

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD052621AL\  
 Data File : FD037593.D  
 Signal(s) : FID2B.CH  
 Acq On : 26 May 2021 18:35  
 Sample : M2521-02  
 Misc :  
 ALS Vial : 57 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Alaphatic EPH 051321.M  
 Title : GC Extractables

Signal : FID2B.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       | 3.205        | 3.293      | BV       | 10311          | 107022       | 0.24%          | 0.008%        |
| 2         | 3.302       | 3.293        | 3.339      | VV       | 767            | 8838         | 0.02%          | 0.001%        |
| 3         | 3.357       | 3.339        | 3.368      | PV       | 710            | 6199         | 0.01%          | 0.000%        |
| 4         | 3.382       | 3.368        | 3.394      | VV       | 1585           | 15004        | 0.03%          | 0.001%        |
| 5         | 3.404       | 3.394        | 3.423      | VV       | 1351           | 13659        | 0.03%          | 0.001%        |
| 6         | 3.460       | 3.423        | 3.488      | VV       | 2108           | 34550        | 0.08%          | 0.003%        |
| 7         | 3.523       | 3.488        | 3.557      | VV       | 5268           | 77022        | 0.17%          | 0.006%        |
| 8         | 3.586       | 3.557        | 3.607      | PV       | 2104           | 33339        | 0.08%          | 0.002%        |
| 9         | 3.631       | 3.607        | 3.653      | VV       | 6845           | 84352        | 0.19%          | 0.006%        |
| 10        | 3.661       | 3.653        | 3.675      | VV       | 2376           | 24025        | 0.05%          | 0.002%        |
| 11        | 3.701       | 3.675        | 3.733      | VV       | 3872           | 61514        | 0.14%          | 0.004%        |
| 12        | 3.750       | 3.733        | 3.763      | VV       | 6744           | 61557        | 0.14%          | 0.005%        |
| 13        | 3.768       | 3.763        | 3.782      | VV       | 2694           | 19545        | 0.04%          | 0.001%        |
| 14        | 3.796       | 3.782        | 3.813      | VV       | 3962           | 32546        | 0.07%          | 0.002%        |
| 15        | 3.835       | 3.813        | 3.889      | VV       | 10194          | 178177       | 0.40%          | 0.013%        |
| 16        | 3.924       | 3.889        | 3.939      | PV       | 13751          | 154641       | 0.35%          | 0.011%        |
| 17        | 3.952       | 3.939        | 3.971      | VV       | 11172          | 110923       | 0.25%          | 0.008%        |
| 18        | 3.985       | 3.971        | 4.000      | VV       | 4461           | 50955        | 0.12%          | 0.004%        |
| 19        | 4.019       | 4.000        | 4.041      | VV       | 13061          | 128625       | 0.29%          | 0.009%        |
| 20        | 4.086       | 4.041        | 4.115      | VV       | 22002          | 276307       | 0.63%          | 0.020%        |
| 21        | 4.128       | 4.115        | 4.154      | VV       | 7905           | 103642       | 0.23%          | 0.008%        |
| 22        | 4.164       | 4.154        | 4.203      | VV       | 2906           | 44100        | 0.10%          | 0.003%        |
| 23        | 4.236       | 4.203        | 4.256      | PV       | 4824           | 67694        | 0.15%          | 0.005%        |
| 24        | 4.276       | 4.256        | 4.298      | VV       | 5773           | 74436        | 0.17%          | 0.005%        |
| 25        | 4.322       | 4.298        | 4.346      | VV       | 77128          | 698263       | 1.58%          | 0.051%        |
| 26        | 4.363       | 4.346        | 4.378      | VV       | 10981          | 100159       | 0.23%          | 0.007%        |
| 27        | 4.392       | 4.378        | 4.411      | VV       | 5804           | 60320        | 0.14%          | 0.004%        |
| 28        | 4.425       | 4.411        | 4.451      | VV       | 2466           | 32614        | 0.07%          | 0.002%        |
