

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE061924AL\  
 Data File : FE048794.D  
 Signal(s) : FID1B.ch  
 Acq On : 19 Jun 2024 19:12  
 Sample : P2952-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 052524.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         | 3.176       | 3.121        | 3.211      | BV       | 789            | 10133        | 0.01%          | 0.000%        |
| 2         | 3.221       | 3.211        | 3.269      | VV       | 280            | 3643         | 0.00%          | 0.000%        |
| 3         | 3.280       | 3.269        | 3.302      | PV       | 98             | 997          | 0.00%          | 0.000%        |
| 4         | 3.320       | 3.302        | 3.349      | VV       | 253            | 2774         | 0.00%          | 0.000%        |
| 5         | 3.357       | 3.349        | 3.366      | VV       | 72             | 609          | 0.00%          | 0.000%        |
| 6         | 3.380       | 3.366        | 3.418      | VV       | 151            | 2340         | 0.00%          | 0.000%        |
| 7         | 3.429       | 3.418        | 3.438      | PV       | 142            | 1321         | 0.00%          | 0.000%        |
| 8         | 3.459       | 3.438        | 3.481      | VV       | 203            | 3938         | 0.00%          | 0.000%        |
| 9         | 3.488       | 3.481        | 3.496      | VV       | 164            | 1167         | 0.00%          | 0.000%        |
| 10        | 3.502       | 3.496        | 3.518      | VV       | 122            | 1399         | 0.00%          | 0.000%        |
| 11        | 3.539       | 3.518        | 3.589      | VV       | 224            | 5635         | 0.00%          | 0.000%        |
| 12        | 3.601       | 3.589        | 3.615      | VV       | 132            | 1443         | 0.00%          | 0.000%        |
| 13        | 3.633       | 3.615        | 3.647      | VV       | 180            | 2688         | 0.00%          | 0.000%        |
| 14        | 3.674       | 3.647        | 3.748      | VV       | 4319           | 49005        | 0.03%          | 0.001%        |
| 15        | 3.766       | 3.748        | 3.779      | VV       | 558            | 7028         | 0.00%          | 0.000%        |
| 16        | 3.795       | 3.779        | 3.853      | VV       | 1005           | 15366        | 0.01%          | 0.000%        |
| 17        | 3.910       | 3.853        | 3.945      | VV       | 784            | 14513        | 0.01%          | 0.000%        |
| 18        | 3.951       | 3.945        | 3.978      | VV       | 95             | 1554         | 0.00%          | 0.000%        |
| 19        | 4.003       | 3.978        | 4.019      | VV       | 235            | 3974         | 0.00%          | 0.000%        |
| 20        | 4.031       | 4.019        | 4.068      | VV       | 200            | 3607         | 0.00%          | 0.000%        |
| 21        | 4.082       | 4.068        | 4.091      | PV       | 86             | 615          | 0.00%          | 0.000%        |
| 22        | 4.119       | 4.091        | 4.129      | VV       | 431            | 5671         | 0.00%          | 0.000%        |
| 23        | 4.155       | 4.129        | 4.194      | VV       | 1198           | 20318        | 0.01%          | 0.000%        |
| 24        | 4.211       | 4.194        | 4.253      | VV       | 280            | 5699         | 0.00%          | 0.000%        |
| 25        | 4.292       | 4.253        | 4.448      | VV       | 3689           | 81965        | 0.06%          | 0.001%        |
| 26        | 4.462       | 4.448        | 4.497      | VV       | 152            | 3102         | 0.00%          | 0.000%        |
| 27        | 4.510       | 4.497        | 4.549      | PV       | 145            | 1958         | 0.00%          | 0.000%        |
| 28        | 4.567       | 4.549        | 4.631      | VV       | 279            | 10235        | 0.01%          | 0.000%        |
| 29        | 4.650       | 4.631        | 4.664      | VV       | 255            | 3825         | 0.00%          | 0.000%        |
