

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC062419AL\  
 Data File : FC041984.D  
 Signal(s) : FID1A.CH  
 Acq On : 24 Jun 2019 22:26  
 Sample : K3482-05MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 061219.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.496       | 3.452        | 3.507      | BV       | 696327         | 7038859      | 15.26%         | 0.340%        |
| 2         | 3.521       | 3.507        | 3.537      | VV       | 970215         | 9022283      | 19.55%         | 0.436%        |
| 3         | 3.547       | 3.537        | 3.579      | VV       | 259560         | 2735687      | 5.93%          | 0.132%        |
| 4         | 3.626       | 3.579        | 3.640      | PV       | 867533         | 9697709      | 21.02%         | 0.469%        |
| 5         | 3.650       | 3.640        | 3.664      | VV       | 536074         | 5298973      | 11.48%         | 0.256%        |
| 6         | 3.678       | 3.664        | 3.686      | VV       | 467773         | 4497872      | 9.75%          | 0.217%        |
| 7         | 3.702       | 3.686        | 3.730      | VV       | 625745         | 9877885      | 21.41%         | 0.477%        |
| 8         | 3.772       | 3.730        | 3.802      | VV       | 1903076        | 28097628     | 60.90%         | 1.358%        |
| 9         | 3.831       | 3.802        | 3.847      | VV       | 682039         | 9868447      | 21.39%         | 0.477%        |
| 10        | 3.882       | 3.847        | 3.921      | VV       | 2969441        | 46140181     | 100.00%        | 2.230%        |
| 11        | 3.953       | 3.921        | 3.988      | VV       | 2059065        | 33594061     | 72.81%         | 1.624%        |
| 12        | 4.002       | 3.988        | 4.032      | VV       | 599635         | 9383902      | 20.34%         | 0.454%        |
| 13        | 4.054       | 4.032        | 4.069      | VV       | 2027975        | 18839714     | 40.83%         | 0.911%        |
| 14        | 4.092       | 4.069        | 4.116      | VV       | 1293666        | 22637988     | 49.06%         | 1.094%        |
| 15        | 4.123       | 4.116        | 4.140      | VV       | 594272         | 5990984      | 12.98%         | 0.290%        |
| 16        | 4.174       | 4.140        | 4.189      | VV       | 1872949        | 24965906     | 54.11%         | 1.207%        |
| 17        | 4.204       | 4.189        | 4.221      | VV       | 857635         | 11779341     | 25.53%         | 0.569%        |
| 18        | 4.235       | 4.221        | 4.248      | VV       | 899542         | 11831249     | 25.64%         | 0.572%        |
| 19        | 4.270       | 4.248        | 4.307      | VV       | 1043976        | 20889705     | 45.27%         | 1.010%        |
| 20        | 4.322       | 4.307        | 4.330      | VV       | 568063         | 5852849      | 12.68%         | 0.283%        |
| 21        | 4.355       | 4.330        | 4.366      | VV       | 1112152        | 16819888     | 36.45%         | 0.813%        |
| 22        | 4.383       | 4.366        | 4.405      | VV       | 1851853        | 24123131     | 52.28%         | 1.166%        |
| 23        | 4.420       | 4.405        | 4.457      | VV       | 875317         | 16217302     | 35.15%         | 0.784%        |
| 24        | 4.490       | 4.457        | 4.507      | VV       | 975494         | 16476245     | 35.71%         | 0.796%        |
| 25        | 4.529       | 4.507        | 4.546      | VV       | 944115         | 16175333     | 35.06%         | 0.782%        |
| 26        | 4.568       | 4.546        | 4.600      | VV       | 926391         | 21440282     | 46.47%         | 1.036%        |
| 27        | 4.615       | 4.600        | 4.629      | VV       | 865025         | 9764715      | 21.16%         | 0.472%        |
| 28        | 4.642       | 4.629        | 4.656      | VV       | 729408         | 8441601      | 18.30%         | 0.408%        |
| 29        | 4.663       | 4.656        | 4.676      | VV       | 410215         | 4818416      | 10.44%         | 0.233%        |
