1.53% | 0.055% |  |
| 355 | 21.791 | 21.767 | 21.817 | VV | 5174   | 92050  | 1.47% | 0.053% |  |

Sum of corrected areas: 174037798

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