| 30        | 4.685       | 4.664        | 4.713      | VV       | 572            | 9757         | 0.01%          | 0.000%        |
| 31        | 4.738       | 4.713        | 4.755      | VV       | 424            | 5327         | 0.00%          | 0.000%        |

|    |       |       |       |    |        |        |       |        |
|----|-------|-------|-------|----|--------|--------|-------|--------|
|    |       |       |       |    | rteres |        |       |        |
| 32 | 4.794 | 4.755 | 4.898 | VV | 2150   | 50862  | 0.04% | 0.001% |
| 33 | 4.910 | 4.898 | 4.922 | VV | 233    | 2655   | 0.00% | 0.000% |
| 34 | 4.944 | 4.922 | 4.963 | VV | 374    | 6733   | 0.00% | 0.000% |
| 35 | 4.972 | 4.963 | 4.978 | VV | 279    | 2237   | 0.00% | 0.000% |
| 36 | 4.986 | 4.978 | 5.004 | VV | 295    | 3199   | 0.00% | 0.000% |
| 37 | 5.014 | 5.004 | 5.035 | VV | 191    | 2676   | 0.00% | 0.000% |
| 38 | 5.054 | 5.035 | 5.063 | VV | 181    | 2664   | 0.00% | 0.000% |
| 39 | 5.082 | 5.063 | 5.103 | VV | 574    | 7415   | 0.01% | 0.000% |
| 40 | 5.122 | 5.103 | 5.132 | VV | 243    | 2339   | 0.00% | 0.000% |
| 41 | 5.140 | 5.132 | 5.168 | VV | 183    | 2079   | 0.00% | 0.000% |
| 42 | 5.225 | 5.168 | 5.254 | PV | 852    | 13713  | 0.01% | 0.000% |
| 43 | 5.273 | 5.254 | 5.298 | VV | 472    | 6874   | 0.00% | 0.000% |
| 44 | 5.325 | 5.298 | 5.337 | VV | 458    | 7036   | 0.00% | 0.000% |
| 45 | 5.353 | 5.337 | 5.375 | VV | 845    | 10658  | 0.01% | 0.000% |
| 46 | 5.391 | 5.375 | 5.425 | VV | 449    | 8969   | 0.01% | 0.000% |
| 47 | 5.454 | 5.425 | 5.471 | PV | 480    | 6402   | 0.00% | 0.000% |
| 48 | 5.486 | 5.471 | 5.496 | VV | 273    | 3363   | 0.00% | 0.000% |
| 49 | 5.515 | 5.496 | 5.537 | VV | 1215   | 15435  | 0.01% | 0.000% |
| 50 | 5.576 | 5.537 | 5.604 | VV | 2582   | 38793  | 0.03% | 0.001% |
| 51 | 5.637 | 5.604 | 5.674 | VV | 423    | 9388   | 0.01% | 0.000% |
| 52 | 5.722 | 5.674 | 5.734 | PV | 1656   | 22077  | 0.02% | 0.000% |
| 53 | 5.756 | 5.734 | 5.797 | VV | 3356   | 57752  | 0.04% | 0.001% |
| 54 | 5.829 | 5.797 | 5.848 | VV | 641    | 9366   | 0.01% | 0.000% |
| 55 | 5.895 | 5.848 | 5.930 | VV | 2673   | 45491  | 0.03% | 0.001% |
| 56 | 5.973 | 5.930 | 5.990 | PV | 844    | 16943  | 0.01% | 0.000% |
| 57 | 6.020 | 5.990 | 6.048 | VV | 612    | 14095  | 0.01% | 0.000% |
| 58 | 6.075 | 6.048 | 6.087 | VV | 1261   | 14985  | 0.01% | 0.000% |
| 59 | 6.099 | 6.087 | 6.107 | VV | 1116   | 11367  | 0.01% | 0.000% |
| 60 | 6.118 | 6.107 | 6.180 | VV | 1158   | 23925  | 0.02% | 0.000% |
| 61 | 6.241 | 6.180 | 6.263 | PV | 4621   | 60340  | 0.04% | 0.001% |
| 62 | 6.281 | 6.263 | 6.301 | VV | 3902   | 43622  | 0.03% | 0.001% |
| 63 | 6.328 | 6.301 | 6.358 | VV | 1723   | 37725  | 0.03% | 0.001% |
| 64 | 6.378 | 6.358 | 6.405 | VV | 4266   | 51784  | 0.04% | 0.001% |
| 65 | 6.429 | 6.405 | 6.448 | VV | 4812   | 56652  | 0.04% | 0.001% |
| 66 | 6.474 | 6.448 | 6.496 | VV | 2316   | 50283  | 0.04% | 0.001% |
| 67 | 6.528 | 6.496 | 6.546 | VV | 3861   | 65030  | 0.05% | 0.001% |
| 68 | 6.562 | 6.546 | 6.589 | VV | 2452   | 35860  | 0.03% | 0.001% |
| 69 | 6.603 | 6.589 | 6.613 | VV | 1015   | 14047  | 0.01% | 0.000% |
| 70 | 6.653 | 6.613 | 6.667 | VV | 5098   | 108182 | 0.08% | 0.002% |
| 71 | 6.682 | 6.667 | 6.699 | VV | 7269   | 97617  | 0.07% | 0.002% |
| 72 | 6.708 | 6.699 | 6.727 | VV | 3546   | 47280  | 0.03% | 0.001% |
| 73 | 6.740 | 6.727 | 6.757 | VV | 2044   | 30956  | 0.02% | 0.001% |
| 74 | 6.781 | 6.757 | 6.804 | VV | 5676   | 88650  | 0.06% | 0.002% |
| 75 | 6.826 | 6.804 | 6.847 | VV | 8148   | 134610 | 0.09% | 0.002% |
| 76 | 6.865 | 6.847 | 6.880 | VV | 14222  | 189136 | 0.13% | 0.003% |
| 77 | 6.890 | 6.880 | 6.908 | VV | 8801   | 120920 | 0.08% | 0.002% |
| 78 | 6.931 | 6.908 | 6.955 | VV | 7822   | 159346 | 0.11% | 0.003% |
| 79 | 7.003 | 6.955 | 7.032 | VV | 9455   | 250115 | 0.17% | 0.004% |

|     |       |       |       |    |                 |          |        |        |
|-----|-------|-------|-------|----|-----------------|----------|--------|--------|