| 30        | 4.686       | 4.676        | 4.702      | VV       | 443654         | 5904889      | 12.80%         | 0.285%        |
| 31        | 4.741       | 4.702        | 4.758      | VV       | 958870         | 21810109     | 47.27%         | 1.054%        |
| 32        | 4.774       | 4.758        | 4.787      | VV       | 1352822        | 17864633     | 38.72%         | 0.863%        |
| 33        | 4.799       | 4.787        | 4.812      | VV       | 1036254        | 13115622     | 28.43%         | 0.634%        |
| 34        | 4.837       | 4.812        | 4.851      | VV       | 3397502        | 43424031     | 94.11%         | 2.099%        |
| 35        | 4.861       | 4.851        | 4.873      | VV       | 1313573        | 14389165     | 31.19%         | 0.695%        |
| 36        | 4.886       | 4.873        | 4.902      | VV       | 1256136        | 17503748     | 37.94%         | 0.846%        |

| rteres |       |       |       |    |         |          |        |        |
|--------|-------|-------|-------|----|---------|----------|--------|--------|
| 37     | 4.913 | 4.902 | 4.920 | VV | 889196  | 8717881  | 18.89% | 0.421% |
| 38     | 4.928 | 4.920 | 4.938 | VV | 937814  | 8815913  | 19.11% | 0.426% |
| 39     | 4.950 | 4.938 | 4.966 | VV | 1163656 | 13764252 | 29.83% | 0.665% |
| 40     | 4.991 | 4.966 | 5.011 | VV | 2921110 | 38411902 | 83.25% | 1.856% |
| 41     | 5.021 | 5.011 | 5.033 | VV | 573999  | 7362832  | 15.96% | 0.356% |
| 42     | 5.059 | 5.033 | 5.076 | VV | 1605828 | 24128379 | 52.29% | 1.166% |
| 43     | 5.093 | 5.076 | 5.108 | VV | 862939  | 13893470 | 30.11% | 0.671% |
| 44     | 5.123 | 5.108 | 5.156 | VV | 967471  | 19069120 | 41.33% | 0.922% |
| 45     | 5.181 | 5.156 | 5.191 | VV | 877851  | 12165888 | 26.37% | 0.588% |
| 46     | 5.208 | 5.191 | 5.245 | VV | 1199706 | 24400452 | 52.88% | 1.179% |
| 47     | 5.268 | 5.245 | 5.279 | VV | 1102869 | 13818521 | 29.95% | 0.668% |
| 48     | 5.294 | 5.279 | 5.310 | VV | 1842553 | 21745042 | 47.13% | 1.051% |
| 49     | 5.320 | 5.310 | 5.355 | VV | 1122403 | 20446402 | 44.31% | 0.988% |
| 50     | 5.370 | 5.355 | 5.388 | VV | 577894  | 10067925 | 21.82% | 0.487% |
| 51     | 5.412 | 5.388 | 5.444 | VV | 1187023 | 29518374 | 63.98% | 1.427% |
| 52     | 5.472 | 5.444 | 5.486 | VV | 1132059 | 21107621 | 45.75% | 1.020% |
| 53     | 5.502 | 5.486 | 5.518 | VV | 1175858 | 17020748 | 36.89% | 0.823% |
| 54     | 5.534 | 5.518 | 5.551 | VV | 1015920 | 16300388 | 35.33% | 0.788% |
| 55     | 5.560 | 5.551 | 5.587 | VV | 712862  | 13308785 | 28.84% | 0.643% |
| 56     | 5.614 | 5.587 | 5.627 | VV | 1360175 | 21502289 | 46.60% | 1.039% |
| 57     | 5.644 | 5.627 | 5.661 | VV | 1440637 | 19062879 | 41.32% | 0.921% |
| 58     | 5.677 | 5.661 | 5.687 | VV | 922795  | 11133366 | 24.13% | 0.538% |
| 59     | 5.695 | 5.687 | 5.712 | VV | 832847  | 9592974  | 20.79% | 0.464% |
| 60     | 5.740 | 5.712 | 5.751 | VV | 703357  | 13689907 | 29.67% | 0.662% |
| 61     | 5.761 | 5.751 | 5.774 | VV | 716190  | 8734629  | 18.93% | 0.422% |
| 62     | 5.799 | 5.774 | 5.832 | VV | 2109147 | 39354430 | 85.29% | 1.902% |
| 63     | 5.851 | 5.832 | 5.867 | VV | 877361  | 15584812 | 33.78% | 0.753% |
| 64     | 5.891 | 5.867 | 5.930 | VV | 2063048 | 44014010 | 95.39% | 2.127% |
| 65     | 5.949 | 5.930 | 5.966 | VV | 1584143 | 20580728 | 44.60% | 0.995% |
| 66     | 6.010 | 5.966 | 6.040 | VV | 812303  | 26953345 | 58.42% | 1.303% |
| 67     | 6.063 | 6.040 | 6.083 | VV | 810797  | 14407915 | 31.23% | 0.696% |
| 68     | 6.106 | 6.083 | 6.133 | VV | 978337  | 22123577 | 47.95% | 1.069% |
| 69     | 6.158 | 6.133 | 6.172 | VV | 1242342 | 21087847 | 45.70% | 1.019% |
| 70     | 6.183 | 6.172 | 6.220 | VV | 807106  | 18138743 | 39.31% | 0.877% |
| 71     | 6.258 | 6.220 | 6.269 | VV | 646504  | 14561470 | 31.56% | 0.704% |
| 72     | 6.289 | 6.269 | 6.315 | VV | 1071531 | 21676756 | 46.98% | 1.048% |
| 73     | 6.337 | 6.315 | 6.357 | VV | 883322  | 17562254 | 38.06% | 0.849% |
