

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE033123AL\  
 Data File : FE041103.D  
 Signal(s) : FID1B.ch  
 Acq On : 31 Mar 2023 14:51  
 Sample : 02133-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 032523.M  
 Title : GC Extractables

Signal : FID1B.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         | 3.260       | 3.204        | 3.281      | BV       | 2375           | 41625        | 0.14%          | 0.009%        |
| 2         | 3.290       | 3.281        | 3.333      | VV       | 573            | 7133         | 0.02%          | 0.001%        |
| 3         | 3.389       | 3.333        | 3.404      | PV       | 1268           | 18040        | 0.06%          | 0.004%        |
| 4         | 3.418       | 3.404        | 3.440      | VV       | 1149           | 13896        | 0.05%          | 0.003%        |
| 5         | 3.458       | 3.440        | 3.478      | VV       | 991            | 14896        | 0.05%          | 0.003%        |
| 6         | 3.488       | 3.478        | 3.513      | VV       | 1025           | 12724        | 0.04%          | 0.003%        |
| 7         | 3.527       | 3.513        | 3.540      | VV       | 767            | 6743         | 0.02%          | 0.001%        |
| 8         | 3.560       | 3.540        | 3.601      | VV       | 2609           | 41926        | 0.14%          | 0.009%        |
| 9         | 3.640       | 3.601        | 3.671      | VV       | 1189           | 27432        | 0.09%          | 0.006%        |
| 10        | 3.692       | 3.671        | 3.736      | VV       | 3823           | 66326        | 0.23%          | 0.014%        |
| 11        | 3.775       | 3.736        | 3.806      | VV       | 3057           | 53893        | 0.18%          | 0.011%        |
| 12        | 3.828       | 3.806        | 3.858      | VV       | 1084           | 21654        | 0.07%          | 0.005%        |
| 13        | 3.876       | 3.858        | 3.905      | VV       | 5978           | 63631        | 0.22%          | 0.013%        |
| 14        | 3.937       | 3.905        | 3.989      | VV       | 2185           | 54506        | 0.19%          | 0.011%        |
| 15        | 4.015       | 3.989        | 4.023      | VV       | 1067           | 12569        | 0.04%          | 0.003%        |
| 16        | 4.038       | 4.023        | 4.049      | VV       | 2146           | 24490        | 0.08%          | 0.005%        |
| 17        | 4.062       | 4.049        | 4.088      | VV       | 1968           | 35384        | 0.12%          | 0.007%        |
| 18        | 4.105       | 4.088        | 4.124      | VV       | 1368           | 24609        | 0.08%          | 0.005%        |
| 19        | 4.143       | 4.124        | 4.168      | VV       | 1914           | 33144        | 0.11%          | 0.007%        |
| 20        | 4.184       | 4.168        | 4.197      | VV       | 1091           | 12501        | 0.04%          | 0.003%        |
| 21        | 4.234       | 4.197        | 4.250      | VV       | 2002           | 42066        | 0.14%          | 0.009%        |
| 22        | 4.267       | 4.250        | 4.286      | VV       | 2199           | 33203        | 0.11%          | 0.007%        |
| 23        | 4.310       | 4.286        | 4.348      | VV       | 1895           | 35171        | 0.12%          | 0.007%        |
| 24        | 4.388       | 4.348        | 4.408      | VV       | 1668           | 28119        | 0.10%          | 0.006%        |
| 25        | 4.447       | 4.408        | 4.464      | VV       | 1547           | 33975        | 0.12%          | 0.007%        |
| 26        | 4.498       | 4.464        | 4.521      | VV       | 3614           | 57815        | 0.20%          | 0.012%        |
| 27        | 4.536       | 4.521        | 4.550      | VV       | 1513           | 20780        | 0.07%          | 0.004%        |