| 80  | 7.070 | 7.032 | 7.091 | VV | rteres<br>11206 | 273492   | 0.19%  | 0.005% |
| 81  | 7.106 | 7.091 | 7.121 | VV | 10432           | 152689   | 0.11%  | 0.003% |
| 82  | 7.145 | 7.121 | 7.165 | VV | 16332           | 298285   | 0.21%  | 0.005% |
| 83  | 7.175 | 7.165 | 7.185 | VV | 9259            | 102259   | 0.07%  | 0.002% |
| 84  | 7.208 | 7.185 | 7.225 | VV | 17674           | 302497   | 0.21%  | 0.005% |
| 85  | 7.242 | 7.225 | 7.256 | VV | 16119           | 247083   | 0.17%  | 0.004% |
| 86  | 7.312 | 7.256 | 7.333 | VV | 22902           | 766716   | 0.54%  | 0.013% |
| 87  | 7.367 | 7.333 | 7.385 | VV | 20660           | 525055   | 0.37%  | 0.009% |
| 88  | 7.405 | 7.385 | 7.438 | VV | 24645           | 642444   | 0.45%  | 0.011% |
| 89  | 7.458 | 7.438 | 7.499 | VV | 28510           | 815684   | 0.57%  | 0.014% |
| 90  | 7.511 | 7.499 | 7.520 | VV | 17423           | 210535   | 0.15%  | 0.004% |
| 91  | 7.560 | 7.520 | 7.574 | VV | 32190           | 807282   | 0.56%  | 0.014% |
| 92  | 7.587 | 7.574 | 7.617 | VV | 28332           | 686161   | 0.48%  | 0.012% |
| 93  | 7.636 | 7.617 | 7.650 | VV | 33982           | 575607   | 0.40%  | 0.010% |
| 94  | 7.666 | 7.650 | 7.679 | VV | 40550           | 629775   | 0.44%  | 0.011% |
| 95  | 7.693 | 7.679 | 7.710 | VV | 41099           | 692207   | 0.48%  | 0.012% |
| 96  | 7.754 | 7.710 | 7.766 | VV | 41087           | 1242589  | 0.87%  | 0.022% |
| 97  | 7.774 | 7.766 | 7.785 | VV | 38701           | 429605   | 0.30%  | 0.007% |
| 98  | 7.813 | 7.785 | 7.820 | VV | 42807           | 839796   | 0.59%  | 0.015% |
| 99  | 7.870 | 7.820 | 7.898 | VV | 60246           | 2452785  | 1.71%  | 0.042% |
| 100 | 7.915 | 7.898 | 7.927 | VV | 49147           | 788728   | 0.55%  | 0.014% |
| 101 | 8.003 | 7.927 | 8.050 | VV | 704717          | 11287997 | 7.89%  | 0.195% |
| 102 | 8.069 | 8.050 | 8.090 | VV | 88857           | 1813783  | 1.27%  | 0.031% |
| 103 | 8.121 | 8.090 | 8.139 | VV | 117948          | 2724822  | 1.90%  | 0.047% |
| 104 | 8.170 | 8.139 | 8.189 | VV | 113612          | 2962699  | 2.07%  | 0.051% |
| 105 | 8.264 | 8.189 | 8.281 | VV | 134787          | 5894672  | 4.12%  | 0.102% |
| 106 | 8.303 | 8.281 | 8.344 | VV | 205459          | 5666231  | 3.96%  | 0.098% |
| 107 | 8.369 | 8.344 | 8.386 | VV | 172469          | 3739077  | 2.61%  | 0.065% |
| 108 | 8.408 | 8.386 | 8.423 | VV | 166112          | 3491672  | 2.44%  | 0.060% |
| 109 | 8.449 | 8.423 | 8.478 | VV | 209099          | 5882862  | 4.11%  | 0.102% |
| 110 | 8.516 | 8.478 | 8.526 | VV | 195068          | 5359615  | 3.75%  | 0.093% |
| 111 | 8.555 | 8.526 | 8.566 | VV | 258103          | 5457973  | 3.81%  | 0.094% |
| 112 | 8.579 | 8.566 | 8.598 | VV | 262577          | 4751658  | 3.32%  | 0.082% |
| 113 | 8.651 | 8.598 | 8.669 | VV | 281983          | 10707288 | 7.48%  | 0.185% |
| 114 | 8.678 | 8.669 | 8.688 | VV | 263313          | 2880597  | 2.01%  | 0.050% |
| 115 | 8.733 | 8.688 | 8.776 | VV | 484207          | 18756765 | 13.11% | 0.325% |
| 116 | 8.836 | 8.776 | 8.855 | VV | 419716          | 17607728 | 12.30% | 0.305% |
| 117 | 8.886 | 8.855 | 8.905 | VV | 709197          | 14922860 | 10.43% | 0.258% |
| 118 | 8.937 | 8.905 | 8.947 | VV | 471403          | 11243252 | 7.86%  | 0.195% |
| 119 | 8.968 | 8.947 | 8.991 | VV | 567574          | 13530524 | 9.46%  | 0.234% |
| 120 | 9.037 | 8.991 | 9.057 | VV | 782888          | 23388927 | 16.34% | 0.405% |
| 121 | 9.075 | 9.057 | 9.085 | VV | 661620          | 10608900 | 7.41%  | 0.184% |
| 122 | 9.103 | 9.085 | 9.130 | VV | 867354          | 18568916 | 12.98% | 0.321% |
| 123 | 9.146 | 9.130 | 9.158 | VV | 598049          | 9611305  | 6.72%  | 0.166% |
| 124 | 9.204 | 9.158 | 9.222 | VV | 779823          | 25505681 | 17.82% | 0.441% |
| 125 | 9.235 | 9.222 | 9.244 | VV | 716607          | 9358335  | 6.54%  | 0.162% |
| 126 | 9.270 | 9.244 | 9.291 | VV | 772064          | 20394987 | 14.25% | 0.353% |

| rteres |        |        |        |    |         |           |        |        |
|--------|--------|--------|--------|----|---------|-----------|--------|--------|