| 29        | 4.481       | 4.451        | 4.502      | VV       | 5458           | 109141       | 0.25%          | 0.008%        |
| 30        | 4.519       | 4.502        | 4.533      | VV       | 7161           | 92320        | 0.21%          | 0.007%        |
| 31        | 4.546       | 4.533        | 4.558      | VV       | 6660           | 75197        | 0.17%          | 0.005%        |
| 32        | 4.575       | 4.558        | 4.590      | VV       | 24349          | 224943       | 0.51%          | 0.016%        |
| 33        | 4.602       | 4.590        | 4.616      | VV       | 15526          | 146470       | 0.33%          | 0.011%        |
| 34        | 4.629       | 4.616        | 4.640      | VV       | 8277           | 97994        | 0.22%          | 0.007%        |
| 35        | 4.651       | 4.640        | 4.665      | VV       | 9475           | 93257        | 0.21%          | 0.007%        |
| 36        | 4.696       | 4.665        | 4.712      | VV       | 17795          | 233172       | 0.53%          | 0.017%        |

| rteres |       |       |       |    |        |         |       |        |
|--------|-------|-------|-------|----|--------|---------|-------|--------|
| 37     | 4.735 | 4.712 | 4.756 | VV | 17550  | 257277  | 0.58% | 0.019% |
| 38     | 4.773 | 4.756 | 4.781 | VV | 14052  | 137476  | 0.31% | 0.010% |
| 39     | 4.790 | 4.781 | 4.819 | VV | 14925  | 163377  | 0.37% | 0.012% |
| 40     | 4.845 | 4.819 | 4.860 | VV | 10540  | 130625  | 0.30% | 0.010% |
| 41     | 4.873 | 4.860 | 4.900 | VV | 7760   | 115166  | 0.26% | 0.008% |
| 42     | 4.929 | 4.900 | 4.943 | PV | 19151  | 198273  | 0.45% | 0.014% |
| 43     | 4.960 | 4.943 | 4.984 | VV | 29760  | 385177  | 0.87% | 0.028% |
| 44     | 4.999 | 4.984 | 5.022 | VV | 27116  | 329760  | 0.75% | 0.024% |
| 45     | 5.036 | 5.022 | 5.046 | VV | 17720  | 166717  | 0.38% | 0.012% |
| 46     | 5.060 | 5.046 | 5.101 | VV | 29371  | 348662  | 0.79% | 0.025% |
| 47     | 5.115 | 5.101 | 5.138 | VV | 3295   | 46816   | 0.11% | 0.003% |
| 48     | 5.157 | 5.138 | 5.186 | VV | 14057  | 228735  | 0.52% | 0.017% |
| 49     | 5.221 | 5.186 | 5.234 | VV | 16188  | 289366  | 0.66% | 0.021% |
| 50     | 5.245 | 5.234 | 5.261 | VV | 16760  | 174548  | 0.40% | 0.013% |
| 51     | 5.276 | 5.261 | 5.293 | VV | 9127   | 140654  | 0.32% | 0.010% |
| 52     | 5.304 | 5.293 | 5.325 | VV | 9216   | 115604  | 0.26% | 0.008% |
| 53     | 5.356 | 5.325 | 5.375 | VV | 207997 | 2022589 | 4.58% | 0.148% |
| 54     | 5.385 | 5.375 | 5.409 | VV | 25703  | 313784  | 0.71% | 0.023% |
| 55     | 5.426 | 5.409 | 5.460 | VV | 6860   | 126632  | 0.29% | 0.009% |
| 56     | 5.478 | 5.460 | 5.488 | VV | 5170   | 69988   | 0.16% | 0.005% |
| 57     | 5.504 | 5.488 | 5.517 | VV | 5783   | 89696   | 0.20% | 0.007% |
| 58     | 5.539 | 5.517 | 5.581 | VV | 28856  | 505141  | 1.14% | 0.037% |
| 59     | 5.603 | 5.581 | 5.616 | VV | 9028   | 137386  | 0.31% | 0.010% |
| 60     | 5.639 | 5.616 | 5.673 | VV | 34219  | 709741  | 1.61% | 0.052% |
| 61     | 5.689 | 5.673 | 5.711 | VV | 20565  | 312044  | 0.71% | 0.023% |
| 62     | 5.725 | 5.711 | 5.742 | VV | 27486  | 284157  | 0.64% | 0.021% |
| 63     | 5.763 | 5.742 | 5.787 | VV | 12795  | 224041  | 0.51% | 0.016% |
| 64     | 5.807 | 5.787 | 5.829 | VV | 17881  | 209832  | 0.48% | 0.015% |
| 65     | 5.857 | 5.829 | 5.877 | VV | 20497  | 330016  | 0.75% | 0.024% |
| 66     | 5.905 | 5.877 | 5.934 | VV | 26536  | 578212  | 1.31% | 0.042% |
| 67     | 5.951 | 5.934 | 5.970 | VV | 25210  | 293455  | 0.66% | 0.021% |
| 68     | 5.994 | 5.970 | 6.016 | VV | 36655  | 443459  | 1.00% | 0.032% |
| 69     | 6.054 | 6.016 | 6.072 | VV | 29411  | 548809  | 1.24% | 0.040% |
| 70     | 6.088 | 6.072 | 6.102 | VV | 11062  | 172603  | 0.39% | 0.013% |
| 71     | 6.118 | 6.102 | 6.131 | VV | 15592  | 201310  | 0.46% | 0.015% |
| 72     | 6.141 | 6.131 | 6.152 | VV | 12934  | 152984  | 0.35% | 0.011% |
| 73     | 6.171 | 6.152 | 6.194 | VV | 17382  | 309401  | 0.70% | 0.023% |
| 74     | 6.214 | 6.194 | 6.232 | VV | 17728  | 268961  | 0.61% | 0.020% |
