

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC072318AL\  
 Data File : FC035538.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Jul 2018 14:05  
 Sample : J4051-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 072118.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         | 3.229       | 3.202        | 3.251      | BV       | 215            | 2543         | 0.00%          | 0.000%        |
| 2         | 3.258       | 3.251        | 3.286      | VV       | 206            | 1528         | 0.00%          | 0.000%        |
| 3         | 3.304       | 3.286        | 3.313      | VV       | 180            | 1505         | 0.00%          | 0.000%        |
| 4         | 3.325       | 3.313        | 3.342      | PV       | 146            | 1659         | 0.00%          | 0.000%        |
| 5         | 3.352       | 3.342        | 3.362      | VV       | 221            | 1412         | 0.00%          | 0.000%        |
| 6         | 3.384       | 3.362        | 3.391      | VV       | 168            | 1797         | 0.00%          | 0.000%        |
| 7         | 3.400       | 3.391        | 3.454      | VV       | 243            | 4800         | 0.00%          | 0.000%        |
| 8         | 3.466       | 3.454        | 3.473      | VV       | 190            | 1157         | 0.00%          | 0.000%        |
| 9         | 3.492       | 3.473        | 3.523      | PV       | 276            | 4655         | 0.00%          | 0.000%        |
| 10        | 3.602       | 3.523        | 3.619      | VV       | 398            | 8770         | 0.01%          | 0.000%        |
| 11        | 3.635       | 3.619        | 3.661      | VV       | 267            | 4523         | 0.00%          | 0.000%        |
| 12        | 3.673       | 3.661        | 3.702      | VV       | 289            | 3875         | 0.00%          | 0.000%        |
| 13        | 3.722       | 3.702        | 3.756      | VV       | 414            | 7276         | 0.01%          | 0.000%        |
| 14        | 3.762       | 3.756        | 3.787      | VV       | 231            | 2523         | 0.00%          | 0.000%        |
| 15        | 3.805       | 3.787        | 3.856      | VV       | 310            | 7179         | 0.01%          | 0.000%        |
| 16        | 3.898       | 3.856        | 3.917      | PV       | 973            | 12685        | 0.01%          | 0.000%        |
| 17        | 3.925       | 3.917        | 3.945      | VV       | 361            | 4240         | 0.00%          | 0.000%        |
| 18        | 3.956       | 3.945        | 3.977      | VV       | 249            | 3835         | 0.00%          | 0.000%        |
| 19        | 3.991       | 3.977        | 4.014      | VV       | 421            | 5230         | 0.00%          | 0.000%        |
| 20        | 4.060       | 4.014        | 4.086      | VV       | 726            | 15480        | 0.01%          | 0.000%        |
| 21        | 4.097       | 4.086        | 4.109      | VV       | 412            | 4746         | 0.00%          | 0.000%        |