| 74     | 6.372 | 6.357 | 6.389 | VV | 1175904 | 17123483 | 37.11% | 0.828% |
| 75     | 6.405 | 6.389 | 6.444 | VV | 834672  | 23684439 | 51.33% | 1.145% |
| 76     | 6.461 | 6.444 | 6.483 | VV | 743003  | 12793416 | 27.73% | 0.618% |
| 77     | 6.511 | 6.483 | 6.553 | VV | 848273  | 25705246 | 55.71% | 1.242% |
| 78     | 6.577 | 6.553 | 6.592 | VV | 961397  | 16371326 | 35.48% | 0.791% |
| 79     | 6.601 | 6.592 | 6.624 | VV | 591638  | 8840162  | 19.16% | 0.427% |
| 80     | 6.663 | 6.624 | 6.678 | VV | 542572  | 15126096 | 32.78% | 0.731% |
| 81     | 6.693 | 6.678 | 6.702 | VV | 561650  | 7616706  | 16.51% | 0.368% |
| 82     | 6.729 | 6.702 | 6.749 | VV | 2068769 | 29011592 | 62.88% | 1.402% |
| 83     | 6.776 | 6.749 | 6.821 | VV | 992622  | 25330499 | 54.90% | 1.224% |
| 84     | 6.855 | 6.821 | 6.876 | VV | 653688  | 15108394 | 32.74% | 0.730% |
| 85     | 6.892 | 6.876 | 6.936 | VV | 480160  | 14423164 | 31.26% | 0.697% |
| 86     | 6.978 | 6.936 | 6.999 | VV | 470747  | 14807531 | 32.09% | 0.716% |
| 87     | 7.045 | 6.999 | 7.056 | VV | 371042  | 11431479 | 24.78% | 0.552% |
| 88     | 7.085 | 7.056 | 7.115 | VV | 596057  | 16974629 | 36.79% | 0.820% |
| 89     | 7.133 | 7.115 | 7.156 | VV | 662601  | 11801336 | 25.58% | 0.570% |

|     |       |       |       |    |        |          |        |        |
|-----|-------|-------|-------|----|--------|----------|--------|--------|
|     |       |       |       |    | rteres |          |        |        |
| 90  | 7.172 | 7.156 | 7.191 | VV | 438094 | 8508530  | 18.44% | 0.411% |
| 91  | 7.207 | 7.191 | 7.252 | VV | 853369 | 17154670 | 37.18% | 0.829% |
| 92  | 7.272 | 7.252 | 7.289 | VV | 918221 | 12317051 | 26.69% | 0.595% |
| 93  | 7.299 | 7.289 | 7.318 | VV | 487109 | 6809859  | 14.76% | 0.329% |
| 94  | 7.339 | 7.318 | 7.360 | VV | 496492 | 8797576  | 19.07% | 0.425% |
| 95  | 7.376 | 7.360 | 7.440 | VV | 333876 | 10869154 | 23.56% | 0.525% |
| 96  | 7.459 | 7.440 | 7.469 | VV | 246986 | 3819430  | 8.28%  | 0.185% |
| 97  | 7.494 | 7.469 | 7.526 | VV | 248067 | 7399594  | 16.04% | 0.358% |
| 98  | 7.543 | 7.526 | 7.568 | VV | 233314 | 5529436  | 11.98% | 0.267% |
| 99  | 7.583 | 7.568 | 7.598 | VV | 235854 | 3881688  | 8.41%  | 0.188% |
| 100 | 7.606 | 7.598 | 7.638 | VV | 215892 | 4610867  | 9.99%  | 0.223% |
| 101 | 7.662 | 7.638 | 7.702 | VV | 363916 | 8870952  | 19.23% | 0.429% |
| 102 | 7.717 | 7.702 | 7.759 | VV | 184487 | 4903925  | 10.63% | 0.237% |
| 103 | 7.806 | 7.759 | 7.889 | VV | 809519 | 16682506 | 36.16% | 0.806% |
| 104 | 7.935 | 7.889 | 7.949 | VV | 185286 | 4908734  | 10.64% | 0.237% |
| 105 | 7.961 | 7.949 | 7.980 | VV | 162703 | 2537684  | 5.50%  | 0.123% |
| 106 | 8.004 | 7.980 | 8.025 | VV | 181651 | 3416309  | 7.40%  | 0.165% |
| 107 | 8.049 | 8.025 | 8.064 | VV | 187230 | 3242170  | 7.03%  | 0.157% |
| 108 | 8.075 | 8.064 | 8.091 | VV | 156032 | 2227097  | 4.83%  | 0.108% |
| 109 | 8.105 | 8.091 | 8.152 | VV | 164843 | 4078314  | 8.84%  | 0.197% |
| 110 | 8.175 | 8.152 | 8.200 | VV | 377847 | 5785644  | 12.54% | 0.280% |
| 111 | 8.209 | 8.200 | 8.225 | VV | 104603 | 1429928  | 3.10%  | 0.069% |
| 112 | 8.236 | 8.225 | 8.252 | VV | 91732  | 1317593  | 2.86%  | 0.064% |
| 113 | 8.290 | 8.252 | 8.304 | VV | 198682 | 3745888  | 8.12%  | 0.181% |
| 114 | 8.317 | 8.304 | 8.331 | VV | 183437 | 2285294  | 4.95%  | 0.110% |
| 115 | 8.353 | 8.331 | 8.379 | VV | 533177 | 6645793  | 14.40% | 0.321% |
| 116 | 8.400 | 8.379 | 8.429 | VV | 113357 | 2599421  | 5.63%  | 0.126% |
| 117 | 8.476 | 8.429 | 8.509 | VV | 543120 | 8214636  | 17.80% | 0.397% |
| 118 | 8.524 | 8.509 | 8.552 | VV | 64683  | 1452983  | 3.15%  | 0.070% |
| 119 | 8.564 | 8.552 | 8.595 | VV | 62338  | 1438911  | 3.12%  | 0.070% |
| 120 | 8.603 | 8.595 | 8.616 | VV | 50270  | 588164   | 1.27%  | 0.028% |
| 121 | 8.634 | 8.616 | 8.651 | VV | 54138  | 1053707  | 2.28%  | 0.051% |
| 122 | 8.673 | 8.651 | 8.697 | VV | 461250 | 5099369  | 11.05% | 0.246% |
| 123 | 8.712 | 8.697 | 8.735 | VV | 50890  | 1071689  | 2.32%  | 0.052% |