| 75     | 6.267 | 6.232 | 6.300 | VV | 21607  | 527244  | 1.19% | 0.039% |
| 76     | 6.334 | 6.300 | 6.382 | VV | 205565 | 2315949 | 5.25% | 0.169% |
| 77     | 6.421 | 6.382 | 6.433 | VV | 11426  | 245185  | 0.56% | 0.018% |
| 78     | 6.449 | 6.433 | 6.461 | VV | 13031  | 190160  | 0.43% | 0.014% |
| 79     | 6.482 | 6.461 | 6.504 | VV | 66200  | 775240  | 1.76% | 0.057% |
| 80     | 6.524 | 6.504 | 6.542 | VV | 20803  | 353470  | 0.80% | 0.026% |
| 81     | 6.553 | 6.542 | 6.568 | VV | 15004  | 169532  | 0.38% | 0.012% |
| 82     | 6.609 | 6.568 | 6.629 | VV | 22307  | 422900  | 0.96% | 0.031% |
| 83     | 6.653 | 6.629 | 6.678 | VV | 21729  | 430320  | 0.98% | 0.031% |
| 84     | 6.688 | 6.678 | 6.702 | VV | 14707  | 162582  | 0.37% | 0.012% |
| 85     | 6.730 | 6.702 | 6.758 | VV | 45138  | 662401  | 1.50% | 0.048% |
| 86     | 6.798 | 6.758 | 6.814 | VV | 15639  | 349867  | 0.79% | 0.026% |
| 87     | 6.848 | 6.814 | 6.870 | VV | 30821  | 693423  | 1.57% | 0.051% |
| 88     | 6.890 | 6.870 | 6.913 | VV | 37901  | 522204  | 1.18% | 0.038% |
| 89     | 6.935 | 6.913 | 6.945 | VV | 37719  | 471829  | 1.07% | 0.035% |

| rteres |       |       |       |    |        |         |       |        |
|--------|-------|-------|-------|----|--------|---------|-------|--------|
| 90     | 6.954 | 6.945 | 6.975 | VV | 34236  | 440318  | 1.00% | 0.032% |
| 91     | 6.991 | 6.975 | 7.012 | VV | 31677  | 398813  | 0.90% | 0.029% |
| 92     | 7.033 | 7.012 | 7.070 | VV | 59956  | 883199  | 2.00% | 0.065% |
| 93     | 7.089 | 7.070 | 7.113 | VV | 23084  | 371749  | 0.84% | 0.027% |
| 94     | 7.133 | 7.113 | 7.150 | VV | 19464  | 286799  | 0.65% | 0.021% |
| 95     | 7.177 | 7.150 | 7.192 | VV | 11946  | 264760  | 0.60% | 0.019% |
| 96     | 7.255 | 7.192 | 7.280 | VV | 206318 | 2729288 | 6.18% | 0.200% |
| 97     | 7.295 | 7.280 | 7.332 | VV | 16211  | 426741  | 0.97% | 0.031% |
| 98     | 7.341 | 7.332 | 7.357 | VV | 13791  | 187343  | 0.42% | 0.014% |
| 99     | 7.375 | 7.357 | 7.402 | VV | 14368  | 324142  | 0.73% | 0.024% |
| 100    | 7.427 | 7.402 | 7.459 | VV | 39238  | 709017  | 1.61% | 0.052% |
| 101    | 7.477 | 7.459 | 7.497 | VV | 14480  | 238565  | 0.54% | 0.017% |
| 102    | 7.518 | 7.497 | 7.531 | VV | 10922  | 172361  | 0.39% | 0.013% |
| 103    | 7.618 | 7.605 | 7.652 | VV | 16638  | 325121  | 0.74% | 0.024% |
| 104    | 7.678 | 7.652 | 7.691 | VV | 17477  | 305001  | 0.69% | 0.022% |
| 105    | 7.708 | 7.691 | 7.721 | VV | 22959  | 325667  | 0.74% | 0.024% |
| 106    | 7.731 | 7.721 | 7.749 | VV | 20339  | 260652  | 0.59% | 0.019% |
| 107    | 7.772 | 7.749 | 7.793 | VV | 24891  | 384760  | 0.87% | 0.028% |
| 108    | 7.819 | 7.793 | 7.840 | VV | 33956  | 535429  | 1.21% | 0.039% |
| 109    | 7.875 | 7.840 | 7.898 | VV | 30369  | 617999  | 1.40% | 0.045% |
| 110    | 7.944 | 7.898 | 7.978 | VV | 55765  | 950795  | 2.15% | 0.070% |
| 111    | 7.994 | 7.978 | 8.013 | VV | 12861  | 231273  | 0.52% | 0.017% |
| 112    | 8.040 | 8.013 | 8.057 | VV | 18659  | 392936  | 0.89% | 0.029% |
| 113    | 8.072 | 8.057 | 8.089 | VV | 20224  | 302607  | 0.69% | 0.022% |
| 114    | 8.122 | 8.089 | 8.147 | VV | 151851 | 1822392 | 4.13% | 0.133% |
| 115    | 8.173 | 8.147 | 8.197 | VV | 21276  | 448719  | 1.02% | 0.033% |
| 116    | 8.218 | 8.197 | 8.251 | VV | 16298  | 393538  | 0.89% | 0.029% |
| 117    | 8.278 | 8.251 | 8.295 | VV | 13772  | 295612  | 0.67% | 0.022% |
| 118    | 8.309 | 8.295 | 8.324 | VV | 12623  | 180899  | 0.41% | 0.013% |
| 119    | 8.340 | 8.324 | 8.381 | VV | 14387  | 333184  | 0.76% | 0.024% |
| 120    | 8.478 | 8.459 | 8.504 | VV | 14678  | 329271  | 0.75% | 0.024% |
| 121    | 8.536 | 8.504 | 8.552 | VV | 15406  | 369141  | 0.84% | 0.027% |
| 122    | 8.570 | 8.552 | 8.594 | VV | 18198  | 326459  | 0.74% | 0.024% |
| 123    | 8.611 | 8.594 | 8.624 | VV | 14702  | 213225  | 0.48% | 0.016% |
| 124    | 8.655 | 8.624 | 8.682 | VV | 48631  | 744758  | 1.69% | 0.054% |
| 125    | 8.707 | 8.682 | 8.723 | VV | 15042  | 234539  | 0.53% | 0.017% |
| 126    | 8.733 | 8.723 | 8.746 | VV | 8843   | 106074  | 0.24% | 0.008% |