| 28        | 4.566       | 4.550        | 4.597      | VV       | 1429           | 27505        | 0.09%          | 0.006%        |
| 29        | 4.620       | 4.597        | 4.637      | VV       | 600            | 11763        | 0.04%          | 0.002%        |
| 30        | 4.675       | 4.637        | 4.688      | VV       | 1491           | 28365        | 0.10%          | 0.006%        |
| 31        | 4.705       | 4.688        | 4.738      | VV       | 2273           | 46814        | 0.16%          | 0.010%        |
| 32        | 4.747       | 4.738        | 4.761      | VV       | 1353           | 14466        | 0.05%          | 0.003%        |
| 33        | 4.779       | 4.761        | 4.816      | VV       | 4090           | 63133        | 0.21%          | 0.013%        |
| 34        | 4.854       | 4.816        | 4.876      | VV       | 1767           | 45444        | 0.15%          | 0.009%        |
| 35        | 4.931       | 4.876        | 4.948      | VV       | 4469           | 79107        | 0.27%          | 0.016%        |
| 36        | 4.958       | 4.948        | 4.980      | VV       | 2131           | 28230        | 0.10%          | 0.006%        |

|    |       |       |       |    | rteres |        |       |        |
|----|-------|-------|-------|----|--------|--------|-------|--------|
| 37 | 5.002 | 4.980 | 5.043 | VV | 3194   | 55783  | 0.19% | 0.012% |
| 38 | 5.079 | 5.043 | 5.096 | VV | 1771   | 30357  | 0.10% | 0.006% |
| 39 | 5.108 | 5.096 | 5.134 | VV | 1115   | 15738  | 0.05% | 0.003% |
| 40 | 5.173 | 5.134 | 5.189 | VV | 2285   | 34162  | 0.12% | 0.007% |
| 41 | 5.204 | 5.189 | 5.228 | VV | 2155   | 30807  | 0.10% | 0.006% |
| 42 | 5.248 | 5.228 | 5.260 | VV | 1979   | 24905  | 0.08% | 0.005% |
| 43 | 5.273 | 5.260 | 5.302 | VV | 2101   | 42407  | 0.14% | 0.009% |
| 44 | 5.315 | 5.302 | 5.350 | VV | 2029   | 32028  | 0.11% | 0.007% |
| 45 | 5.380 | 5.350 | 5.394 | VV | 979    | 16402  | 0.06% | 0.003% |
| 46 | 5.410 | 5.394 | 5.425 | VV | 1319   | 17980  | 0.06% | 0.004% |
| 47 | 5.436 | 5.425 | 5.443 | VV | 1011   | 10045  | 0.03% | 0.002% |
| 48 | 5.468 | 5.443 | 5.482 | VV | 1359   | 28751  | 0.10% | 0.006% |
| 49 | 5.509 | 5.482 | 5.558 | VV | 1791   | 52998  | 0.18% | 0.011% |
| 50 | 5.570 | 5.558 | 5.612 | VV | 870    | 15896  | 0.05% | 0.003% |
| 51 | 5.637 | 5.612 | 5.694 | VV | 6263   | 108195 | 0.37% | 0.023% |
| 52 | 5.706 | 5.694 | 5.736 | VV | 803    | 15215  | 0.05% | 0.003% |
| 53 | 5.759 | 5.736 | 5.772 | VV | 727    | 11802  | 0.04% | 0.002% |
| 54 | 5.810 | 5.772 | 5.826 | VV | 2693   | 39699  | 0.14% | 0.008% |
| 55 | 5.834 | 5.826 | 5.849 | VV | 1518   | 17115  | 0.06% | 0.004% |
| 56 | 5.862 | 5.849 | 5.880 | VV | 1219   | 15815  | 0.05% | 0.003% |
| 57 | 5.894 | 5.880 | 5.910 | VV | 1031   | 12458  | 0.04% | 0.003% |
| 58 | 5.934 | 5.910 | 5.971 | VV | 2728   | 52537  | 0.18% | 0.011% |
| 59 | 5.996 | 5.971 | 6.009 | VV | 1122   | 18227  | 0.06% | 0.004% |
| 60 | 6.022 | 6.009 | 6.050 | VV | 1193   | 22397  | 0.08% | 0.005% |
| 61 | 6.059 | 6.050 | 6.091 | VV | 858    | 10491  | 0.04% | 0.002% |
| 62 | 6.111 | 6.091 | 6.139 | PV | 1296   | 17689  | 0.06% | 0.004% |
| 63 | 6.161 | 6.139 | 6.184 | VV | 1398   | 22773  | 0.08% | 0.005% |
| 64 | 6.223 | 6.184 | 6.238 | VV | 1146   | 24631  | 0.08% | 0.005% |
| 65 | 6.259 | 6.238 | 6.284 | VV | 1338   | 24257  | 0.08% | 0.005% |
| 66 | 6.306 | 6.284 | 6.325 | VV | 1269   | 19167  | 0.07% | 0.004% |
| 67 | 6.348 | 6.325 | 6.359 | VV | 1398   | 19986  | 0.07% | 0.004% |
| 68 | 6.374 | 6.359 | 6.414 | VV | 1676   | 38209  | 0.13% | 0.008% |
| 69 | 6.431 | 6.414 | 6.442 | VV | 1138   | 13982  | 0.05% | 0.003% |
| 70 | 6.454 | 6.442 | 6.468 | VV | 1053   | 13103  | 0.04% | 0.003% |