| 124 | 8.770 | 8.735 | 8.804 | VV | 562182 | 6893037  | 14.94% | 0.333% |
| 125 | 8.815 | 8.804 | 8.826 | VV | 47519  | 596763   | 1.29%  | 0.029% |
| 126 | 8.835 | 8.826 | 8.851 | VV | 49079  | 660955   | 1.43%  | 0.032% |
| 127 | 8.883 | 8.851 | 8.911 | VV | 136448 | 2303397  | 4.99%  | 0.111% |
| 128 | 8.932 | 8.911 | 8.950 | VV | 44216  | 814916   | 1.77%  | 0.039% |
| 129 | 8.966 | 8.950 | 8.981 | VV | 31517  | 516357   | 1.12%  | 0.025% |
| 130 | 9.000 | 8.981 | 9.018 | VV | 44451  | 761031   | 1.65%  | 0.037% |
| 131 | 9.032 | 9.018 | 9.082 | VV | 38916  | 1056498  | 2.29%  | 0.051% |
| 132 | 9.118 | 9.082 | 9.136 | VV | 31733  | 890365   | 1.93%  | 0.043% |
| 133 | 9.169 | 9.136 | 9.194 | VV | 34009  | 909473   | 1.97%  | 0.044% |
| 134 | 9.209 | 9.194 | 9.230 | VV | 32218  | 518261   | 1.12%  | 0.025% |
| 135 | 9.249 | 9.230 | 9.277 | VV | 22371  | 509274   | 1.10%  | 0.025% |
| 136 | 9.325 | 9.277 | 9.343 | VV | 26208  | 682346   | 1.48%  | 0.033% |
| 137 | 9.357 | 9.343 | 9.381 | VV | 19998  | 359824   | 0.78%  | 0.017% |
| 138 | 9.401 | 9.381 | 9.420 | VV | 14177  | 297137   | 0.64%  | 0.014% |
| 139 | 9.461 | 9.420 | 9.484 | VV | 22495  | 575486   | 1.25%  | 0.028% |
| 140 | 9.498 | 9.484 | 9.514 | VV | 11283  | 176656   | 0.38%  | 0.009% |
| 141 | 9.548 | 9.514 | 9.595 | VV | 504893 | 5746465  | 12.45% | 0.278% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.621  | 9.595  | 9.648  | VV | 24159  | 498981  | 1.08%  | 0.024% |
| 143    | 9.667  | 9.648  | 9.683  | VV | 12702  | 221531  | 0.48%  | 0.011% |
| 144    | 9.699  | 9.683  | 9.710  | VV | 14393  | 191468  | 0.41%  | 0.009% |
| 145    | 9.721  | 9.710  | 9.738  | VV | 14609  | 196750  | 0.43%  | 0.010% |
| 146    | 9.758  | 9.738  | 9.837  | VV | 11570  | 409096  | 0.89%  | 0.020% |
| 147    | 9.862  | 9.837  | 9.877  | VV | 8119   | 157984  | 0.34%  | 0.008% |
| 148    | 9.897  | 9.877  | 9.912  | VV | 11527  | 203309  | 0.44%  | 0.010% |
| 149    | 9.943  | 9.912  | 9.987  | VV | 453617 | 5017866 | 10.88% | 0.243% |
| 150    | 10.004 | 9.987  | 10.033 | VV | 7155   | 164035  | 0.36%  | 0.008% |
| 151    | 10.045 | 10.033 | 10.090 | VV | 5769   | 141622  | 0.31%  | 0.007% |
| 152    | 10.119 | 10.090 | 10.141 | VV | 4339   | 102576  | 0.22%  | 0.005% |
| 153    | 10.147 | 10.141 | 10.199 | VV | 3557   | 105393  | 0.23%  | 0.005% |
| 154    | 10.222 | 10.199 | 10.251 | VV | 4372   | 90658   | 0.20%  | 0.004% |
| 155    | 10.284 | 10.251 | 10.301 | VV | 7509   | 126815  | 0.27%  | 0.006% |
| 156    | 10.328 | 10.301 | 10.357 | VV | 25940  | 380658  | 0.83%  | 0.018% |
| 157    | 10.386 | 10.357 | 10.402 | VV | 4334   | 93741   | 0.20%  | 0.005% |
| 158    | 10.417 | 10.402 | 10.447 | VV | 5442   | 91124   | 0.20%  | 0.004% |
| 159    | 10.471 | 10.447 | 10.509 | VV | 5558   | 106756  | 0.23%  | 0.005% |
| 160    | 10.535 | 10.509 | 10.568 | VV | 2214   | 54301   | 0.12%  | 0.003% |
| 161    | 10.606 | 10.568 | 10.639 | VV | 3014   | 85204   | 0.18%  | 0.004% |
| 162    | 10.678 | 10.639 | 10.694 | VV | 3967   | 93637   | 0.20%  | 0.005% |
| 163    | 10.703 | 10.694 | 10.717 | VV | 2816   | 33790   | 0.07%  | 0.002% |
| 164    | 10.745 | 10.717 | 10.836 | VV | 23305  | 445753  | 0.97%  | 0.022% |
| 165    | 10.843 | 10.836 | 10.854 | VV | 758    | 8602    | 0.02%  | 0.000% |
| 166    | 10.881 | 10.854 | 10.896 | VV | 1018   | 21623   | 0.05%  | 0.001% |
| 167    | 10.946 | 10.896 | 10.978 | VV | 463815 | 4974320 | 10.78% | 0.240% |
| 168    | 11.021 | 10.978 | 11.053 | VV | 452290 | 4885113 | 10.59% | 0.236% |
| 169    | 11.067 | 11.053 | 11.112 | VV | 5408   | 104142  | 0.23%  | 0.005% |
| 170    | 11.127 | 11.112 | 11.142 | VV | 1669   | 19281   | 0.04%  | 0.001% |
| 171    | 11.151 | 11.142 | 11.167 | VV | 1034   | 12312   | 0.03%  | 0.001% |
| 172    | 11.181 | 11.167 | 11.218 | VV | 1440   | 22704   | 0.05%  | 0.001% |
| 173    | 11.240 | 11.218 | 11.270 | VV | 1456   | 25886   | 0.06%  | 0.001% |
| 174    | 11.306 | 11.270 | 11.319 | VV | 1432   | 26841   | 0.06%  | 0.001% |