| 127    | 8.762 | 8.746 | 8.785 | VV | 9786   | 185114  | 0.42% | 0.014% |
| 128    | 8.800 | 8.785 | 8.819 | VV | 10905  | 172228  | 0.39% | 0.013% |
| 129    | 8.831 | 8.819 | 8.844 | VV | 6694   | 93184   | 0.21% | 0.007% |
| 130    | 8.875 | 8.844 | 8.897 | VV | 10715  | 266245  | 0.60% | 0.019% |
| 131    | 8.939 | 8.897 | 9.004 | VV | 90085  | 1317900 | 2.99% | 0.096% |
| 132    | 9.024 | 9.004 | 9.049 | VV | 8323   | 145953  | 0.33% | 0.011% |
| 133    | 9.084 | 9.049 | 9.103 | VV | 7457   | 163006  | 0.37% | 0.012% |
| 134    | 9.117 | 9.103 | 9.129 | VV | 5238   | 63571   | 0.14% | 0.005% |
| 135    | 9.139 | 9.129 | 9.152 | VV | 4217   | 48811   | 0.11% | 0.004% |
| 136    | 9.167 | 9.152 | 9.187 | VV | 4406   | 76704   | 0.17% | 0.006% |
| 137    | 9.220 | 9.187 | 9.252 | VV | 8279   | 177958  | 0.40% | 0.013% |
| 138    | 9.266 | 9.252 | 9.284 | VV | 4662   | 67494   | 0.15% | 0.005% |
| 139    | 9.312 | 9.284 | 9.345 | VV | 14040  | 297124  | 0.67% | 0.022% |
| 140    | 9.385 | 9.345 | 9.419 | VV | 10875  | 304433  | 0.69% | 0.022% |
| 141    | 9.443 | 9.419 | 9.462 | VV | 8280   | 134501  | 0.30% | 0.010% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 9.495  | 9.462  | 9.524  | VV | 7440   | 185222  | 0.42%  | 0.014% |
| 143 | 9.543  | 9.524  | 9.572  | VV | 2642   | 49240   | 0.11%  | 0.004% |
| 144 | 9.580  | 9.572  | 9.601  | VV | 1105   | 16666   | 0.04%  | 0.001% |
| 145 | 9.630  | 9.601  | 9.645  | VV | 3914   | 72016   | 0.16%  | 0.005% |
|     |        |        |        |    |        |         |        |        |
| 146 | 9.670  | 9.645  | 9.690  | VV | 6316   | 120837  | 0.27%  | 0.009% |
| 147 | 9.714  | 9.690  | 9.762  | VV | 47730  | 575538  | 1.30%  | 0.042% |
| 148 | 9.782  | 9.762  | 9.797  | VV | 2168   | 40344   | 0.09%  | 0.003% |
| 149 | 9.817  | 9.797  | 9.854  | VV | 3683   | 61810   | 0.14%  | 0.005% |
| 150 | 9.885  | 9.854  | 9.915  | PV | 2320   | 37539   | 0.09%  | 0.003% |
|     |        |        |        |    |        |         |        |        |
| 151 | 9.925  | 9.915  | 9.934  | VV | 575    | 4680    | 0.01%  | 0.000% |
| 152 | 9.948  | 9.934  | 9.964  | VV | 692    | 8667    | 0.02%  | 0.001% |
| 153 | 9.987  | 9.964  | 10.001 | VV | 1369   | 17221   | 0.04%  | 0.001% |
| 154 | 10.050 | 10.001 | 10.073 | VV | 4285   | 89825   | 0.20%  | 0.007% |
| 155 | 10.101 | 10.073 | 10.128 | VV | 17962  | 268597  | 0.61%  | 0.020% |
|     |        |        |        |    |        |         |        |        |
| 156 | 10.151 | 10.128 | 10.167 | VV | 5984   | 93301   | 0.21%  | 0.007% |
| 157 | 10.185 | 10.167 | 10.205 | VV | 5330   | 89864   | 0.20%  | 0.007% |
| 158 | 10.219 | 10.205 | 10.230 | VV | 3826   | 40415   | 0.09%  | 0.003% |
| 159 | 10.245 | 10.230 | 10.270 | VV | 5573   | 68207   | 0.15%  | 0.005% |
| 160 | 10.294 | 10.270 | 10.308 | PV | 3047   | 38956   | 0.09%  | 0.003% |
|     |        |        |        |    |        |         |        |        |
| 161 | 10.320 | 10.308 | 10.334 | VV | 2353   | 30136   | 0.07%  | 0.002% |
| 162 | 10.356 | 10.334 | 10.381 | VV | 4007   | 82570   | 0.19%  | 0.006% |
| 163 | 10.388 | 10.381 | 10.411 | VV | 2967   | 45353   | 0.10%  | 0.003% |
| 164 | 10.450 | 10.411 | 10.483 | VV | 28089  | 391158  | 0.89%  | 0.029% |
| 165 | 10.522 | 10.483 | 10.552 | VV | 17166  | 286990  | 0.65%  | 0.021% |
|     |        |        |        |    |        |         |        |        |
| 166 | 10.574 | 10.552 | 10.613 | VV | 3284   | 69799   | 0.16%  | 0.005% |
| 167 | 10.665 | 10.613 | 10.674 | PV | 3205   | 61312   | 0.14%  | 0.004% |
| 168 | 10.696 | 10.674 | 10.716 | VV | 16400  | 200985  | 0.46%  | 0.015% |
| 169 | 10.727 | 10.716 | 10.750 | VV | 3558   | 49681   | 0.11%  | 0.004% |
| 170 | 10.773 | 10.750 | 10.811 | VV | 5355   | 112101  | 0.25%  | 0.008% |
|     |        |        |        |    |        |         |        |        |
| 171 | 10.839 | 10.811 | 10.883 | VV | 5683   | 104536  | 0.24%  | 0.008% |
| 172 | 10.905 | 10.883 | 10.935 | VV | 2479   | 42296   | 0.10%  | 0.003% |
| 173 | 10.955 | 10.935 | 10.970 | VV | 2195   | 28428   | 0.06%  | 0.002% |