| 127    | 9.329  | 9.291  | 9.376  | VV | 837777  | 38066260  | 26.60% | 0.659% |
| 128    | 9.397  | 9.376  | 9.411  | VV | 741436  | 15276650  | 10.68% | 0.264% |
| 129    | 9.428  | 9.411  | 9.437  | VV | 761773  | 11600600  | 8.11%  | 0.201% |
| 130    | 9.456  | 9.437  | 9.465  | VV | 797928  | 13041332  | 9.11%  | 0.226% |
|        |        |        |        |    |         |           |        |        |
| 131    | 9.497  | 9.465  | 9.523  | VV | 898688  | 29073588  | 20.32% | 0.503% |
| 132    | 9.545  | 9.523  | 9.559  | VV | 871909  | 17959320  | 12.55% | 0.311% |
| 133    | 9.567  | 9.559  | 9.587  | VV | 851419  | 14100451  | 9.85%  | 0.244% |
| 134    | 9.622  | 9.587  | 9.678  | VV | 984955  | 49944953  | 34.90% | 0.864% |
| 135    | 9.724  | 9.678  | 9.741  | VV | 1041134 | 36708643  | 25.65% | 0.635% |
|        |        |        |        |    |         |           |        |        |
| 136    | 9.809  | 9.741  | 9.839  | VV | 1459616 | 65995140  | 46.12% | 1.142% |
| 137    | 9.884  | 9.839  | 9.913  | VV | 1145039 | 47873909  | 33.46% | 0.828% |
| 138    | 9.979  | 9.913  | 10.006 | VV | 1174748 | 62518563  | 43.69% | 1.082% |
| 139    | 10.051 | 10.006 | 10.076 | VV | 1202412 | 48927535  | 34.19% | 0.847% |
| 140    | 10.116 | 10.076 | 10.126 | VV | 1210161 | 35460866  | 24.78% | 0.614% |
|        |        |        |        |    |         |           |        |        |
| 141    | 10.162 | 10.126 | 10.191 | VV | 1347013 | 48648764  | 34.00% | 0.842% |
| 142    | 10.212 | 10.191 | 10.228 | VV | 1306222 | 27710769  | 19.36% | 0.480% |
| 143    | 10.251 | 10.228 | 10.271 | VV | 1316622 | 33231259  | 23.22% | 0.575% |
| 144    | 10.301 | 10.271 | 10.348 | VV | 1353121 | 60171145  | 42.05% | 1.041% |
| 145    | 10.388 | 10.348 | 10.421 | VV | 1387222 | 58590908  | 40.94% | 1.014% |
|        |        |        |        |    |         |           |        |        |
| 146    | 10.441 | 10.421 | 10.458 | VV | 1436182 | 31330178  | 21.89% | 0.542% |
| 147    | 10.473 | 10.458 | 10.491 | VV | 1445158 | 28507807  | 19.92% | 0.493% |
| 148    | 10.519 | 10.491 | 10.538 | VV | 1455531 | 40416552  | 28.24% | 0.699% |
| 149    | 10.559 | 10.538 | 10.573 | VV | 1508658 | 31201544  | 21.80% | 0.540% |
| 150    | 10.599 | 10.573 | 10.620 | VV | 1656882 | 43254616  | 30.23% | 0.749% |
|        |        |        |        |    |         |           |        |        |
| 151    | 10.661 | 10.620 | 10.671 | VV | 1628440 | 48643409  | 33.99% | 0.842% |
| 152    | 10.688 | 10.671 | 10.708 | VV | 1625676 | 35089516  | 24.52% | 0.607% |
| 153    | 10.745 | 10.708 | 10.774 | VV | 1839538 | 65503049  | 45.77% | 1.134% |
| 154    | 10.794 | 10.774 | 10.810 | VV | 1623140 | 34370673  | 24.02% | 0.595% |
| 155    | 10.851 | 10.810 | 10.870 | VV | 1737815 | 61102467  | 42.70% | 1.057% |
|        |        |        |        |    |         |           |        |        |
| 156    | 10.881 | 10.870 | 10.904 | VV | 1704933 | 33475948  | 23.39% | 0.579% |
| 157    | 10.948 | 10.904 | 10.970 | VV | 1759796 | 66596053  | 46.54% | 1.152% |
| 158    | 11.022 | 10.970 | 11.048 | VV | 1924407 | 85918960  | 60.04% | 1.487% |
| 159    | 11.066 | 11.048 | 11.135 | VV | 1870033 | 94401531  | 65.97% | 1.634% |
| 160    | 11.155 | 11.135 | 11.170 | VV | 1835506 | 36887158  | 25.78% | 0.638% |
|        |        |        |        |    |         |           |        |        |
| 161    | 11.199 | 11.170 | 11.216 | VV | 1977223 | 53167473  | 37.15% | 0.920% |
| 162    | 11.229 | 11.216 | 11.255 | VV | 1937348 | 43441118  | 30.36% | 0.752% |
| 163    | 11.283 | 11.255 | 11.314 | VV | 1904722 | 65756291  | 45.95% | 1.138% |
| 164    | 11.337 | 11.314 | 11.347 | VV | 1893239 | 37355637  | 26.10% | 0.646% |
| 165    | 11.368 | 11.347 | 11.407 | VV | 1973959 | 68034650  | 47.54% | 1.177% |
|        |        |        |        |    |         |           |        |        |
| 166    | 11.444 | 11.407 | 11.459 | VV | 2006692 | 60299758  | 42.14% | 1.044% |
| 167    | 11.509 | 11.459 | 11.525 | VV | 1985197 | 76903074  | 53.74% | 1.331% |