| 175    | 11.337 | 11.319 | 11.345 | VV | 1496   | 18853   | 0.04%  | 0.001% |
| 176    | 11.378 | 11.345 | 11.438 | VV | 441000 | 4769489 | 10.34% | 0.231% |
| 177    | 11.467 | 11.438 | 11.509 | VV | 10175  | 150752  | 0.33%  | 0.007% |
| 178    | 11.534 | 11.509 | 11.555 | VV | 1471   | 18857   | 0.04%  | 0.001% |
| 179    | 11.571 | 11.555 | 11.586 | PV | 569    | 6920    | 0.01%  | 0.000% |
| 180    | 11.593 | 11.586 | 11.608 | VV | 432    | 3949    | 0.01%  | 0.000% |
| 181    | 11.636 | 11.608 | 11.649 | PV | 919    | 14745   | 0.03%  | 0.001% |
| 182    | 11.703 | 11.649 | 11.730 | VV | 388042 | 4225462 | 9.16%  | 0.204% |
| 183    | 11.742 | 11.730 | 11.756 | VV | 3029   | 39684   | 0.09%  | 0.002% |
| 184    | 11.774 | 11.756 | 11.801 | VV | 4480   | 74723   | 0.16%  | 0.004% |
| 185    | 11.858 | 11.801 | 11.877 | VV | 7705   | 142841  | 0.31%  | 0.007% |
| 186    | 11.891 | 11.877 | 11.907 | VV | 3643   | 50307   | 0.11%  | 0.002% |
| 187    | 11.923 | 11.907 | 11.959 | VV | 3674   | 76072   | 0.16%  | 0.004% |
| 188    | 12.024 | 11.959 | 12.074 | VV | 4494   | 196871  | 0.43%  | 0.010% |
| 189    | 12.080 | 12.074 | 12.098 | VV | 2925   | 39836   | 0.09%  | 0.002% |
| 190    | 12.111 | 12.098 | 12.132 | VV | 3033   | 59090   | 0.13%  | 0.003% |
| 191    | 12.148 | 12.132 | 12.165 | VV | 3338   | 61514   | 0.13%  | 0.003% |
| 192    | 12.175 | 12.165 | 12.191 | VV | 3130   | 45447   | 0.10%  | 0.002% |
| 193    | 12.211 | 12.191 | 12.228 | VV | 4331   | 79895   | 0.17%  | 0.004% |
| 194    | 12.238 | 12.228 | 12.254 | VV | 3324   | 49687   | 0.11%  | 0.002% |

|     |        |        |        |    |        |          |        |        |
|-----|--------|--------|--------|----|--------|----------|--------|--------|
|     |        |        |        |    | rteres |          |        |        |
| 195 | 12.272 | 12.254 | 12.292 | VV | 3541   | 75236    | 0.16%  | 0.004% |
| 196 | 12.313 | 12.292 | 12.331 | VV | 4051   | 85227    | 0.18%  | 0.004% |
| 197 | 12.348 | 12.331 | 12.370 | VV | 3803   | 84578    | 0.18%  | 0.004% |
| 198 | 12.417 | 12.370 | 12.433 | VV | 4420   | 149986   | 0.33%  | 0.007% |
| 199 | 12.455 | 12.433 | 12.483 | VV | 5266   | 138749   | 0.30%  | 0.007% |
| 200 | 12.504 | 12.483 | 12.519 | VV | 4974   | 103196   | 0.22%  | 0.005% |
| 201 | 12.533 | 12.519 | 12.581 | VV | 5790   | 188461   | 0.41%  | 0.009% |
| 202 | 12.606 | 12.581 | 12.621 | VV | 5854   | 129428   | 0.28%  | 0.006% |
| 203 | 12.639 | 12.621 | 12.650 | VV | 7727   | 121560   | 0.26%  | 0.006% |
| 204 | 12.683 | 12.650 | 12.724 | VV | 412105 | 4838616  | 10.49% | 0.234% |
| 205 | 12.760 | 12.724 | 12.819 | VV | 443923 | 5180941  | 11.23% | 0.250% |
| 206 | 12.827 | 12.819 | 12.876 | VV | 7034   | 222619   | 0.48%  | 0.011% |
| 207 | 12.895 | 12.876 | 12.916 | VV | 8569   | 182457   | 0.40%  | 0.009% |
| 208 | 12.943 | 12.916 | 12.981 | VV | 9316   | 305022   | 0.66%  | 0.015% |
| 209 | 13.000 | 12.981 | 13.024 | VV | 8114   | 194005   | 0.42%  | 0.009% |
| 210 | 13.059 | 13.024 | 13.097 | VV | 437101 | 5354660  | 11.61% | 0.259% |
| 211 | 13.127 | 13.097 | 13.161 | VV | 290331 | 3693588  | 8.01%  | 0.179% |
| 212 | 13.174 | 13.161 | 13.216 | VV | 10344  | 309101   | 0.67%  | 0.015% |
| 213 | 13.234 | 13.216 | 13.257 | VV | 9605   | 227724   | 0.49%  | 0.011% |
| 214 | 13.292 | 13.257 | 13.325 | VV | 390402 | 4866005  | 10.55% | 0.235% |
| 215 | 13.335 | 13.325 | 13.357 | VV | 10304  | 198164   | 0.43%  | 0.010% |
| 216 | 13.383 | 13.357 | 13.437 | VV | 10450  | 472327   | 1.02%  | 0.023% |
| 217 | 13.469 | 13.437 | 13.485 | VV | 10556  | 295881   | 0.64%  | 0.014% |
| 218 | 13.514 | 13.485 | 13.541 | VV | 13095  | 391743   | 0.85%  | 0.019% |
| 219 | 13.561 | 13.541 | 13.584 | VV | 11354  | 278359   | 0.60%  | 0.013% |
| 220 | 13.641 | 13.584 | 13.685 | VV | 15331  | 748014   | 1.62%  | 0.036% |
| 221 | 13.710 | 13.685 | 13.726 | VV | 13532  | 310992   | 0.67%  | 0.015% |
| 222 | 13.747 | 13.726 | 13.767 | VV | 15544  | 346549   | 0.75%  | 0.017% |
| 223 | 13.788 | 13.767 | 13.813 | VV | 15173  | 384522   | 0.83%  | 0.019% |