| 174 | 11.007 | 10.970 | 11.029 | VV | 3422   | 65735   | 0.15%  | 0.005% |
| 175 | 11.050 | 11.029 | 11.065 | PV | 2027   | 29636   | 0.07%  | 0.002% |
|     |        |        |        |    |        |         |        |        |
| 176 | 11.087 | 11.065 | 11.107 | VV | 3179   | 58878   | 0.13%  | 0.004% |
| 177 | 11.150 | 11.107 | 11.198 | VV | 21074  | 312633  | 0.71%  | 0.023% |
| 178 | 11.241 | 11.198 | 11.268 | VV | 12624  | 246797  | 0.56%  | 0.018% |
| 179 | 11.289 | 11.268 | 11.318 | VV | 2633   | 41657   | 0.09%  | 0.003% |
| 180 | 11.346 | 11.318 | 11.367 | PV | 5492   | 77044   | 0.17%  | 0.006% |
|     |        |        |        |    |        |         |        |        |
| 181 | 11.387 | 11.367 | 11.402 | VV | 3434   | 48321   | 0.11%  | 0.004% |
| 182 | 11.465 | 11.402 | 11.511 | VV | 423850 | 4762233 | 10.79% | 0.348% |
| 183 | 11.530 | 11.511 | 11.568 | VV | 9903   | 162894  | 0.37%  | 0.012% |
| 184 | 11.594 | 11.568 | 11.622 | PV | 5148   | 111030  | 0.25%  | 0.008% |
| 185 | 11.644 | 11.622 | 11.661 | VV | 10082  | 132106  | 0.30%  | 0.010% |
|     |        |        |        |    |        |         |        |        |
| 186 | 11.676 | 11.661 | 11.705 | VV | 5896   | 83528   | 0.19%  | 0.006% |
| 187 | 11.756 | 11.705 | 11.772 | VV | 3731   | 56981   | 0.13%  | 0.004% |
| 188 | 11.817 | 11.772 | 11.848 | VV | 22393  | 393972  | 0.89%  | 0.029% |
| 189 | 11.859 | 11.848 | 11.878 | VV | 1866   | 23214   | 0.05%  | 0.002% |
| 190 | 11.898 | 11.878 | 11.910 | VV | 2602   | 26224   | 0.06%  | 0.002% |
|     |        |        |        |    |        |         |        |        |
| 191 | 11.932 | 11.910 | 11.958 | VV | 2402   | 49604   | 0.11%  | 0.004% |
| 192 | 11.965 | 11.958 | 11.981 | VV | 1092   | 10531   | 0.02%  | 0.001% |
| 193 | 11.998 | 11.981 | 12.009 | PV | 2245   | 19571   | 0.04%  | 0.001% |
| 194 | 12.034 | 12.009 | 12.046 | VV | 8170   | 105821  | 0.24%  | 0.008% |

|     |        |        |        |    |        |         |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
|     |        |        |        |    | rteres |         |       |        |
| 195 | 12.065 | 12.046 | 12.088 | VV | 28787  | 328376  | 0.74% | 0.024% |
| 196 | 12.105 | 12.088 | 12.132 | VV | 2723   | 47290   | 0.11% | 0.003% |
| 197 | 12.143 | 12.132 | 12.155 | VV | 2042   | 17963   | 0.04% | 0.001% |
| 198 | 12.197 | 12.155 | 12.213 | PV | 6178   | 145746  | 0.33% | 0.011% |
| 199 | 12.229 | 12.213 | 12.265 | VV | 5511   | 96434   | 0.22% | 0.007% |
| 200 | 12.285 | 12.265 | 12.295 | PV | 6276   | 67041   | 0.15% | 0.005% |
| 201 | 12.313 | 12.295 | 12.333 | VV | 7348   | 112896  | 0.26% | 0.008% |
| 202 | 12.363 | 12.333 | 12.371 | VV | 5108   | 67671   | 0.15% | 0.005% |
| 203 | 12.394 | 12.371 | 12.410 | VV | 16507  | 229851  | 0.52% | 0.017% |
| 204 | 12.456 | 12.410 | 12.488 | VV | 33944  | 574037  | 1.30% | 0.042% |
| 205 | 12.509 | 12.488 | 12.541 | VV | 22661  | 294775  | 0.67% | 0.022% |
| 206 | 12.565 | 12.541 | 12.587 | VV | 10630  | 145443  | 0.33% | 0.011% |
| 207 | 12.607 | 12.587 | 12.624 | VV | 2864   | 38434   | 0.09% | 0.003% |
| 208 | 12.639 | 12.624 | 12.675 | PV | 2903   | 32587   | 0.07% | 0.002% |
| 209 | 12.698 | 12.675 | 12.722 | VV | 5983   | 82291   | 0.19% | 0.006% |
| 210 | 12.748 | 12.722 | 12.777 | VV | 4445   | 80581   | 0.18% | 0.006% |
| 211 | 12.806 | 12.777 | 12.853 | PV | 21825  | 359682  | 0.82% | 0.026% |
| 212 | 12.901 | 12.853 | 12.928 | VV | 325676 | 3755261 | 8.51% | 0.275% |
| 213 | 12.953 | 12.928 | 12.973 | VV | 9452   | 189989  | 0.43% | 0.014% |
| 214 | 12.993 | 12.973 | 13.028 | VV | 9125   | 195860  | 0.44% | 0.014% |
| 215 | 13.068 | 13.028 | 13.093 | VV | 27805  | 467649  | 1.06% | 0.034% |
| 216 | 13.108 | 13.093 | 13.122 | VV | 9270   | 148949  | 0.34% | 0.011% |
| 217 | 13.139 | 13.122 | 13.182 | VV | 14963  | 257356  | 0.58% | 0.019% |
| 218 | 13.229 | 13.182 | 13.254 | VV | 14923  | 262615  | 0.60% | 0.019% |
| 219 | 13.295 | 13.254 | 13.312 | VV | 15237  | 267195  | 0.61% | 0.020% |
| 220 | 13.333 | 13.312 | 13.348 | VV | 11581  | 212864  | 0.48% | 0.016% |