| 71 | 6.482 | 6.468 | 6.518 | VV | 998    | 19688  | 0.07% | 0.004% |
| 72 | 6.533 | 6.518 | 6.548 | VV | 861    | 13270  | 0.05% | 0.003% |
| 73 | 6.588 | 6.548 | 6.640 | VV | 1267   | 45895  | 0.16% | 0.010% |
| 74 | 6.664 | 6.640 | 6.710 | VV | 4274   | 61948  | 0.21% | 0.013% |
| 75 | 6.747 | 6.710 | 6.767 | VV | 619    | 12269  | 0.04% | 0.003% |
| 76 | 6.784 | 6.767 | 6.796 | VV | 947    | 11069  | 0.04% | 0.002% |
| 77 | 6.815 | 6.796 | 6.834 | VV | 2818   | 36676  | 0.12% | 0.008% |
| 78 | 6.847 | 6.834 | 6.876 | VV | 1726   | 25629  | 0.09% | 0.005% |
| 79 | 6.888 | 6.876 | 6.903 | VV | 604    | 7223   | 0.02% | 0.002% |
| 80 | 6.918 | 6.903 | 6.931 | VV | 626    | 8060   | 0.03% | 0.002% |
| 81 | 6.947 | 6.931 | 6.971 | VV | 1197   | 16407  | 0.06% | 0.003% |
| 82 | 6.987 | 6.971 | 7.008 | VV | 973    | 13090  | 0.04% | 0.003% |
| 83 | 7.023 | 7.008 | 7.039 | VV | 745    | 8386   | 0.03% | 0.002% |
| 84 | 7.069 | 7.039 | 7.101 | VV | 2319   | 37834  | 0.13% | 0.008% |
| 85 | 7.191 | 7.101 | 7.213 | VV | 1700   | 53780  | 0.18% | 0.011% |
| 86 | 7.235 | 7.213 | 7.264 | VV | 1886   | 31061  | 0.11% | 0.006% |
| 87 | 7.282 | 7.264 | 7.293 | VV | 1577   | 19969  | 0.07% | 0.004% |
| 88 | 7.303 | 7.293 | 7.325 | VV | 1473   | 23657  | 0.08% | 0.005% |
| 89 | 7.339 | 7.325 | 7.359 | VV | 1438   | 19126  | 0.07% | 0.004% |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 90  | 7.382  | 7.359  | 7.421  | VV | 3318   | 53804  | 0.18% | 0.011% |
| 91  | 7.445  | 7.421  | 7.464  | VV | 1331   | 20531  | 0.07% | 0.004% |
| 92  | 7.481  | 7.464  | 7.496  | VV | 1120   | 14480  | 0.05% | 0.003% |
| 93  | 7.509  | 7.496  | 7.536  | VV | 678    | 13032  | 0.04% | 0.003% |
| 94  | 7.608  | 7.536  | 7.632  | VV | 7897   | 130901 | 0.45% | 0.027% |
| 95  | 7.648  | 7.632  | 7.674  | VV | 1111   | 22364  | 0.08% | 0.005% |
| 96  | 7.682  | 7.674  | 7.724  | VV | 762    | 17876  | 0.06% | 0.004% |
| 97  | 7.731  | 7.724  | 7.753  | VV | 525    | 7378   | 0.03% | 0.002% |
| 98  | 7.782  | 7.753  | 7.816  | VV | 2465   | 43016  | 0.15% | 0.009% |
| 99  | 7.832  | 7.816  | 7.856  | VV | 816    | 11875  | 0.04% | 0.002% |
| 100 | 8.037  | 8.021  | 8.057  | VV | 3875   | 75955  | 0.26% | 0.016% |
| 101 | 8.067  | 8.057  | 8.114  | VV | 3249   | 90394  | 0.31% | 0.019% |
| 102 | 8.134  | 8.114  | 8.156  | VV | 2522   | 48281  | 0.16% | 0.010% |
| 103 | 8.181  | 8.156  | 8.199  | VV | 2788   | 47277  | 0.16% | 0.010% |
| 104 | 8.217  | 8.199  | 8.228  | VV | 2856   | 37266  | 0.13% | 0.008% |
| 105 | 8.239  | 8.228  | 8.264  | VV | 2908   | 41675  | 0.14% | 0.009% |
| 106 | 8.276  | 8.264  | 8.286  | VV | 1171   | 14230  | 0.05% | 0.003% |
| 107 | 8.307  | 8.286  | 8.334  | VV | 3776   | 58321  | 0.20% | 0.012% |
| 108 | 8.354  | 8.334  | 8.375  | VV | 1336   | 27858  | 0.09% | 0.006% |
| 109 | 8.396  | 8.375  | 8.408  | VV | 1897   | 27220  | 0.09% | 0.006% |
| 110 | 8.422  | 8.408  | 8.438  | VV | 1621   | 26275  | 0.09% | 0.005% |
| 111 | 8.489  | 8.438  | 8.518  | VV | 9610   | 164863 | 0.56% | 0.034% |
| 112 | 8.532  | 8.518  | 8.558  | VV | 1681   | 31195  | 0.11% | 0.007% |
| 113 | 8.589  | 8.558  | 8.617  | VV | 1371   | 38854  | 0.13% | 0.008% |
| 114 | 8.641  | 8.617  | 8.662  | VV | 2299   | 38761  | 0.13% | 0.008% |
| 115 | 8.673  | 8.662  | 8.688  | VV | 1083   | 14158  | 0.05% | 0.003% |
| 116 | 8.708  | 8.688  | 8.754  | VV | 1693   | 36100  | 0.12% | 0.008% |
| 117 | 8.937  | 8.924  | 8.962  | VV | 4476   | 82796  | 0.28% | 0.017% |
| 118 | 8.979  | 8.962  | 8.995  | VV | 3234   | 56954  | 0.19% | 0.012% |
| 119 | 9.027  | 8.995  | 9.059  | VV | 5869   | 120781 | 0.41% | 0.025% |
| 120 | 9.079  | 9.059  | 9.120  | VV | 2234   | 56526  | 0.19% | 0.012% |
| 121 | 9.149  | 9.120  | 9.160  | VV | 1453   | 28958  | 0.10% | 0.006% |
| 122 | 9.174  | 9.160  | 9.194  | VV | 1561   | 26262  | 0.09% | 0.005% |