| 22        | 4.129       | 4.109        | 4.144      | VV       | 368            | 6536         | 0.01%          | 0.000%        |
| 23        | 4.164       | 4.144        | 4.186      | VV       | 310            | 6124         | 0.01%          | 0.000%        |
| 24        | 4.220       | 4.186        | 4.237      | VV       | 808            | 14600        | 0.01%          | 0.000%        |
| 25        | 4.247       | 4.237        | 4.271      | VV       | 438            | 7248         | 0.01%          | 0.000%        |
| 26        | 4.299       | 4.271        | 4.322      | VV       | 760            | 13852        | 0.01%          | 0.000%        |
| 27        | 4.337       | 4.322        | 4.354      | VV       | 415            | 5362         | 0.00%          | 0.000%        |
| 28        | 4.364       | 4.354        | 4.386      | VV       | 397            | 5298         | 0.00%          | 0.000%        |
| 29        | 4.409       | 4.386        | 4.436      | VV       | 639            | 13343        | 0.01%          | 0.000%        |
| 30        | 4.455       | 4.436        | 4.475      | VV       | 723            | 12887        | 0.01%          | 0.000%        |
| 31        | 4.495       | 4.475        | 4.537      | VV       | 565            | 13381        | 0.01%          | 0.000%        |
| 32        | 4.551       | 4.537        | 4.566      | VV       | 536            | 5263         | 0.00%          | 0.000%        |
| 33        | 4.582       | 4.566        | 4.607      | VV       | 868            | 10929        | 0.01%          | 0.000%        |
| 34        | 4.626       | 4.607        | 4.639      | VV       | 819            | 9216         | 0.01%          | 0.000%        |
| 35        | 4.648       | 4.639        | 4.661      | VV       | 526            | 4788         | 0.00%          | 0.000%        |
| 36        | 4.679       | 4.661        | 4.700      | VV       | 957            | 12168        | 0.01%          | 0.000%        |

|    |       |       |       |    |            |       |       |        |  |
|----|-------|-------|-------|----|------------|-------|-------|--------|--|
|    |       |       |       |    | rteres.txt |       |       |        |  |
| 37 | 4.731 | 4.700 | 4.750 | VV | 319        | 7265  | 0.01% | 0.000% |  |
| 38 | 4.763 | 4.750 | 4.804 | VV | 584        | 5561  | 0.00% | 0.000% |  |
| 39 | 4.824 | 4.804 | 4.834 | PV | 122        | 1231  | 0.00% | 0.000% |  |
| 40 | 4.865 | 4.834 | 4.909 | VV | 1397       | 32656 | 0.03% | 0.001% |  |
| 41 | 4.929 | 4.909 | 4.957 | VV | 4107       | 42778 | 0.04% | 0.001% |  |
| 42 | 4.984 | 4.957 | 5.037 | VV | 3515       | 47076 | 0.04% | 0.001% |  |
| 43 | 5.045 | 5.037 | 5.072 | VV | 468        | 6984  | 0.01% | 0.000% |  |
| 44 | 5.120 | 5.072 | 5.149 | VV | 1265       | 27853 | 0.02% | 0.001% |  |
| 45 | 5.164 | 5.149 | 5.179 | VV | 786        | 9510  | 0.01% | 0.000% |  |
| 46 | 5.196 | 5.179 | 5.227 | VV | 1523       | 23257 | 0.02% | 0.001% |  |