| 168    | 11.554 | 11.525 | 11.577 | VV | 1985940 | 60990583  | 42.62% | 1.055% |
| 169    | 11.607 | 11.577 | 11.633 | VV | 2054910 | 67491955  | 47.16% | 1.168% |
| 170    | 11.645 | 11.633 | 11.671 | VV | 1993626 | 44866964  | 31.35% | 0.776% |
|        |        |        |        |    |         |           |        |        |
| 171    | 11.687 | 11.671 | 11.714 | VV | 1958669 | 49484095  | 34.58% | 0.856% |
| 172    | 11.748 | 11.714 | 11.799 | VV | 2110007 | 100337487 | 70.12% | 1.736% |
| 173    | 11.820 | 11.799 | 11.852 | VV | 1990022 | 61639024  | 43.07% | 1.067% |
| 174    | 11.872 | 11.852 | 11.878 | VV | 1906340 | 29435926  | 20.57% | 0.509% |

|     |        |        |        |    |         |           |         |        |
|-----|--------|--------|--------|----|---------|-----------|---------|--------|
|     |        |        |        |    | rteres  |           |         |        |
| 175 | 11.913 | 11.878 | 11.927 | VV | 1973866 | 57189359  | 39.97%  | 0.990% |
| 176 | 11.974 | 11.927 | 12.002 | VV | 2407345 | 93571648  | 65.39%  | 1.619% |
| 177 | 12.034 | 12.002 | 12.055 | VV | 1983992 | 60726078  | 42.44%  | 1.051% |
| 178 | 12.065 | 12.055 | 12.097 | VV | 1949750 | 50052023  | 34.98%  | 0.866% |
| 179 | 12.132 | 12.097 | 12.154 | VV | 2152808 | 69609801  | 48.64%  | 1.205% |
| 180 | 12.172 | 12.154 | 12.274 | VV | 2109958 | 143098463 | 100.00% | 2.476% |
| 181 | 12.293 | 12.274 | 12.301 | VV | 2025572 | 32348791  | 22.61%  | 0.560% |
| 182 | 12.312 | 12.301 | 12.335 | VV | 2008293 | 39522487  | 27.62%  | 0.684% |
| 183 | 12.350 | 12.335 | 12.376 | VV | 1977599 | 48057390  | 33.58%  | 0.832% |
| 184 | 12.415 | 12.376 | 12.451 | VV | 1914341 | 84856917  | 59.30%  | 1.468% |
| 185 | 12.459 | 12.451 | 12.509 | VV | 1940202 | 64738443  | 45.24%  | 1.120% |
| 186 | 12.532 | 12.509 | 12.557 | VV | 1881850 | 53228602  | 37.20%  | 0.921% |
| 187 | 12.572 | 12.557 | 12.610 | VV | 1907956 | 60207548  | 42.07%  | 1.042% |
| 188 | 12.632 | 12.610 | 12.686 | VV | 1895596 | 83885549  | 58.62%  | 1.452% |
| 189 | 12.744 | 12.686 | 12.784 | VV | 1844069 | 105021201 | 73.39%  | 1.817% |
| 190 | 12.796 | 12.784 | 12.800 | VV | 1753340 | 17285754  | 12.08%  | 0.299% |
| 191 | 12.822 | 12.800 | 12.866 | VV | 1787156 | 69296186  | 48.43%  | 1.199% |
| 192 | 12.886 | 12.866 | 12.911 | VV | 1714149 | 45887011  | 32.07%  | 0.794% |
| 193 | 12.932 | 12.911 | 12.959 | VV | 1761272 | 49067490  | 34.29%  | 0.849% |
| 194 | 12.971 | 12.959 | 13.008 | VV | 1698330 | 48718581  | 34.05%  | 0.843% |
| 195 | 13.042 | 13.008 | 13.064 | VV | 1741059 | 57325153  | 40.06%  | 0.992% |
| 196 | 13.102 | 13.064 | 13.175 | VV | 1725904 | 107656378 | 75.23%  | 1.863% |
| 197 | 13.186 | 13.175 | 13.212 | VV | 1576966 | 34921345  | 24.40%  | 0.604% |
| 198 | 13.236 | 13.212 | 13.273 | VV | 1556167 | 56024236  | 39.15%  | 0.970% |
| 199 | 13.297 | 13.273 | 13.318 | VV | 1570560 | 41507588  | 29.01%  | 0.718% |
| 200 | 13.340 | 13.318 | 13.363 | VV | 1617949 | 41029265  | 28.67%  | 0.710% |
| 201 | 13.411 | 13.363 | 13.446 | VV | 1738110 | 78353641  | 54.76%  | 1.356% |
| 202 | 13.458 | 13.446 | 13.511 | VV | 1481615 | 57417281  | 40.12%  | 0.994% |
| 203 | 13.521 | 13.511 | 13.569 | VV | 1463767 | 49277304  | 34.44%  | 0.853% |
| 204 | 13.590 | 13.569 | 13.607 | VV | 1406727 | 32066890  | 22.41%  | 0.555% |
| 205 | 13.632 | 13.607 | 13.705 | VV | 1427726 | 80523911  | 56.27%  | 1.394% |
| 206 | 13.747 | 13.705 | 13.769 | VV | 1375523 | 52632504  | 36.78%  | 0.911% |
| 207 | 13.792 | 13.769 | 13.845 | VV | 1371040 | 60244502  | 42.10%  | 1.043% |
| 208 | 13.859 | 13.845 | 13.871 | VV | 1296438 | 19949707  | 13.94%  | 0.345% |
| 209 | 13.881 | 13.871 | 13.947 | VV | 1301050 | 58071657  | 40.58%  | 1.005% |
| 210 | 13.961 | 13.947 | 14.037 | VV | 1246607 | 66410981  | 46.41%  | 1.149% |
| 211 | 14.047 | 14.037 | 14.059 | VV | 1221869 | 15700900  | 10.97%  | 0.272% |
| 212 | 14.080 | 14.059 | 14.118 | VV | 1231476 | 42108505  | 29.43%  | 0.729% |
| 213 | 14.145 | 14.118 | 14.155 | VV | 1172737 | 25537123  | 17.85%  | 0.442% |