| 221 | 13.369 | 13.348 | 13.378 | VV | 11410  | 184165  | 0.42% | 0.013% |
| 222 | 13.395 | 13.378 | 13.420 | VV | 13061  | 235883  | 0.53% | 0.017% |
| 223 | 13.443 | 13.420 | 13.451 | VV | 11750  | 153797  | 0.35% | 0.011% |
| 224 | 13.498 | 13.451 | 13.526 | VV | 14894  | 501494  | 1.14% | 0.037% |
| 225 | 13.573 | 13.526 | 13.622 | VV | 21766  | 721594  | 1.64% | 0.053% |
| 226 | 13.652 | 13.622 | 13.692 | VV | 60057  | 1506761 | 3.41% | 0.110% |
| 227 | 13.706 | 13.692 | 13.730 | VV | 22490  | 411457  | 0.93% | 0.030% |
| 228 | 13.752 | 13.730 | 13.772 | VV | 14968  | 310991  | 0.70% | 0.023% |
| 229 | 13.801 | 13.772 | 13.822 | VV | 20770  | 436297  | 0.99% | 0.032% |
| 230 | 13.883 | 13.822 | 13.900 | VV | 27053  | 859201  | 1.95% | 0.063% |
| 231 | 13.944 | 13.900 | 13.987 | VV | 81362  | 1701722 | 3.86% | 0.124% |
| 232 | 14.011 | 13.987 | 14.028 | VV | 23878  | 472640  | 1.07% | 0.035% |
| 233 | 14.059 | 14.028 | 14.074 | VV | 30030  | 699037  | 1.58% | 0.051% |
| 234 | 14.098 | 14.074 | 14.138 | VV | 31370  | 1021188 | 2.31% | 0.075% |
| 235 | 14.155 | 14.138 | 14.178 | VV | 30880  | 627652  | 1.42% | 0.046% |
| 236 | 14.213 | 14.178 | 14.243 | VV | 49182  | 1262617 | 2.86% | 0.092% |
| 237 | 14.273 | 14.243 | 14.293 | VV | 45413  | 1060281 | 2.40% | 0.078% |
| 238 | 14.337 | 14.293 | 14.357 | VV | 43492  | 1378004 | 3.12% | 0.101% |
| 239 | 14.374 | 14.357 | 14.396 | VV | 37687  | 760256  | 1.72% | 0.056% |
| 240 | 14.462 | 14.396 | 14.478 | VV | 44678  | 1728333 | 3.92% | 0.126% |
| 241 | 14.496 | 14.478 | 14.514 | VV | 40706  | 848708  | 1.92% | 0.062% |
| 242 | 14.531 | 14.514 | 14.549 | VV | 42402  | 776558  | 1.76% | 0.057% |
| 243 | 14.564 | 14.549 | 14.578 | VV | 34693  | 576343  | 1.31% | 0.042% |
| 244 | 14.621 | 14.578 | 14.647 | VV | 59774  | 1871517 | 4.24% | 0.137% |
| 245 | 14.681 | 14.647 | 14.705 | VV | 53352  | 1556401 | 3.53% | 0.114% |
| 246 | 14.722 | 14.705 | 14.736 | VV | 51551  | 843535  | 1.91% | 0.062% |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 247    | 14.755 | 14.736 | 14.763 | VV | 61145  | 902164   | 2.04%  | 0.066% |
| 248    | 14.777 | 14.763 | 14.808 | VV | 71276  | 1465010  | 3.32%  | 0.107% |
| 249    | 14.840 | 14.808 | 14.855 | VV | 51712  | 1319383  | 2.99%  | 0.096% |
| 250    | 14.883 | 14.855 | 14.901 | VV | 55711  | 1402925  | 3.18%  | 0.103% |
|        |        |        |        |    |        |          |        |        |
| 251    | 14.957 | 14.901 | 14.972 | VV | 54658  | 2117627  | 4.80%  | 0.155% |
| 252    | 14.995 | 14.972 | 15.031 | VV | 59345  | 1871737  | 4.24%  | 0.137% |
| 253    | 15.095 | 15.031 | 15.104 | VV | 54291  | 2299889  | 5.21%  | 0.168% |
| 254    | 15.130 | 15.104 | 15.158 | VV | 87704  | 2236527  | 5.07%  | 0.164% |
| 255    | 15.202 | 15.158 | 15.222 | VV | 73435  | 2427901  | 5.50%  | 0.178% |
|        |        |        |        |    |        |          |        |        |
| 256    | 15.232 | 15.222 | 15.237 | VV | 58943  | 555635   | 1.26%  | 0.041% |
| 257    | 15.273 | 15.237 | 15.304 | VV | 93871  | 2974589  | 6.74%  | 0.218% |
| 258    | 15.320 | 15.304 | 15.338 | VV | 75459  | 1512755  | 3.43%  | 0.111% |
| 259    | 15.358 | 15.338 | 15.378 | VV | 88469  | 1850828  | 4.19%  | 0.135% |
| 260    | 15.401 | 15.378 | 15.430 | VV | 91238  | 2407820  | 5.46%  | 0.176% |
|        |        |        |        |    |        |          |        |        |
| 261    | 15.527 | 15.430 | 15.555 | VV | 93769  | 5930946  | 13.44% | 0.434% |
| 262    | 15.592 | 15.555 | 15.611 | VV | 92263  | 2867515  | 6.50%  | 0.210% |
| 263    | 15.643 | 15.611 | 15.652 | VV | 91067  | 2143858  | 4.86%  | 0.157% |
| 264    | 15.682 | 15.652 | 15.702 | VV | 94871  | 2722405  | 6.17%  | 0.199% |
| 265    | 15.775 | 15.702 | 15.850 | VV | 132272 | 9330707  | 21.14% | 0.682% |
|        |        |        |        |    |        |          |        |        |
| 266    | 15.898 | 15.850 | 15.927 | VV | 108461 | 4747825  | 10.76% | 0.347% |
| 267    | 15.959 | 15.927 | 16.010 | VV | 147219 | 6215911  | 14.09% | 0.455% |