| 47 | 5.251 | 5.227 | 5.290 | VV | 2882       | 53321 | 0.05% | 0.001% |  |
| 48 | 5.298 | 5.290 | 5.317 | VV | 914        | 11946 | 0.01% | 0.000% |  |
| 49 | 5.374 | 5.317 | 5.392 | VV | 2722       | 54736 | 0.05% | 0.002% |  |
| 50 | 5.401 | 5.392 | 5.415 | VV | 898        | 10252 | 0.01% | 0.000% |  |
| 51 | 5.430 | 5.415 | 5.452 | VV | 1184       | 17001 | 0.02% | 0.000% |  |
| 52 | 5.473 | 5.452 | 5.489 | VV | 958        | 15331 | 0.01% | 0.000% |  |
| 53 | 5.511 | 5.489 | 5.539 | VV | 1059       | 19490 | 0.02% | 0.001% |  |
| 54 | 5.546 | 5.539 | 5.557 | VV | 321        | 3350  | 0.00% | 0.000% |  |
| 55 | 5.570 | 5.557 | 5.587 | VV | 459        | 5457  | 0.00% | 0.000% |  |
| 56 | 5.616 | 5.587 | 5.652 | VV | 878        | 20923 | 0.02% | 0.001% |  |
| 57 | 5.669 | 5.652 | 5.694 | VV | 455        | 6392  | 0.01% | 0.000% |  |
| 58 | 5.727 | 5.694 | 5.779 | VV | 382        | 9364  | 0.01% | 0.000% |  |
| 59 | 5.785 | 5.779 | 5.807 | VV | 161        | 2152  | 0.00% | 0.000% |  |
| 60 | 5.843 | 5.807 | 5.861 | PV | 682        | 11603 | 0.01% | 0.000% |  |
| 61 | 5.877 | 5.861 | 5.936 | VV | 1461       | 32786 | 0.03% | 0.001% |  |
| 62 | 5.975 | 5.936 | 5.997 | VV | 2215       | 32130 | 0.03% | 0.001% |  |
| 63 | 6.029 | 5.997 | 6.047 | VV | 1345       | 27973 | 0.02% | 0.001% |  |
| 64 | 6.059 | 6.047 | 6.102 | VV | 1058       | 21901 | 0.02% | 0.001% |  |
| 65 | 6.109 | 6.102 | 6.131 | VV | 494        | 6577  | 0.01% | 0.000% |  |
| 66 | 6.144 | 6.131 | 6.172 | VV | 596        | 9707  | 0.01% | 0.000% |  |
| 67 | 6.188 | 6.172 | 6.213 | VV | 815        | 14599 | 0.01% | 0.000% |  |
| 68 | 6.232 | 6.213 | 6.247 | VV | 750        | 11727 | 0.01% | 0.000% |  |
| 69 | 6.269 | 6.247 | 6.289 | VV | 715        | 14511 | 0.01% | 0.000% |  |
| 70 | 6.312 | 6.289 | 6.340 | VV | 3004       | 42274 | 0.04% | 0.001% |  |
| 71 | 6.357 | 6.340 | 6.387 | VV | 1049       | 15986 | 0.01% | 0.000% |  |
| 72 | 6.433 | 6.387 | 6.446 | VV | 1010       | 20956 | 0.02% | 0.001% |  |
| 73 | 6.458 | 6.446 | 6.479 | VV | 1059       | 14235 | 0.01% | 0.000% |  |
| 74 | 6.496 | 6.479 | 6.519 | VV | 909        | 11046 | 0.01% | 0.000% |  |
| 75 | 6.534 | 6.519 | 6.552 | PV | 582        | 6336  | 0.01% | 0.000% |  |
| 76 | 6.569 | 6.552 | 6.606 | VV | 883        | 12963 | 0.01% | 0.000% |  |
| 77 | 6.629 | 6.606 | 6.652 | VV | 640        | 9380  | 0.01% | 0.000% |  |
| 78 | 6.702 | 6.652 | 6.724 | PV | 706        | 18364 | 0.02% | 0.001% |  |
| 79 | 6.760 | 6.724 | 6.781 | VV | 1127       | 19678 | 0.02% | 0.001% |  |
| 80 | 6.800 | 6.781 | 6.814 | VV | 792        | 10958 | 0.01% | 0.000% |  |
| 81 | 6.827 | 6.814 | 6.842 | VV | 885        | 11693 | 0.01% | 0.000% |  |
| 82 | 6.863 | 6.842 | 6.883 | VV | 1060       | 15849 | 0.01% | 0.000% |  |
| 83 | 6.914 | 6.883 | 6.928 | PV | 853        | 13879 | 0.01% | 0.000% |  |
| 84 | 6.956 | 6.928 | 6.984 | VV | 1070       | 21296 | 0.02% | 0.001% |  |
| 85 | 7.006 | 6.984 | 7.019 | VV | 1160       | 14342 | 0.01% | 0.000% |  |
| 86 | 7.033 | 7.019 | 7.074 | VV | 950        | 19288 | 0.02% | 0.001% |  |