| 123 | 9.243  | 9.194  | 9.289  | VV | 1845   | 70528  | 0.24% | 0.015% |
| 124 | 9.315  | 9.289  | 9.346  | VV | 10205  | 138165 | 0.47% | 0.029% |
| 125 | 9.355  | 9.346  | 9.380  | VV | 1293   | 23234  | 0.08% | 0.005% |
| 126 | 9.399  | 9.380  | 9.424  | VV | 1354   | 24504  | 0.08% | 0.005% |
| 127 | 9.462  | 9.424  | 9.485  | VV | 745    | 21277  | 0.07% | 0.004% |
| 128 | 9.512  | 9.485  | 9.529  | VV | 952    | 16126  | 0.05% | 0.003% |
| 129 | 9.545  | 9.529  | 9.577  | VV | 833    | 14953  | 0.05% | 0.003% |
| 130 | 9.601  | 9.577  | 9.631  | VV | 811    | 19807  | 0.07% | 0.004% |
| 131 | 9.647  | 9.631  | 9.660  | VV | 614    | 8126   | 0.03% | 0.002% |
| 132 | 9.692  | 9.660  | 9.723  | VV | 2406   | 49375  | 0.17% | 0.010% |
| 133 | 9.733  | 9.723  | 9.744  | VV | 1012   | 12235  | 0.04% | 0.003% |
| 134 | 9.771  | 9.744  | 9.801  | VV | 1969   | 41960  | 0.14% | 0.009% |
| 135 | 9.820  | 9.801  | 9.838  | VV | 1432   | 21601  | 0.07% | 0.005% |
| 136 | 9.873  | 9.838  | 9.898  | VV | 1551   | 29247  | 0.10% | 0.006% |
| 137 | 9.923  | 9.898  | 9.949  | VV | 521    | 9663   | 0.03% | 0.002% |
| 138 | 9.976  | 9.949  | 10.029 | VV | 12614  | 245035 | 0.83% | 0.051% |
| 139 | 10.044 | 10.029 | 10.072 | VV | 2899   | 66361  | 0.23% | 0.014% |
| 140 | 10.094 | 10.072 | 10.157 | VV | 11149  | 175630 | 0.60% | 0.037% |
| 141 | 10.166 | 10.157 | 10.185 | VV | 927    | 13805  | 0.05% | 0.003% |

|     |        |        |        |    | rteres  |          |         |        |
|-----|--------|--------|--------|----|---------|----------|---------|--------|
| 142 | 10.198 | 10.185 | 10.241 | VV | 853     | 17949    | 0.06%   | 0.004% |
| 143 | 10.265 | 10.241 | 10.350 | VV | 548     | 17950    | 0.06%   | 0.004% |
| 144 | 10.367 | 10.350 | 10.395 | PV | 364     | 4835     | 0.02%   | 0.001% |
| 145 | 10.440 | 10.395 | 10.455 | PV | 1449    | 22457    | 0.08%   | 0.005% |
| 146 | 10.481 | 10.455 | 10.508 | VV | 4442    | 72114    | 0.25%   | 0.015% |
| 147 | 10.533 | 10.508 | 10.552 | VV | 1123    | 23607    | 0.08%   | 0.005% |
| 148 | 10.571 | 10.552 | 10.598 | VV | 1579    | 25216    | 0.09%   | 0.005% |
| 149 | 10.626 | 10.598 | 10.654 | VV | 1822    | 26076    | 0.09%   | 0.005% |
| 150 | 10.682 | 10.654 | 10.704 | PV | 378     | 6958     | 0.02%   | 0.001% |
| 151 | 10.762 | 10.704 | 10.779 | VV | 975     | 28077    | 0.10%   | 0.006% |
| 152 | 10.833 | 10.779 | 10.867 | VV | 9908    | 141632   | 0.48%   | 0.030% |
| 153 | 10.902 | 10.867 | 11.007 | VV | 5461    | 127731   | 0.43%   | 0.027% |
| 154 | 11.054 | 11.007 | 11.097 | PV | 971     | 21112    | 0.07%   | 0.004% |
| 155 | 11.153 | 11.097 | 11.192 | VV | 1360    | 45715    | 0.16%   | 0.010% |
| 156 | 11.224 | 11.192 | 11.271 | VV | 1615    | 39913    | 0.14%   | 0.008% |
| 157 | 11.287 | 11.271 | 11.323 | VV | 894     | 15801    | 0.05%   | 0.003% |
| 158 | 11.340 | 11.323 | 11.364 | VV | 814     | 10041    | 0.03%   | 0.002% |
| 159 | 11.389 | 11.364 | 11.431 | VV | 591     | 12020    | 0.04%   | 0.003% |
| 160 | 11.466 | 11.431 | 11.493 | VV | 1452    | 25066    | 0.09%   | 0.005% |
| 161 | 11.536 | 11.493 | 11.568 | VV | 8730    | 121780   | 0.41%   | 0.025% |
| 162 | 11.587 | 11.568 | 11.598 | VV | 995     | 15364    | 0.05%   | 0.003% |
| 163 | 11.626 | 11.598 | 11.681 | VV | 4177    | 74159    | 0.25%   | 0.015% |
| 164 | 11.693 | 11.681 | 11.708 | VV | 582     | 5356     | 0.02%   | 0.001% |
| 165 | 11.728 | 11.708 | 11.755 | PV | 622     | 8203     | 0.03%   | 0.002% |
| 166 | 11.777 | 11.755 | 11.800 | VV | 740     | 11888    | 0.04%   | 0.002% |
| 167 | 11.852 | 11.800 | 11.911 | VV | 503512  | 5407229  | 18.39%  | 1.128% |
| 168 | 11.930 | 11.911 | 11.957 | VV | 1984    | 37204    | 0.13%   | 0.008% |
| 169 | 11.972 | 11.957 | 11.981 | VV | 1030    | 11703    | 0.04%   | 0.002% |