| 214 | 14.172 | 14.155 | 14.201 | VV | 1211151 | 32502943  | 22.71%  | 0.562% |
| 215 | 14.211 | 14.201 | 14.277 | VV | 1147041 | 50606208  | 35.36%  | 0.876% |
| 216 | 14.305 | 14.277 | 14.364 | VV | 1109772 | 56330860  | 39.37%  | 0.975% |
| 217 | 14.383 | 14.364 | 14.416 | VV | 1094229 | 32845164  | 22.95%  | 0.568% |
| 218 | 14.446 | 14.416 | 14.475 | VV | 1055190 | 36079499  | 25.21%  | 0.624% |
| 219 | 14.485 | 14.475 | 14.514 | VV | 1017743 | 23315447  | 16.29%  | 0.403% |
| 220 | 14.540 | 14.514 | 14.597 | VV | 1006840 | 47977097  | 33.53%  | 0.830% |
| 221 | 14.608 | 14.597 | 14.654 | VV | 927715  | 30906227  | 21.60%  | 0.535% |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 222    | 14.674 | 14.654 | 14.715 | VV | 931338 | 32321433 | 22.59% | 0.559% |
| 223    | 14.719 | 14.715 | 14.761 | VV | 865796 | 23558532 | 16.46% | 0.408% |
| 224    | 14.774 | 14.761 | 14.823 | VV | 845885 | 30718727 | 21.47% | 0.532% |
| 225    | 14.836 | 14.823 | 14.885 | VV | 827281 | 29334970 | 20.50% | 0.508% |
|        |        |        |        |    |        |          |        |        |
| 226    | 14.891 | 14.885 | 14.931 | VV | 771580 | 20892362 | 14.60% | 0.362% |
| 227    | 14.966 | 14.931 | 15.089 | VV | 777310 | 65749556 | 45.95% | 1.138% |
| 228    | 15.103 | 15.089 | 15.135 | VV | 635963 | 16786667 | 11.73% | 0.291% |
| 229    | 15.140 | 15.135 | 15.181 | VV | 612813 | 16324365 | 11.41% | 0.283% |
| 230    | 15.195 | 15.181 | 15.218 | VV | 605101 | 13084097 | 9.14%  | 0.226% |
|        |        |        |        |    |        |          |        |        |
| 231    | 15.240 | 15.218 | 15.348 | VV | 598604 | 41801278 | 29.21% | 0.723% |
| 232    | 15.361 | 15.348 | 15.373 | VV | 492171 | 7285631  | 5.09%  | 0.126% |
| 233    | 15.389 | 15.373 | 15.417 | VV | 491668 | 12453945 | 8.70%  | 0.216% |
| 234    | 15.430 | 15.417 | 15.468 | VV | 464063 | 13626731 | 9.52%  | 0.236% |
| 235    | 15.483 | 15.468 | 15.544 | VV | 433182 | 19074454 | 13.33% | 0.330% |
|        |        |        |        |    |        |          |        |        |
| 236    | 15.555 | 15.544 | 15.600 | VV | 396306 | 12832424 | 8.97%  | 0.222% |
| 237    | 15.619 | 15.600 | 15.751 | VV | 377860 | 31102209 | 21.73% | 0.538% |
| 238    | 15.765 | 15.751 | 15.840 | VV | 324686 | 16408226 | 11.47% | 0.284% |
| 239    | 15.855 | 15.840 | 15.885 | VV | 294687 | 7592556  | 5.31%  | 0.131% |
| 240    | 15.903 | 15.885 | 15.963 | VV | 275187 | 12260787 | 8.57%  | 0.212% |
|        |        |        |        |    |        |          |        |        |
| 241    | 15.975 | 15.963 | 15.994 | VV | 249210 | 4537976  | 3.17%  | 0.079% |
| 242    | 16.017 | 15.994 | 16.041 | VV | 249529 | 6833651  | 4.78%  | 0.118% |
| 243    | 16.068 | 16.041 | 16.197 | VV | 237325 | 20239815 | 14.14% | 0.350% |
| 244    | 16.209 | 16.197 | 16.235 | VV | 198071 | 4374556  | 3.06%  | 0.076% |
| 245    | 16.245 | 16.235 | 16.275 | VV | 196537 | 4606973  | 3.22%  | 0.080% |
|        |        |        |        |    |        |          |        |        |
| 246    | 16.285 | 16.275 | 16.332 | VV | 193777 | 6287227  | 4.39%  | 0.109% |
| 247    | 16.340 | 16.332 | 16.371 | VV | 172879 | 3963992  | 2.77%  | 0.069% |
| 248    | 16.380 | 16.371 | 16.428 | VV | 166327 | 5549106  | 3.88%  | 0.096% |
| 249    | 16.449 | 16.428 | 16.506 | VV | 171961 | 7553609  | 5.28%  | 0.131% |
| 250    | 16.576 | 16.506 | 16.608 | VV | 290389 | 11039820 | 7.71%  | 0.191% |
|        |        |        |        |    |        |          |        |        |
| 251    | 16.624 | 16.608 | 16.688 | VV | 153910 | 6837046  | 4.78%  | 0.118% |
| 252    | 16.736 | 16.688 | 16.788 | VV | 182986 | 8727024  | 6.10%  | 0.151% |
| 253    | 16.809 | 16.788 | 16.846 | VV | 128507 | 4311252  | 3.01%  | 0.075% |
| 254    | 16.866 | 16.846 | 16.918 | VV | 128786 | 5187405  | 3.63%  | 0.090% |
| 255    | 16.934 | 16.918 | 16.999 | VV | 118222 | 5470177  | 3.82%  | 0.095% |
|        |        |        |        |    |        |          |        |        |
| 256    | 17.055 | 16.999 | 17.089 | VV | 140069 | 6324292  | 4.42%  | 0.109% |