| 87 | 7.127 | 7.074 | 7.160 | PV | 5550       | 98971 | 0.09% | 0.003% |  |
| 88 | 7.184 | 7.160 | 7.202 | VV | 1286       | 21863 | 0.02% | 0.001% |  |
| 89 | 7.235 | 7.202 | 7.267 | VV | 2090       | 41395 | 0.04% | 0.001% |  |

|     |       |       |       |    |            |         |       |        |
|-----|-------|-------|-------|----|------------|---------|-------|--------|
|     |       |       |       |    | rteres.txt |         |       |        |
| 90  | 7.294 | 7.267 | 7.325 | VV | 2796       | 40132   | 0.04% | 0.001% |
| 91  | 7.375 | 7.325 | 7.386 | PV | 2302       | 55419   | 0.05% | 0.002% |
| 92  | 7.401 | 7.386 | 7.432 | VV | 2266       | 50161   | 0.04% | 0.001% |
| 93  | 7.449 | 7.432 | 7.469 | VV | 3269       | 40406   | 0.04% | 0.001% |
| 94  | 7.513 | 7.469 | 7.557 | VV | 4454       | 119279  | 0.11% | 0.003% |
| 95  | 7.600 | 7.557 | 7.618 | VV | 3293       | 96160   | 0.08% | 0.003% |
| 96  | 7.652 | 7.618 | 7.676 | VV | 5350       | 120305  | 0.11% | 0.003% |
| 97  | 7.701 | 7.676 | 7.726 | VV | 9907       | 132144  | 0.12% | 0.004% |
| 98  | 7.742 | 7.726 | 7.760 | VV | 3527       | 55770   | 0.05% | 0.002% |
| 99  | 7.791 | 7.760 | 7.812 | VV | 11036      | 159753  | 0.14% | 0.004% |
| 100 | 7.832 | 7.812 | 7.852 | VV | 8719       | 132139  | 0.12% | 0.004% |
| 101 | 7.860 | 7.852 | 7.877 | VV | 4681       | 58895   | 0.05% | 0.002% |
| 102 | 7.927 | 7.877 | 7.952 | VV | 5283       | 182308  | 0.16% | 0.005% |
| 103 | 7.982 | 7.952 | 8.005 | VV | 17325      | 260612  | 0.23% | 0.007% |
| 104 | 8.018 | 8.005 | 8.030 | VV | 4635       | 62807   | 0.06% | 0.002% |
| 105 | 8.069 | 8.030 | 8.081 | VV | 5930       | 144437  | 0.13% | 0.004% |
| 106 | 8.100 | 8.081 | 8.122 | VV | 7299       | 140807  | 0.12% | 0.004% |
| 107 | 8.137 | 8.122 | 8.149 | VV | 5281       | 76241   | 0.07% | 0.002% |
| 108 | 8.173 | 8.149 | 8.202 | VV | 12004      | 231949  | 0.20% | 0.006% |
| 109 | 8.221 | 8.202 | 8.231 | VV | 12516      | 155694  | 0.14% | 0.004% |
| 110 | 8.250 | 8.231 | 8.300 | VV | 36448      | 628715  | 0.56% | 0.018% |
| 111 | 8.314 | 8.300 | 8.324 | VV | 5404       | 68939   | 0.06% | 0.002% |
| 112 | 8.342 | 8.324 | 8.364 | VV | 11877      | 206144  | 0.18% | 0.006% |
| 113 | 8.377 | 8.364 | 8.396 | VV | 7097       | 104062  | 0.09% | 0.003% |
| 114 | 8.424 | 8.396 | 8.437 | VV | 5417       | 110640  | 0.10% | 0.003% |
| 115 | 8.477 | 8.437 | 8.522 | VV | 15355      | 443470  | 0.39% | 0.012% |
| 116 | 8.543 | 8.522 | 8.566 | VV | 40389      | 502968  | 0.44% | 0.014% |
| 117 | 8.607 | 8.566 | 8.649 | VV | 23659      | 559298  | 0.49% | 0.016% |
| 118 | 8.674 | 8.649 | 8.688 | VV | 5337       | 116219  | 0.10% | 0.003% |
| 119 | 8.710 | 8.688 | 8.725 | VV | 12135      | 180630  | 0.16% | 0.005% |
| 120 | 8.739 | 8.725 | 8.754 | VV | 7586       | 124293  | 0.11% | 0.003% |
| 121 | 8.772 | 8.754 | 8.790 | VV | 7735       | 152975  | 0.14% | 0.004% |
| 122 | 8.831 | 8.790 | 8.854 | VV | 15136      | 383549  | 0.34% | 0.011% |