| 224 | 13.826 | 13.813 | 13.842 | VV | 13405  | 229235   | 0.50%  | 0.011% |
| 225 | 13.877 | 13.842 | 13.911 | VV | 380830 | 4957486  | 10.74% | 0.240% |
| 226 | 13.920 | 13.911 | 13.943 | VV | 15764  | 297172   | 0.64%  | 0.014% |
| 227 | 13.960 | 13.943 | 13.992 | VV | 16243  | 432123   | 0.94%  | 0.021% |
| 228 | 14.024 | 13.992 | 14.043 | VV | 14533  | 428753   | 0.93%  | 0.021% |
| 229 | 14.110 | 14.043 | 14.149 | VV | 16409  | 945912   | 2.05%  | 0.046% |
| 230 | 14.172 | 14.149 | 14.210 | VV | 15484  | 564785   | 1.22%  | 0.027% |
| 231 | 14.324 | 14.210 | 14.379 | VV | 28456  | 1827701  | 3.96%  | 0.088% |
| 232 | 14.393 | 14.379 | 14.410 | VV | 17170  | 314636   | 0.68%  | 0.015% |
| 233 | 14.437 | 14.410 | 14.464 | VV | 18963  | 583491   | 1.26%  | 0.028% |
| 234 | 14.503 | 14.464 | 14.527 | VV | 19966  | 704249   | 1.53%  | 0.034% |
| 235 | 14.558 | 14.527 | 14.594 | VV | 20969  | 789332   | 1.71%  | 0.038% |
| 236 | 14.618 | 14.594 | 14.649 | VV | 22929  | 671443   | 1.46%  | 0.032% |
| 237 | 14.668 | 14.649 | 14.694 | VV | 19662  | 529612   | 1.15%  | 0.026% |
| 238 | 14.712 | 14.694 | 14.761 | VV | 20566  | 802177   | 1.74%  | 0.039% |
| 239 | 14.811 | 14.761 | 14.847 | VV | 20578  | 1029403  | 2.23%  | 0.050% |
| 240 | 14.883 | 14.847 | 14.899 | VV | 24749  | 702233   | 1.52%  | 0.034% |
| 241 | 14.932 | 14.899 | 14.950 | VV | 379088 | 4985463  | 10.81% | 0.241% |
| 242 | 14.975 | 14.950 | 15.068 | VV | 755459 | 10254262 | 22.22% | 0.496% |
| 243 | 15.090 | 15.068 | 15.141 | VV | 25245  | 1030033  | 2.23%  | 0.050% |
| 244 | 15.159 | 15.141 | 15.167 | VV | 23461  | 368580   | 0.80%  | 0.018% |
| 245 | 15.178 | 15.167 | 15.204 | VV | 23427  | 511493   | 1.11%  | 0.025% |
| 246 | 15.232 | 15.204 | 15.268 | VV | 24794  | 924920   | 2.00%  | 0.045% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 15.314 | 15.268 | 15.337 | VV | 24985  | 1016913 | 2.20%  | 0.049% |
| 248    | 15.367 | 15.337 | 15.463 | VV | 40612  | 2251587 | 4.88%  | 0.109% |
| 249    | 15.492 | 15.463 | 15.509 | VV | 29871  | 750355  | 1.63%  | 0.036% |
| 250    | 15.515 | 15.509 | 15.534 | VV | 28882  | 426230  | 0.92%  | 0.021% |
|        |        |        |        |    |        |         |        |        |
| 251    | 15.544 | 15.534 | 15.561 | VV | 28447  | 461436  | 1.00%  | 0.022% |
| 252    | 15.596 | 15.561 | 15.622 | VV | 29093  | 1009486 | 2.19%  | 0.049% |
| 253    | 15.635 | 15.622 | 15.653 | VV | 27070  | 502360  | 1.09%  | 0.024% |
| 254    | 15.682 | 15.653 | 15.701 | VV | 28073  | 780387  | 1.69%  | 0.038% |
| 255    | 15.757 | 15.701 | 15.789 | VV | 31025  | 1549713 | 3.36%  | 0.075% |
|        |        |        |        |    |        |         |        |        |
| 256    | 15.805 | 15.789 | 15.824 | VV | 30523  | 637049  | 1.38%  | 0.031% |
| 257    | 15.838 | 15.824 | 15.861 | VV | 30268  | 641332  | 1.39%  | 0.031% |
| 258    | 15.878 | 15.861 | 15.903 | VV | 29551  | 747910  | 1.62%  | 0.036% |
| 259    | 15.924 | 15.903 | 15.942 | VV | 30182  | 680642  | 1.48%  | 0.033% |
| 260    | 15.995 | 15.942 | 16.072 | VV | 347162 | 6499351 | 14.09% | 0.314% |
|        |        |        |        |    |        |         |        |        |
| 261    | 16.093 | 16.072 | 16.113 | VV | 31006  | 747806  | 1.62%  | 0.036% |
| 262    | 16.123 | 16.113 | 16.142 | VV | 30543  | 524399  | 1.14%  | 0.025% |
| 263    | 16.167 | 16.142 | 16.178 | VV | 31023  | 660587  | 1.43%  | 0.032% |
| 264    | 16.224 | 16.178 | 16.252 | VV | 32556  | 1407517 | 3.05%  | 0.068% |
| 265    | 16.303 | 16.252 | 16.345 | VV | 34400  | 1843910 | 4.00%  | 0.089% |
|        |        |        |        |    |        |         |        |        |
| 266    | 16.380 | 16.345 | 16.415 | VV | 34419  | 1406416 | 3.05%  | 0.068% |
| 267    | 16.427 | 16.415 | 16.442 | VV | 34195  | 557906  | 1.21%  | 0.027% |
| 268    | 16.488 | 16.442 | 16.504 | VV | 372491 | 5878547 | 12.74% | 0.284% |
| 269    | 16.521 | 16.504 | 16.596 | VV | 394607 | 6106209 | 13.23% | 0.295% |