| 257    | 17.113 | 17.089 | 17.150 | VV | 123912 | 3905252  | 2.73%  | 0.068% |
| 258    | 17.220 | 17.150 | 17.248 | VV | 107150 | 5920072  | 4.14%  | 0.102% |
| 259    | 17.274 | 17.248 | 17.309 | VV | 118890 | 3650141  | 2.55%  | 0.063% |
| 260    | 17.325 | 17.309 | 17.394 | VV | 92569  | 4490209  | 3.14%  | 0.078% |
|        |        |        |        |    |        |          |        |        |
| 261    | 17.448 | 17.394 | 17.495 | VV | 92102  | 5157379  | 3.60%  | 0.089% |
| 262    | 17.521 | 17.495 | 17.538 | VV | 86390  | 2125307  | 1.49%  | 0.037% |
| 263    | 17.563 | 17.538 | 17.607 | VV | 111467 | 3752057  | 2.62%  | 0.065% |
| 264    | 17.623 | 17.607 | 17.638 | VV | 83647  | 1492603  | 1.04%  | 0.026% |
| 265    | 17.645 | 17.638 | 17.669 | VV | 86391  | 1462188  | 1.02%  | 0.025% |
|        |        |        |        |    |        |          |        |        |
| 266    | 17.691 | 17.669 | 17.708 | VV | 70077  | 1573493  | 1.10%  | 0.027% |
| 267    | 17.729 | 17.708 | 17.743 | VV | 69339  | 1434417  | 1.00%  | 0.025% |
| 268    | 17.766 | 17.743 | 17.801 | VV | 82899  | 2534286  | 1.77%  | 0.044% |
| 269    | 17.820 | 17.801 | 17.840 | VV | 67157  | 1441975  | 1.01%  | 0.025% |

|     |        |        |        |    |                 |         |       |        |
|-----|--------|--------|--------|----|-----------------|---------|-------|--------|
| 270 | 17.857 | 17.840 | 17.879 | VV | rteres<br>61298 | 1405625 | 0.98% | 0.024% |
| 271 | 17.888 | 17.879 | 17.900 | VV | 57471           | 699978  | 0.49% | 0.012% |
| 272 | 17.919 | 17.900 | 17.930 | VV | 58827           | 1054262 | 0.74% | 0.018% |
| 273 | 17.941 | 17.930 | 17.961 | VV | 59158           | 1051759 | 0.73% | 0.018% |
| 274 | 18.005 | 17.961 | 18.044 | VV | 57912           | 2783559 | 1.95% | 0.048% |
| 275 | 18.081 | 18.044 | 18.109 | VV | 62810           | 2230688 | 1.56% | 0.039% |
| 276 | 18.137 | 18.109 | 18.150 | VV | 62829           | 1374593 | 0.96% | 0.024% |
| 277 | 18.169 | 18.150 | 18.191 | VV | 66601           | 1447283 | 1.01% | 0.025% |
| 278 | 18.234 | 18.191 | 18.312 | VV | 65093           | 3860347 | 2.70% | 0.067% |
| 279 | 18.322 | 18.312 | 18.357 | VV | 46625           | 1210058 | 0.85% | 0.021% |
| 280 | 18.406 | 18.357 | 18.420 | VV | 53960           | 1835112 | 1.28% | 0.032% |
| 281 | 18.441 | 18.420 | 18.461 | VV | 69958           | 1523178 | 1.06% | 0.026% |
| 282 | 18.502 | 18.461 | 18.540 | VV | 75968           | 2795713 | 1.95% | 0.048% |
| 283 | 18.600 | 18.540 | 18.702 | VV | 58821           | 4204795 | 2.94% | 0.073% |
| 284 | 18.729 | 18.702 | 18.775 | VV | 47889           | 1812484 | 1.27% | 0.031% |
| 285 | 18.786 | 18.775 | 18.792 | VV | 39016           | 397084  | 0.28% | 0.007% |
| 286 | 18.797 | 18.792 | 18.852 | VV | 38725           | 1306881 | 0.91% | 0.023% |
| 287 | 18.903 | 18.852 | 18.969 | VV | 51132           | 2706385 | 1.89% | 0.047% |
| 288 | 19.015 | 18.969 | 19.052 | VV | 58556           | 2089219 | 1.46% | 0.036% |
| 289 | 19.072 | 19.052 | 19.094 | VV | 46012           | 1027458 | 0.72% | 0.018% |
| 290 | 19.112 | 19.094 | 19.144 | VV | 41575           | 1062130 | 0.74% | 0.018% |
| 291 | 19.162 | 19.144 | 19.186 | VV | 33601           | 833961  | 0.58% | 0.014% |
| 292 | 19.271 | 19.186 | 19.294 | VV | 84974           | 3030653 | 2.12% | 0.052% |
| 293 | 19.309 | 19.294 | 19.361 | VV | 59641           | 1841576 | 1.29% | 0.032% |
| 294 | 19.396 | 19.361 | 19.428 | VV | 44497           | 1568334 | 1.10% | 0.027% |
| 295 | 19.448 | 19.428 | 19.474 | VV | 50222           | 1142009 | 0.80% | 0.020% |
| 296 | 19.504 | 19.474 | 19.540 | VV | 131568          | 2657160 | 1.86% | 0.046% |
| 297 | 19.554 | 19.540 | 19.596 | VV | 35999           | 1120649 | 0.78% | 0.019% |
| 298 | 19.605 | 19.596 | 19.623 | VV | 31616           | 493066  | 0.34% | 0.009% |
| 299 | 19.655 | 19.623 | 19.681 | VV | 56830           | 1406612 | 0.98% | 0.024% |
| 300 | 19.693 | 19.681 | 19.707 | VV | 35198           | 540264  | 0.38% | 0.009% |
| 301 | 19.729 | 19.707 | 19.740 | VV | 44677           | 777884  | 0.54% | 0.013% |