| 268    | 16.071 | 16.010 | 16.087 | VV | 139196 | 6017882  | 13.64% | 0.440% |
| 269    | 16.134 | 16.087 | 16.145 | VV | 152468 | 4874752  | 11.05% | 0.356% |
| 270    | 16.162 | 16.145 | 16.189 | VV | 156474 | 3813715  | 8.64%  | 0.279% |
|        |        |        |        |    |        |          |        |        |
| 271    | 16.258 | 16.189 | 16.287 | VV | 190363 | 9078824  | 20.57% | 0.664% |
| 272    | 16.393 | 16.287 | 16.447 | VV | 187489 | 16416894 | 37.20% | 1.201% |
| 273    | 16.468 | 16.447 | 16.502 | VV | 193008 | 6051293  | 13.71% | 0.443% |
| 274    | 16.573 | 16.502 | 16.615 | VV | 211930 | 13140120 | 29.78% | 0.961% |
| 275    | 16.628 | 16.615 | 16.646 | VV | 202370 | 3654711  | 8.28%  | 0.267% |
|        |        |        |        |    |        |          |        |        |
| 276    | 16.659 | 16.646 | 16.667 | VV | 190514 | 2412126  | 5.47%  | 0.176% |
| 277    | 16.743 | 16.667 | 16.768 | VV | 266857 | 13837611 | 31.36% | 1.012% |
| 278    | 16.782 | 16.768 | 16.802 | VV | 235386 | 4505389  | 10.21% | 0.329% |
| 279    | 16.815 | 16.802 | 16.835 | VV | 236901 | 4570765  | 10.36% | 0.334% |
| 280    | 16.848 | 16.835 | 16.872 | VV | 231244 | 5052466  | 11.45% | 0.369% |
|        |        |        |        |    |        |          |        |        |
| 281    | 16.964 | 16.872 | 16.988 | VV | 289664 | 17846804 | 40.44% | 1.305% |
| 282    | 16.998 | 16.988 | 17.007 | VV | 248582 | 2717715  | 6.16%  | 0.199% |
| 283    | 17.042 | 17.007 | 17.075 | VV | 305560 | 11405452 | 25.85% | 0.834% |
| 284    | 17.140 | 17.075 | 17.162 | VV | 337347 | 15063503 | 34.14% | 1.102% |
| 285    | 17.207 | 17.162 | 17.228 | VV | 306649 | 11395617 | 25.82% | 0.833% |
|        |        |        |        |    |        |          |        |        |
| 286    | 17.245 | 17.228 | 17.261 | VV | 296344 | 5728846  | 12.98% | 0.419% |
| 287    | 17.287 | 17.261 | 17.325 | VV | 348171 | 11701981 | 26.52% | 0.856% |
| 288    | 17.345 | 17.325 | 17.360 | VV | 296136 | 6031947  | 13.67% | 0.441% |
| 289    | 17.372 | 17.360 | 17.423 | VV | 299133 | 10911140 | 24.73% | 0.798% |
| 290    | 17.462 | 17.423 | 17.487 | VV | 312656 | 11400205 | 25.83% | 0.834% |
|        |        |        |        |    |        |          |        |        |
| 291    | 17.513 | 17.487 | 17.532 | VV | 331174 | 8420581  | 19.08% | 0.616% |
| 292    | 17.552 | 17.532 | 17.581 | VV | 338884 | 9406556  | 21.32% | 0.688% |
| 293    | 17.614 | 17.581 | 17.636 | VV | 382887 | 11497639 | 26.05% | 0.841% |
| 294    | 17.659 | 17.636 | 17.697 | VV | 406691 | 12506595 | 28.34% | 0.915% |
| 295    | 17.759 | 17.697 | 17.840 | VV | 465525 | 31412125 | 71.18% | 2.297% |
|        |        |        |        |    |        |          |        |        |
| 296    | 17.861 | 17.840 | 17.876 | VV | 330413 | 7007261  | 15.88% | 0.512% |
| 297    | 17.965 | 17.876 | 18.017 | VV | 380826 | 28904961 | 65.50% | 2.114% |
| 298    | 18.035 | 18.017 | 18.058 | VV | 367373 | 8561562  | 19.40% | 0.626% |
| 299    | 18.096 | 18.058 | 18.104 | VV | 378613 | 9836653  | 22.29% | 0.719% |

|     |        |        |        |    |        |          |         |        |
|-----|--------|--------|--------|----|--------|----------|---------|--------|
|     |        |        |        |    | rteres |          |         |        |
| 300 | 18.127 | 18.104 | 18.202 | VV | 512342 | 23178683 | 52.52%  | 1.695% |
| 301 | 18.213 | 18.202 | 18.224 | VV | 353160 | 4752352  | 10.77%  | 0.348% |
| 302 | 18.279 | 18.224 | 18.302 | VV | 381452 | 16717200 | 37.88%  | 1.223% |
| 303 | 18.339 | 18.302 | 18.374 | VV | 355573 | 15248522 | 34.55%  | 1.115% |
| 304 | 18.442 | 18.374 | 18.479 | VV | 410285 | 23225369 | 52.63%  | 1.698% |
| 305 | 18.502 | 18.479 | 18.518 | VV | 375888 | 8643101  | 19.59%  | 0.632% |
| 306 | 18.547 | 18.518 | 18.569 | VV | 433823 | 12061413 | 27.33%  | 0.882% |
| 307 | 18.597 | 18.569 | 18.658 | VV | 429392 | 20879397 | 47.31%  | 1.527% |
| 308 | 18.723 | 18.658 | 18.775 | VV | 394434 | 26934582 | 61.04%  | 1.970% |
| 309 | 18.798 | 18.775 | 18.817 | VV | 409442 | 10023759 | 22.71%  | 0.733% |