| 270    | 16.617 | 16.596 | 16.659 | VV | 37362  | 1349450 | 2.92%  | 0.065% |
|        |        |        |        |    |        |         |        |        |
| 271    | 16.702 | 16.659 | 16.727 | VV | 36488  | 1461439 | 3.17%  | 0.071% |
| 272    | 16.806 | 16.727 | 16.834 | VV | 52561  | 2491080 | 5.40%  | 0.120% |
| 273    | 16.870 | 16.834 | 16.903 | VV | 357629 | 5642011 | 12.23% | 0.273% |
| 274    | 16.942 | 16.903 | 17.007 | VV | 362837 | 6466009 | 14.01% | 0.313% |
| 275    | 17.022 | 17.007 | 17.041 | VV | 37948  | 758807  | 1.64%  | 0.037% |
|        |        |        |        |    |        |         |        |        |
| 276    | 17.062 | 17.041 | 17.086 | VV | 37479  | 1002341 | 2.17%  | 0.048% |
| 277    | 17.105 | 17.086 | 17.122 | VV | 37604  | 816817  | 1.77%  | 0.039% |
| 278    | 17.125 | 17.122 | 17.137 | VV | 37491  | 327094  | 0.71%  | 0.016% |
| 279    | 17.172 | 17.137 | 17.196 | VV | 39020  | 1356011 | 2.94%  | 0.066% |
| 280    | 17.225 | 17.196 | 17.246 | VV | 39496  | 1139501 | 2.47%  | 0.055% |
|        |        |        |        |    |        |         |        |        |
| 281    | 17.261 | 17.246 | 17.300 | VV | 39300  | 1251355 | 2.71%  | 0.060% |
| 282    | 17.323 | 17.300 | 17.352 | VV | 38760  | 1203925 | 2.61%  | 0.058% |
| 283    | 17.389 | 17.352 | 17.431 | VV | 54596  | 2048230 | 4.44%  | 0.099% |
| 284    | 17.443 | 17.431 | 17.459 | VV | 38709  | 629333  | 1.36%  | 0.030% |
| 285    | 17.481 | 17.459 | 17.491 | VV | 39236  | 737007  | 1.60%  | 0.036% |
|        |        |        |        |    |        |         |        |        |
| 286    | 17.517 | 17.491 | 17.545 | VV | 42559  | 1325545 | 2.87%  | 0.064% |
| 287    | 17.560 | 17.545 | 17.582 | VV | 39576  | 868759  | 1.88%  | 0.042% |
| 288    | 17.639 | 17.582 | 17.647 | VV | 39698  | 1521822 | 3.30%  | 0.074% |
| 289    | 17.666 | 17.647 | 17.721 | VV | 41770  | 1749170 | 3.79%  | 0.085% |
| 290    | 17.774 | 17.721 | 17.788 | VV | 40492  | 1617289 | 3.51%  | 0.078% |
|        |        |        |        |    |        |         |        |        |
| 291    | 17.827 | 17.788 | 17.882 | VV | 343931 | 6328105 | 13.71% | 0.306% |
| 292    | 17.914 | 17.882 | 17.937 | VV | 41726  | 1339244 | 2.90%  | 0.065% |
| 293    | 17.959 | 17.937 | 17.974 | VV | 41198  | 896175  | 1.94%  | 0.043% |
| 294    | 17.985 | 17.974 | 17.997 | VV | 40758  | 567229  | 1.23%  | 0.027% |
| 295    | 18.014 | 17.997 | 18.038 | VV | 41063  | 994805  | 2.16%  | 0.048% |
|        |        |        |        |    |        |         |        |        |
| 296    | 18.067 | 18.038 | 18.075 | VV | 41299  | 912815  | 1.98%  | 0.044% |
| 297    | 18.095 | 18.075 | 18.124 | VV | 42188  | 1226952 | 2.66%  | 0.059% |
| 298    | 18.143 | 18.124 | 18.171 | VV | 44149  | 1216338 | 2.64%  | 0.059% |
| 299    | 18.241 | 18.171 | 18.256 | VV | 354206 | 6742304 | 14.61% | 0.326% |

|     |        |        |        |     |                                    |         |        |        |
|-----|--------|--------|--------|-----|------------------------------------|---------|--------|--------|
|     |        |        |        |     |                                    | rteres  |        |        |
| 300 | 18.276 | 18.256 | 18.346 | VV  | 366008                             | 6441895 | 13.96% | 0.311% |
| 301 | 18.361 | 18.346 | 18.383 | VV  | 44161                              | 973904  | 2.11%  | 0.047% |
| 302 | 18.398 | 18.383 | 18.441 | VV  | 43889                              | 1487615 | 3.22%  | 0.072% |
| 303 | 18.499 | 18.441 | 18.594 | VV  | 358436                             | 8364511 | 18.13% | 0.404% |
| 304 | 18.656 | 18.594 | 18.736 | VV  | 329063                             | 7624914 | 16.53% | 0.369% |
| 305 | 18.755 | 18.736 | 18.774 | VV  | 44752                              | 1013644 | 2.20%  | 0.049% |
| 306 | 18.782 | 18.774 | 18.794 | VV  | 43938                              | 525762  | 1.14%  | 0.025% |
| 307 | 18.835 | 18.794 | 18.872 | VV  | 44451                              | 2065564 | 4.48%  | 0.100% |