| 170 | 12.020 | 11.981 | 12.043 | VV | 1695    | 40998    | 0.14%   | 0.009% |
| 171 | 12.062 | 12.043 | 12.072 | VV | 908     | 13786    | 0.05%   | 0.003% |
| 172 | 12.097 | 12.072 | 12.122 | VV | 3720    | 56571    | 0.19%   | 0.012% |
| 173 | 12.141 | 12.122 | 12.159 | VV | 1079    | 17167    | 0.06%   | 0.004% |
| 174 | 12.206 | 12.159 | 12.228 | VV | 7914    | 122716   | 0.42%   | 0.026% |
| 175 | 12.261 | 12.228 | 12.378 | VV | 380740  | 4423752  | 15.04%  | 0.922% |
| 176 | 12.460 | 12.378 | 12.503 | PV | 7679    | 182484   | 0.62%   | 0.038% |
| 177 | 12.530 | 12.503 | 12.554 | VV | 6335    | 85493    | 0.29%   | 0.018% |
| 178 | 12.596 | 12.554 | 12.637 | VV | 2053    | 61767    | 0.21%   | 0.013% |
| 179 | 12.683 | 12.637 | 12.713 | VV | 4680    | 87289    | 0.30%   | 0.018% |
| 180 | 12.729 | 12.713 | 12.752 | VV | 2173    | 29698    | 0.10%   | 0.006% |
| 181 | 12.802 | 12.752 | 12.824 | VV | 1821    | 49780    | 0.17%   | 0.010% |
| 182 | 12.846 | 12.824 | 12.882 | VV | 7879    | 124318   | 0.42%   | 0.026% |
| 183 | 12.902 | 12.882 | 12.918 | VV | 4301    | 61608    | 0.21%   | 0.013% |
| 184 | 12.927 | 12.918 | 12.979 | VV | 2820    | 65042    | 0.22%   | 0.014% |
| 185 | 12.992 | 12.979 | 13.011 | VV | 757     | 8694     | 0.03%   | 0.002% |
| 186 | 13.041 | 13.011 | 13.068 | VV | 737     | 12775    | 0.04%   | 0.003% |
| 187 | 13.105 | 13.068 | 13.124 | VV | 1104    | 20837    | 0.07%   | 0.004% |
| 188 | 13.136 | 13.124 | 13.188 | VV | 1427    | 28687    | 0.10%   | 0.006% |
| 189 | 13.226 | 13.188 | 13.243 | PV | 3565    | 59586    | 0.20%   | 0.012% |
| 190 | 13.292 | 13.243 | 13.322 | VV | 1686366 | 29405946 | 100.00% | 6.132% |
| 191 | 13.341 | 13.322 | 13.362 | VV | 796956  | 9109970  | 30.98%  | 1.900% |
| 192 | 13.370 | 13.362 | 13.418 | VV | 64376   | 763720   | 2.60%   | 0.159% |
| 193 | 13.431 | 13.418 | 13.441 | VV | 3096    | 34845    | 0.12%   | 0.007% |
| 194 | 13.460 | 13.441 | 13.481 | VV | 7015    | 100365   | 0.34%   | 0.021% |

|     |        |        |        |    |        |         |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
|     |        |        |        |    | rteres |         |       |        |
| 195 | 13.514 | 13.481 | 13.571 | VV | 151460 | 1881602 | 6.40% | 0.392% |
| 196 | 13.581 | 13.571 | 13.594 | VV | 2047   | 24072   | 0.08% | 0.005% |
| 197 | 13.611 | 13.594 | 13.631 | VV | 1450   | 24016   | 0.08% | 0.005% |
| 198 | 13.652 | 13.631 | 13.706 | VV | 6074   | 132411  | 0.45% | 0.028% |
| 199 | 13.725 | 13.706 | 13.747 | VV | 1594   | 23771   | 0.08% | 0.005% |
| 200 | 13.760 | 13.747 | 13.778 | VV | 497    | 6495    | 0.02% | 0.001% |
| 201 | 13.813 | 13.778 | 13.830 | PV | 2406   | 34579   | 0.12% | 0.007% |
| 202 | 13.847 | 13.830 | 13.868 | VV | 2011   | 28548   | 0.10% | 0.006% |
| 203 | 13.873 | 13.868 | 13.896 | VV | 672    | 9093    | 0.03% | 0.002% |
| 204 | 13.997 | 13.896 | 14.021 | PV | 2891   | 85445   | 0.29% | 0.018% |
| 205 | 14.044 | 14.021 | 14.073 | VV | 9370   | 149965  | 0.51% | 0.031% |
| 206 | 14.089 | 14.073 | 14.119 | VV | 4075   | 72169   | 0.25% | 0.015% |
| 207 | 14.162 | 14.119 | 14.234 | VV | 2664   | 88320   | 0.30% | 0.018% |
| 208 | 14.263 | 14.234 | 14.298 | PV | 2616   | 64832   | 0.22% | 0.014% |
| 209 | 14.353 | 14.298 | 14.374 | VV | 3205   | 76167   | 0.26% | 0.016% |
| 210 | 14.455 | 14.374 | 14.470 | VV | 4932   | 109168  | 0.37% | 0.023% |
| 211 | 14.499 | 14.470 | 14.521 | VV | 7254   | 123934  | 0.42% | 0.026% |
| 212 | 14.548 | 14.521 | 14.584 | VV | 5324   | 94164   | 0.32% | 0.020% |
| 213 | 14.609 | 14.584 | 14.632 | PV | 6355   | 84680   | 0.29% | 0.018% |
| 214 | 14.666 | 14.632 | 14.710 | VV | 15228  | 247984  | 0.84% | 0.052% |
| 215 | 14.732 | 14.710 | 14.769 | VV | 2154   | 50163   | 0.17% | 0.010% |