| 310 | 18.841 | 18.817 | 18.865 | VV | 439848 | 11868070 | 26.89%  | 0.868% |
| 311 | 18.877 | 18.865 | 18.905 | VV | 429337 | 9878369  | 22.39%  | 0.722% |
| 312 | 18.947 | 18.905 | 18.965 | VV | 432817 | 14696958 | 33.30%  | 1.075% |
| 313 | 18.976 | 18.965 | 18.996 | VV | 412979 | 7624738  | 17.28%  | 0.558% |
| 314 | 19.036 | 18.996 | 19.047 | VV | 416311 | 12355653 | 28.00%  | 0.904% |
| 315 | 19.061 | 19.047 | 19.099 | VV | 422783 | 12903814 | 29.24%  | 0.944% |
| 316 | 19.117 | 19.099 | 19.146 | VV | 423078 | 11814901 | 26.77%  | 0.864% |
| 317 | 19.161 | 19.146 | 19.178 | VV | 420795 | 7964866  | 18.05%  | 0.582% |
| 318 | 19.226 | 19.178 | 19.240 | VV | 459561 | 15868742 | 35.96%  | 1.160% |
| 319 | 19.253 | 19.240 | 19.281 | VV | 470884 | 11249408 | 25.49%  | 0.823% |
| 320 | 19.292 | 19.281 | 19.311 | VV | 426597 | 7387531  | 16.74%  | 0.540% |
| 321 | 19.348 | 19.311 | 19.402 | VV | 468094 | 23690168 | 53.68%  | 1.732% |
| 322 | 19.434 | 19.402 | 19.449 | VV | 447069 | 12624092 | 28.61%  | 0.923% |
| 323 | 19.499 | 19.449 | 19.512 | VV | 460442 | 16685614 | 37.81%  | 1.220% |
| 324 | 19.523 | 19.512 | 19.547 | VV | 456385 | 9573722  | 21.69%  | 0.700% |
| 325 | 19.592 | 19.547 | 19.618 | VV | 500773 | 20321149 | 46.05%  | 1.486% |
| 326 | 19.654 | 19.618 | 19.701 | VV | 504860 | 23790217 | 53.91%  | 1.740% |
| 327 | 19.725 | 19.701 | 19.742 | VV | 484987 | 11659785 | 26.42%  | 0.853% |
| 328 | 19.762 | 19.742 | 19.792 | VV | 496755 | 14641303 | 33.18%  | 1.071% |
| 329 | 19.810 | 19.792 | 19.821 | VV | 492594 | 8406128  | 19.05%  | 0.615% |
| 330 | 19.840 | 19.821 | 19.854 | VV | 493829 | 9747719  | 22.09%  | 0.713% |
| 331 | 19.875 | 19.854 | 19.895 | VV | 527715 | 12509262 | 28.35%  | 0.915% |
| 332 | 19.911 | 19.895 | 19.932 | VV | 506633 | 11014623 | 24.96%  | 0.805% |
| 333 | 19.964 | 19.932 | 19.997 | VV | 523075 | 19902357 | 45.10%  | 1.455% |
| 334 | 20.038 | 19.997 | 20.065 | VV | 538563 | 21134135 | 47.89%  | 1.546% |
| 335 | 20.167 | 20.065 | 20.201 | VV | 566279 | 44128937 | 100.00% | 3.227% |
| 336 | 20.211 | 20.201 | 20.297 | VV | 550256 | 30317906 | 68.70%  | 2.217% |
| 337 | 20.321 | 20.297 | 20.345 | VV | 555965 | 15553912 | 35.25%  | 1.137% |
| 338 | 20.366 | 20.345 | 20.385 | VV | 558199 | 13069108 | 29.62%  | 0.956% |
| 339 | 20.426 | 20.385 | 20.520 | VV | 573445 | 43628044 | 98.86%  | 3.190% |
| 340 | 20.538 | 20.520 | 20.572 | VV | 509398 | 15379045 | 34.85%  | 1.125% |
| 341 | 20.580 | 20.572 | 20.609 | VV | 490938 | 10862760 | 24.62%  | 0.794% |
| 342 | 20.635 | 20.609 | 20.652 | VV | 496107 | 12479365 | 28.28%  | 0.913% |
| 343 | 20.673 | 20.652 | 20.767 | VV | 500892 | 32898506 | 74.55%  | 2.406% |
| 344 | 20.774 | 20.767 | 20.842 | VV | 449070 | 19623853 | 44.47%  | 1.435% |
| 345 | 20.855 | 20.842 | 20.884 | VV | 426441 | 10794561 | 24.46%  | 0.789% |
| 346 | 20.917 | 20.884 | 20.932 | VV | 439287 | 12513740 | 28.36%  | 0.915% |
| 347 | 20.944 | 20.932 | 21.066 | VV | 442814 | 32624190 | 73.93%  | 2.386% |
| 348 | 21.088 | 21.066 | 21.121 | VV | 381267 | 12160167 | 27.56%  | 0.889% |
| 349 | 21.157 | 21.121 | 21.166 | VV | 363937 | 9698697  | 21.98%  | 0.709% |
| 350 | 21.171 | 21.166 | 21.182 | VV | 361696 | 3375856  | 7.65%   | 0.247% |
| 351 | 21.192 | 21.182 | 21.235 | VV | 359947 | 11292254 | 25.59%  | 0.826% |

|     |        |        |        |     |        |                         |            |        |
|-----|--------|--------|--------|-----|--------|-------------------------|------------|--------|
|     |        |        |        |     |        | rteres                  |            |        |
| 352 | 21.278 | 21.235 | 21.457 | VV  | 358765 | 43383271                | 98.31%     | 3.173% |
| 353 | 21.473 | 21.457 | 21.482 | VV  | 280457 | 4110248                 | 9.31%      | 0.301% |
| 354 | 21.545 | 21.482 | 21.582 | VBA | 302952 | 17954884                | 40.69%     | 1.313% |
|     |        |        |        |     |        | Sum of corrected areas: | 1367437301 |        |

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