| 308 | 18.923 | 18.872 | 18.979 | VV  | 45131                              | 2870306 | 6.22%  | 0.139% |
| 309 | 19.048 | 18.979 | 19.116 | VV  | 52508                              | 3927200 | 8.51%  | 0.190% |
| 310 | 19.205 | 19.116 | 19.231 | VV  | 47612                              | 3216083 | 6.97%  | 0.155% |
| 311 | 19.255 | 19.231 | 19.287 | VV  | 47371                              | 1591018 | 3.45%  | 0.077% |
| 312 | 19.301 | 19.287 | 19.323 | VV  | 46621                              | 986996  | 2.14%  | 0.048% |
| 313 | 19.346 | 19.323 | 19.391 | VV  | 47060                              | 1909901 | 4.14%  | 0.092% |
| 314 | 19.438 | 19.391 | 19.490 | VV  | 310061                             | 6620724 | 14.35% | 0.320% |
| 315 | 19.511 | 19.490 | 19.530 | VV  | 50406                              | 1198221 | 2.60%  | 0.058% |
| 316 | 19.546 | 19.530 | 19.596 | VV  | 49866                              | 1931499 | 4.19%  | 0.093% |
| 317 | 19.642 | 19.596 | 19.681 | VV  | 51680                              | 2577934 | 5.59%  | 0.125% |
| 318 | 19.718 | 19.681 | 19.759 | VV  | 53626                              | 2420232 | 5.25%  | 0.117% |
| 319 | 19.809 | 19.759 | 19.854 | VV  | 55925                              | 3033130 | 6.57%  | 0.147% |
| 320 | 19.857 | 19.854 | 19.882 | VV  | 52739                              | 891319  | 1.93%  | 0.043% |
| 321 | 19.929 | 19.882 | 19.953 | VV  | 53177                              | 2232865 | 4.84%  | 0.108% |
| 322 | 20.022 | 19.953 | 20.052 | VV  | 57705                              | 3284693 | 7.12%  | 0.159% |
| 323 | 20.064 | 20.052 | 20.108 | VV  | 56478                              | 1890963 | 4.10%  | 0.091% |
| 324 | 20.175 | 20.108 | 20.242 | VV  | 303826                             | 8139648 | 17.64% | 0.393% |
| 325 | 20.345 | 20.242 | 20.364 | VV  | 63129                              | 4329844 | 9.38%  | 0.209% |
| 326 | 20.387 | 20.364 | 20.476 | VV  | 62250                              | 4084092 | 8.85%  | 0.197% |
| 327 | 20.532 | 20.476 | 20.583 | VV  | 61620                              | 3889777 | 8.43%  | 0.188% |
| 328 | 20.591 | 20.583 | 20.609 | VV  | 60171                              | 943189  | 2.04%  | 0.046% |
| 329 | 20.691 | 20.609 | 20.831 | VV  | 61944                              | 8099333 | 17.55% | 0.391% |
| 330 | 20.839 | 20.831 | 20.872 | VV  | 60934                              | 1514275 | 3.28%  | 0.073% |
| 331 | 20.925 | 20.872 | 21.019 | VV  | 252805                             | 8784499 | 19.04% | 0.425% |
| 332 | 21.078 | 21.019 | 21.147 | VV  | 61388                              | 4717990 | 10.23% | 0.228% |
| 333 | 21.171 | 21.147 | 21.206 | VV  | 61357                              | 2148104 | 4.66%  | 0.104% |
| 334 | 21.240 | 21.206 | 21.312 | VV  | 62079                              | 3913249 | 8.48%  | 0.189% |
| 335 | 21.364 | 21.312 | 21.417 | VV  | 62687                              | 3934683 | 8.53%  | 0.190% |
| 336 | 21.458 | 21.417 | 21.465 | VV  | 62578                              | 1776121 | 3.85%  | 0.086% |
| 337 | 21.472 | 21.465 | 21.490 | VV  | 62645                              | 933908  | 2.02%  | 0.045% |
| 338 | 21.497 | 21.490 | 21.530 | VV  | 62665                              | 1526403 | 3.31%  | 0.074% |
| 339 | 21.541 | 21.530 | 21.586 | VV  | 62492                              | 2076573 | 4.50%  | 0.100% |
| 340 | 21.611 | 21.586 | 21.672 | VV  | 62672                              | 3246013 | 7.04%  | 0.157% |
| 341 | 21.687 | 21.672 | 21.749 | VV  | 62842                              | 2886618 | 6.26%  | 0.140% |
| 342 | 21.790 | 21.749 | 21.800 | VV  | 63307                              | 1931242 | 4.19%  | 0.093% |
| 343 | 21.866 | 21.800 | 21.957 | VV  | 213195                             | 9532103 | 20.66% | 0.461% |
| 344 | 21.973 | 21.957 | 22.001 | VBA | 64271                              | 1631172 | 3.54%  | 0.079% |
|     |        |        |        |     | Sum of corrected areas: 2069064272 |         |        |        |

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