| 216 | 14.790 | 14.769 | 14.805 | VV | 1786   | 26495   | 0.09% | 0.006% |
| 217 | 14.823 | 14.805 | 14.838 | VV | 1528   | 20648   | 0.07% | 0.004% |
| 218 | 14.860 | 14.838 | 14.881 | VV | 3167   | 53034   | 0.18% | 0.011% |
| 219 | 14.903 | 14.881 | 14.940 | VV | 3137   | 72077   | 0.25% | 0.015% |
| 220 | 14.958 | 14.940 | 14.973 | VV | 3393   | 49705   | 0.17% | 0.010% |
| 221 | 15.074 | 14.973 | 15.093 | VV | 6324   | 289798  | 0.99% | 0.060% |
| 222 | 15.105 | 15.093 | 15.128 | VV | 4804   | 91467   | 0.31% | 0.019% |
| 223 | 15.150 | 15.128 | 15.176 | VV | 10962  | 215835  | 0.73% | 0.045% |
| 224 | 15.203 | 15.176 | 15.212 | VV | 5993   | 121091  | 0.41% | 0.025% |
| 225 | 15.237 | 15.212 | 15.263 | VV | 6980   | 170756  | 0.58% | 0.036% |
| 226 | 15.280 | 15.263 | 15.308 | VV | 6131   | 134680  | 0.46% | 0.028% |
| 227 | 15.319 | 15.308 | 15.380 | VV | 5164   | 163601  | 0.56% | 0.034% |
| 228 | 15.401 | 15.380 | 15.414 | VV | 3386   | 59660   | 0.20% | 0.012% |
| 229 | 15.463 | 15.414 | 15.513 | VV | 3696   | 169286  | 0.58% | 0.035% |
| 230 | 15.561 | 15.513 | 15.638 | VV | 14508  | 476143  | 1.62% | 0.099% |
| 231 | 15.670 | 15.638 | 15.704 | VV | 7723   | 147365  | 0.50% | 0.031% |
| 232 | 15.731 | 15.704 | 15.762 | VV | 14867  | 225089  | 0.77% | 0.047% |
| 233 | 15.796 | 15.762 | 15.822 | VV | 6035   | 130073  | 0.44% | 0.027% |
| 234 | 15.832 | 15.822 | 15.838 | VV | 2345   | 17166   | 0.06% | 0.004% |
| 235 | 15.883 | 15.838 | 15.900 | VV | 4462   | 100282  | 0.34% | 0.021% |
| 236 | 15.930 | 15.900 | 15.952 | VV | 5407   | 125837  | 0.43% | 0.026% |
| 237 | 16.084 | 15.952 | 16.094 | VV | 8205   | 451176  | 1.53% | 0.094% |
| 238 | 16.131 | 16.094 | 16.144 | VV | 8969   | 231027  | 0.79% | 0.048% |
| 239 | 16.172 | 16.144 | 16.193 | VV | 14755  | 334919  | 1.14% | 0.070% |
| 240 | 16.232 | 16.193 | 16.324 | VV | 12834  | 818084  | 2.78% | 0.171% |
| 241 | 16.359 | 16.324 | 16.404 | VV | 15823  | 616657  | 2.10% | 0.129% |
| 242 | 16.459 | 16.404 | 16.509 | VV | 18978  | 985671  | 3.35% | 0.206% |
| 243 | 16.533 | 16.509 | 16.540 | VV | 16059  | 292980  | 1.00% | 0.061% |
| 244 | 16.575 | 16.540 | 16.608 | VV | 22667  | 769941  | 2.62% | 0.161% |
| 245 | 16.622 | 16.608 | 16.631 | VV | 19186  | 260304  | 0.89% | 0.054% |
| 246 | 16.660 | 16.631 | 16.690 | VV | 27698  | 798003  | 2.71% | 0.166% |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 247    | 16.724 | 16.690 | 16.738 | VV | 25836  | 665801   | 2.26%  | 0.139% |
| 248    | 16.747 | 16.738 | 16.757 | VV | 26520  | 294971   | 1.00%  | 0.062% |
| 249    | 16.792 | 16.757 | 16.801 | VV | 29959  | 717843   | 2.44%  | 0.150% |
| 250    | 16.810 | 16.801 | 16.833 | VV | 29656  | 546071   | 1.86%  | 0.114% |
|        |        |        |        |    |        |          |        |        |
| 251    | 16.861 | 16.833 | 16.901 | VV | 32188  | 1178585  | 4.01%  | 0.246% |
| 252    | 16.915 | 16.901 | 16.943 | VV | 30154  | 726066   | 2.47%  | 0.151% |
| 253    | 16.963 | 16.943 | 16.977 | VV | 32738  | 633407   | 2.15%  | 0.132% |
| 254    | 17.001 | 16.977 | 17.040 | VV | 34226  | 1202042  | 4.09%  | 0.251% |
| 255    | 17.135 | 17.040 | 17.156 | VV | 50054  | 2762368  | 9.39%  | 0.576% |
|        |        |        |        |    |        |          |        |        |
| 256    | 17.172 | 17.156 | 17.211 | VV | 52876  | 1492667  | 5.08%  | 0.311% |
| 257    | 17.217 | 17.211 | 17.241 | VV | 41739  | 722220   | 2.46%  | 0.151% |
| 258    | 17.302 | 17.241 | 17.337 | VV | 49416  | 2609022  | 8.87%  | 0.544% |
| 259    | 17.360 | 17.337 | 17.391 | VV | 53773  | 1614635  | 5.49%  | 0.337% |
| 260    | 17.436 | 17.391 | 17.476 | VV | 58907  | 2723136  | 9.26%  | 0.568% |
|        |        |        |        |    |        |          |        |        |