| 302 | 19.759 | 19.740 | 19.781 | VV | 66439           | 1249852 | 0.87% | 0.022% |
| 303 | 19.803 | 19.781 | 19.831 | VV | 54643           | 1281951 | 0.90% | 0.022% |
| 304 | 19.864 | 19.831 | 19.890 | VV | 35717           | 1176705 | 0.82% | 0.020% |
| 305 | 19.908 | 19.890 | 19.931 | VV | 31459           | 758808  | 0.53% | 0.013% |
| 306 | 19.983 | 19.931 | 20.013 | VV | 37130           | 1595913 | 1.12% | 0.028% |
| 307 | 20.047 | 20.013 | 20.091 | VV | 49486           | 1835830 | 1.28% | 0.032% |
| 308 | 20.098 | 20.091 | 20.164 | VV | 35972           | 1410464 | 0.99% | 0.024% |
| 309 | 20.179 | 20.164 | 20.191 | VV | 29317           | 463015  | 0.32% | 0.008% |
| 310 | 20.221 | 20.191 | 20.260 | VV | 33936           | 1295143 | 0.91% | 0.022% |
| 311 | 20.306 | 20.260 | 20.331 | VV | 37985           | 1434370 | 1.00% | 0.025% |
| 312 | 20.341 | 20.331 | 20.362 | VV | 34990           | 613843  | 0.43% | 0.011% |
| 313 | 20.372 | 20.362 | 20.409 | VV | 32239           | 906631  | 0.63% | 0.016% |
| 314 | 20.431 | 20.409 | 20.455 | VV | 34508           | 887183  | 0.62% | 0.015% |
| 315 | 20.479 | 20.455 | 20.498 | VV | 32002           | 785811  | 0.55% | 0.014% |
| 316 | 20.506 | 20.498 | 20.528 | VV | 33301           | 568364  | 0.40% | 0.010% |

|     |        |        |        |    |        |         |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
|     |        |        |        |    | rteres |         |       |        |
| 317 | 20.548 | 20.528 | 20.587 | VV | 38986  | 1224266 | 0.86% | 0.021% |
| 318 | 20.606 | 20.587 | 20.618 | VV | 32938  | 587331  | 0.41% | 0.010% |
| 319 | 20.638 | 20.618 | 20.688 | VV | 33655  | 1346432 | 0.94% | 0.023% |
| 320 | 20.707 | 20.688 | 20.718 | VV | 33098  | 576769  | 0.40% | 0.010% |
| 321 | 20.732 | 20.718 | 20.749 | VV | 32538  | 587566  | 0.41% | 0.010% |
| 322 | 20.791 | 20.749 | 20.809 | VV | 35739  | 1183531 | 0.83% | 0.020% |
| 323 | 20.830 | 20.809 | 20.874 | VV | 33251  | 1212646 | 0.85% | 0.021% |
| 324 | 20.910 | 20.874 | 21.011 | VV | 30136  | 2324362 | 1.62% | 0.040% |
| 325 | 21.021 | 21.011 | 21.036 | VV | 27065  | 388143  | 0.27% | 0.007% |
| 326 | 21.047 | 21.036 | 21.058 | VV | 26399  | 347601  | 0.24% | 0.006% |
| 327 | 21.067 | 21.058 | 21.085 | VV | 25756  | 398783  | 0.28% | 0.007% |
| 328 | 21.093 | 21.085 | 21.108 | VV | 24656  | 342038  | 0.24% | 0.006% |
| 329 | 21.162 | 21.108 | 21.201 | VV | 26211  | 1351661 | 0.94% | 0.023% |
| 330 | 21.213 | 21.201 | 21.258 | VV | 20962  | 683525  | 0.48% | 0.012% |
| 331 | 21.263 | 21.258 | 21.292 | VV | 19972  | 397024  | 0.28% | 0.007% |
| 332 | 21.317 | 21.292 | 21.385 | VV | 20726  | 1021304 | 0.71% | 0.018% |
| 333 | 21.390 | 21.385 | 21.433 | VV | 16945  | 471248  | 0.33% | 0.008% |
| 334 | 21.446 | 21.433 | 21.461 | VV | 15850  | 256356  | 0.18% | 0.004% |
| 335 | 21.484 | 21.461 | 21.522 | VV | 15124  | 521950  | 0.36% | 0.009% |
| 336 | 21.592 | 21.522 | 21.630 | VV | 15298  | 886971  | 0.62% | 0.015% |
| 337 | 21.657 | 21.630 | 21.688 | VV | 13249  | 423130  | 0.30% | 0.007% |
| 338 | 21.696 | 21.688 | 21.745 | VV | 11130  | 343947  | 0.24% | 0.006% |
| 339 | 21.758 | 21.745 | 21.788 | VV | 9477   | 231630  | 0.16% | 0.004% |
| 340 | 21.797 | 21.788 | 21.805 | VV | 9046   | 89584   | 0.06% | 0.002% |
| 341 | 21.817 | 21.805 | 21.874 | VV | 9404   | 339528  | 0.24% | 0.006% |
| 342 | 21.885 | 21.874 | 21.908 | VV | 7433   | 138645  | 0.10% | 0.002% |
| 343 | 21.913 | 21.908 | 21.929 | VV | 6408   | 75599   | 0.05% | 0.001% |
| 344 | 21.938 | 21.929 | 21.963 | VV | 5406   | 103533  | 0.07% | 0.002% |
| 345 | 21.975 | 21.963 | 21.990 | VV | 4965   | 75369   | 0.05% | 0.001% |
| 346 | 22.028 | 21.990 | 22.038 | VV | 4747   | 127332  | 0.09% | 0.002% |
| 347 | 22.074 | 22.038 | 22.155 | VV | 6932   | 344996  | 0.24% | 0.006% |
| 348 | 22.165 | 22.155 | 22.191 | VV | 3148   | 59136   | 0.04% | 0.001% |
| 349 | 22.201 | 22.191 | 22.275 | VV | 2572   | 56901   | 0.04% | 0.001% |

Sum of corrected areas: 5778505172

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