| 261    | 17.534 | 17.476 | 17.561 | VV | 65367  | 2985595  | 10.15% | 0.623% |
| 262    | 17.579 | 17.561 | 17.594 | VV | 64344  | 1218336  | 4.14%  | 0.254% |
| 263    | 17.609 | 17.594 | 17.628 | VV | 61938  | 1196572  | 4.07%  | 0.250% |
| 264    | 17.642 | 17.628 | 17.658 | VV | 64644  | 1123023  | 3.82%  | 0.234% |
| 265    | 17.682 | 17.658 | 17.714 | VV | 68701  | 2114731  | 7.19%  | 0.441% |
|        |        |        |        |    |        |          |        |        |
| 266    | 17.751 | 17.714 | 17.806 | VV | 68198  | 3465920  | 11.79% | 0.723% |
| 267    | 17.814 | 17.806 | 17.821 | VV | 62030  | 548987   | 1.87%  | 0.114% |
| 268    | 17.847 | 17.821 | 17.877 | VV | 70308  | 2214241  | 7.53%  | 0.462% |
| 269    | 17.910 | 17.877 | 17.946 | VV | 75930  | 2941151  | 10.00% | 0.613% |
| 270    | 17.981 | 17.946 | 17.993 | VV | 84753  | 2186410  | 7.44%  | 0.456% |
|        |        |        |        |    |        |          |        |        |
| 271    | 18.012 | 17.993 | 18.040 | VV | 95535  | 2360647  | 8.03%  | 0.492% |
| 272    | 18.052 | 18.040 | 18.075 | VV | 75050  | 1526571  | 5.19%  | 0.318% |
| 273    | 18.152 | 18.075 | 18.194 | VV | 111120 | 5992363  | 20.38% | 1.250% |
| 274    | 18.203 | 18.194 | 18.231 | VV | 85042  | 1776122  | 6.04%  | 0.370% |
| 275    | 18.256 | 18.231 | 18.270 | VV | 79795  | 1808777  | 6.15%  | 0.377% |
|        |        |        |        |    |        |          |        |        |
| 276    | 18.292 | 18.270 | 18.300 | VV | 82640  | 1436901  | 4.89%  | 0.300% |
| 277    | 18.354 | 18.300 | 18.379 | VV | 92837  | 4158772  | 14.14% | 0.867% |
| 278    | 18.402 | 18.379 | 18.421 | VV | 95334  | 2310945  | 7.86%  | 0.482% |
| 279    | 18.438 | 18.421 | 18.454 | VV | 96429  | 1864257  | 6.34%  | 0.389% |
| 280    | 18.521 | 18.454 | 18.544 | VV | 123633 | 5312961  | 18.07% | 1.108% |
|        |        |        |        |    |        |          |        |        |
| 281    | 18.560 | 18.544 | 18.577 | VV | 98458  | 1941062  | 6.60%  | 0.405% |
| 282    | 18.603 | 18.577 | 18.617 | VV | 99401  | 2310890  | 7.86%  | 0.482% |
| 283    | 18.638 | 18.617 | 18.651 | VV | 99669  | 1934019  | 6.58%  | 0.403% |
| 284    | 18.674 | 18.651 | 18.695 | VV | 100273 | 2632784  | 8.95%  | 0.549% |
| 285    | 18.730 | 18.695 | 18.781 | VV | 102266 | 5191742  | 17.66% | 1.083% |
|        |        |        |        |    |        |          |        |        |
| 286    | 18.799 | 18.781 | 18.808 | VV | 105303 | 1606776  | 5.46%  | 0.335% |
| 287    | 18.847 | 18.808 | 18.877 | VV | 113514 | 4572878  | 15.55% | 0.954% |
| 288    | 18.889 | 18.877 | 18.901 | VV | 106846 | 1471875  | 5.01%  | 0.307% |
| 289    | 18.946 | 18.901 | 18.971 | VV | 136151 | 4929673  | 16.76% | 1.028% |
| 290    | 18.992 | 18.971 | 19.035 | VV | 132293 | 4745011  | 16.14% | 0.989% |
|        |        |        |        |    |        |          |        |        |
| 291    | 19.052 | 19.035 | 19.061 | VV | 120249 | 1800984  | 6.12%  | 0.376% |
| 292    | 19.081 | 19.061 | 19.098 | VV | 121888 | 2705958  | 9.20%  | 0.564% |
| 293    | 19.123 | 19.098 | 19.172 | VV | 128816 | 5443687  | 18.51% | 1.135% |
| 294    | 19.279 | 19.172 | 19.318 | VV | 146299 | 11585198 | 39.40% | 2.416% |
| 295    | 19.340 | 19.318 | 19.425 | VV | 144816 | 8762372  | 29.80% | 1.827% |
|        |        |        |        |    |        |          |        |        |
| 296    | 19.433 | 19.425 | 19.450 | VV | 134795 | 1939047  | 6.59%  | 0.404% |
| 297    | 19.478 | 19.450 | 19.497 | VV | 137733 | 3810732  | 12.96% | 0.795% |
| 298    | 19.557 | 19.497 | 19.582 | VV | 142171 | 7051149  | 23.98% | 1.470% |
| 299    | 19.599 | 19.582 | 19.606 | VV | 144297 | 2051436  | 6.98%  | 0.428% |

|     |        |        |        |     |        |          |        |        |
|-----|--------|--------|--------|-----|--------|----------|--------|--------|
|     |        |        |        |     | rteres |          |        |        |
| 300 | 19.636 | 19.606 | 19.692 | VV  | 154837 | 7645306  | 26.00% | 1.594% |
| 301 | 19.748 | 19.692 | 19.774 | VV  | 162113 | 7452500  | 25.34% | 1.554% |
| 302 | 19.787 | 19.774 | 19.797 | VV  | 152226 | 2086969  | 7.10%  | 0.435% |
| 303 | 19.841 | 19.797 | 19.850 | VV  | 158406 | 4756095  | 16.17% | 0.992% |
| 304 | 19.898 | 19.850 | 19.917 | VV  | 164320 | 6510420  | 22.14% | 1.358% |
| 305 | 19.928 | 19.917 | 19.938 | VV  | 166102 | 2049329  | 6.97%  | 0.427% |
| 306 | 19.978 | 19.938 | 19.991 | VV  | 178271 | 5358265  | 18.22% | 1.117% |
| 307 | 20.005 | 19.991 | 20.035 | VV  | 176258 | 4526219  | 15.39% | 0.944% |
| 308 | 20.053 | 20.035 | 20.074 | VV  | 176559 | 4042910  | 13.75% | 0.843% |
| 309 | 20.145 | 20.074 | 20.158 | VV  | 185440 | 8717782  | 29.65% | 1.818% |
| 310 | 20.170 | 20.158 | 20.210 | VV  | 192500 | 5806845  | 19.75% | 1.211% |
| 311 | 20.219 | 20.210 | 20.233 | VV  | 185552 | 2521438  | 8.57%  | 0.526% |
| 312 | 20.278 | 20.233 | 20.311 | VV  | 197029 | 8831233  | 30.03% | 1.842% |
| 313 | 20.318 | 20.311 | 20.345 | VV  | 193213 | 3844125  | 13.07% | 0.802% |
| 314 | 20.378 | 20.345 | 20.401 | VV  | 209490 | 6714844  | 22.83% | 1.400% |
| 315 | 20.447 | 20.401 | 20.501 | VV  | 214654 | 12131690 | 41.26% | 2.530% |
| 316 | 20.511 | 20.501 | 20.528 | VV  | 202369 | 3211163  | 10.92% | 0.670% |
| 317 | 20.542 | 20.528 | 20.556 | VV  | 204219 | 3457812  | 11.76% | 0.721% |
| 318 | 20.597 | 20.556 | 20.607 | VV  | 211823 | 6216812  | 21.14% | 1.296% |
| 319 | 20.676 | 20.607 | 20.691 | VV  | 219169 | 10692128 | 36.36% | 2.230% |
| 320 | 20.730 | 20.691 | 20.756 | VV  | 221221 | 8359787  | 28.43% | 1.743% |
| 321 | 20.768 | 20.756 | 20.798 | VV  | 209834 | 5144319  | 17.49% | 1.073% |
| 322 | 20.803 | 20.798 | 20.818 | VV  | 199960 | 2359957  | 8.03%  | 0.492% |
| 323 | 20.856 | 20.818 | 20.869 | VV  | 212708 | 6447664  | 21.93% | 1.345% |
| 324 | 20.889 | 20.869 | 20.900 | VV  | 212880 | 3909593  | 13.30% | 0.815% |
| 325 | 20.912 | 20.900 | 21.064 | VV  | 217582 | 19647324 | 66.81% | 4.097% |
| 326 | 21.115 | 21.064 | 21.138 | VV  | 206745 | 8708747  | 29.62% | 1.816% |
| 327 | 21.148 | 21.138 | 21.164 | VV  | 200097 | 3040016  | 10.34% | 0.634% |
| 328 | 21.183 | 21.164 | 21.268 | VV  | 199209 | 11765899 | 40.01% | 2.453% |
| 329 | 21.292 | 21.268 | 21.303 | VV  | 178060 | 3730046  | 12.68% | 0.778% |
| 330 | 21.324 | 21.303 | 21.334 | VV  | 180509 | 3293121  | 11.20% | 0.687% |
| 331 | 21.349 | 21.334 | 21.379 | VV  | 180829 | 4836902  | 16.45% | 1.009% |
| 332 | 21.390 | 21.379 | 21.401 | VV  | 181845 | 2301553  | 7.83%  | 0.480% |
| 333 | 21.426 | 21.401 | 21.461 | VV  | 182928 | 6415241  | 21.82% | 1.338% |
| 334 | 21.531 | 21.461 | 21.586 | VV  | 184617 | 12868066 | 43.76% | 2.683% |
| 335 | 21.594 | 21.586 | 21.640 | VV  | 154214 | 4902471  | 16.67% | 1.022% |
| 336 | 21.654 | 21.640 | 21.674 | VV  | 152489 | 3034155  | 10.32% | 0.633% |
| 337 | 21.689 | 21.674 | 21.697 | VV  | 150120 | 2000471  | 6.80%  | 0.417% |
| 338 | 21.713 | 21.697 | 21.727 | VV  | 155432 | 2806764  | 9.54%  | 0.585% |
| 339 | 21.760 | 21.727 | 21.808 | VV  | 159524 | 7476889  | 25.43% | 1.559% |
| 340 | 21.811 | 21.808 | 21.819 | VV  | 153388 | 997526   | 3.39%  | 0.208% |
| 341 | 21.825 | 21.819 | 21.842 | VV  | 151656 | 2047097  | 6.96%  | 0.427% |
| 342 | 21.857 | 21.842 | 21.968 | VV  | 153439 | 10738559 | 36.52% | 2.239% |
| 343 | 21.987 | 21.968 | 22.067 | VV  | 137757 | 7920838  | 26.94% | 1.652% |
| 344 | 22.082 | 22.067 | 22.090 | VV  | 134327 | 1854976  | 6.31%  | 0.387% |
| 345 | 22.121 | 22.090 | 22.151 | VBA | 136549 | 5179327  | 17.61% | 1.080% |

Sum of corrected areas: 479558037

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