| 123 | 8.877 | 8.854 | 8.902 | VV | 15974      | 297498  | 0.26% | 0.008% |
| 124 | 8.935 | 8.902 | 8.979 | VV | 10128      | 367561  | 0.32% | 0.010% |
| 125 | 8.998 | 8.979 | 9.026 | VV | 11011      | 249999  | 0.22% | 0.007% |
| 126 | 9.044 | 9.026 | 9.074 | VV | 8307       | 205339  | 0.18% | 0.006% |
| 127 | 9.093 | 9.074 | 9.101 | VV | 13075      | 172064  | 0.15% | 0.005% |
| 128 | 9.119 | 9.101 | 9.141 | VV | 16215      | 302911  | 0.27% | 0.008% |
| 129 | 9.148 | 9.141 | 9.163 | VV | 10212      | 126921  | 0.11% | 0.004% |
| 130 | 9.214 | 9.163 | 9.250 | VV | 22706      | 738625  | 0.65% | 0.021% |
| 131 | 9.294 | 9.250 | 9.326 | VV | 51432      | 1093131 | 0.97% | 0.031% |
| 132 | 9.374 | 9.326 | 9.396 | VV | 22889      | 604675  | 0.53% | 0.017% |
| 133 | 9.405 | 9.396 | 9.426 | VV | 11761      | 188821  | 0.17% | 0.005% |
| 134 | 9.449 | 9.426 | 9.465 | VV | 15736      | 325206  | 0.29% | 0.009% |
| 135 | 9.474 | 9.465 | 9.487 | VV | 14097      | 171173  | 0.15% | 0.005% |
| 136 | 9.501 | 9.487 | 9.536 | VV | 15264      | 399548  | 0.35% | 0.011% |
| 137 | 9.559 | 9.536 | 9.580 | VV | 15429      | 366465  | 0.32% | 0.010% |
| 138 | 9.603 | 9.580 | 9.624 | VV | 16044      | 383157  | 0.34% | 0.011% |
| 139 | 9.649 | 9.624 | 9.672 | VV | 20122      | 509810  | 0.45% | 0.014% |
| 140 | 9.693 | 9.672 | 9.727 | VV | 24731      | 687357  | 0.61% | 0.019% |
| 141 | 9.751 | 9.727 | 9.769 | VV | 31739      | 641477  | 0.57% | 0.018% |

|     |        |        |        |    | rteres.txt |         |       |        |
|-----|--------|--------|--------|----|------------|---------|-------|--------|
| 142 | 9.781  | 9.769  | 9.812  | VV | 23934      | 578223  | 0.51% | 0.016% |
| 143 | 9.867  | 9.812  | 9.883  | VV | 25371      | 985118  | 0.87% | 0.028% |
| 144 | 9.918  | 9.883  | 9.926  | VV | 26661      | 641655  | 0.57% | 0.018% |
| 145 | 9.948  | 9.926  | 9.974  | VV | 27470      | 740999  | 0.65% | 0.021% |
| 146 | 9.993  | 9.974  | 10.015 | VV | 27126      | 622787  | 0.55% | 0.017% |
| 147 | 10.038 | 10.015 | 10.047 | VV | 30220      | 527683  | 0.47% | 0.015% |
| 148 | 10.074 | 10.047 | 10.096 | VV | 41494      | 1052278 | 0.93% | 0.029% |
| 149 | 10.108 | 10.096 | 10.139 | VV | 34778      | 847053  | 0.75% | 0.024% |
| 150 | 10.167 | 10.139 | 10.206 | VV | 35362      | 1339971 | 1.18% | 0.037% |
| 151 | 10.225 | 10.206 | 10.247 | VV | 37514      | 845402  | 0.75% | 0.024% |
| 152 | 10.310 | 10.247 | 10.334 | VV | 52180      | 2018431 | 1.78% | 0.056% |
| 153 | 10.356 | 10.334 | 10.377 | VV | 56103      | 1182637 | 1.05% | 0.033% |
| 154 | 10.427 | 10.377 | 10.438 | VV | 50505      | 1618032 | 1.43% | 0.045% |
| 155 | 10.449 | 10.438 | 10.458 | VV | 47560      | 566525  | 0.50% | 0.016% |
| 156 | 10.501 | 10.458 | 10.525 | VV | 78037      | 2366254 | 2.09% | 0.066% |
| 157 | 10.555 | 10.525 | 10.600 | VV | 81009      | 2679939 | 2.37% | 0.075% |
| 158 | 10.621 | 10.600 | 10.641 | VV | 53923      | 1236720 | 1.09% | 0.035% |
| 159 | 10.657 | 10.641 | 10.679 | VV | 55208      | 1179028 | 1.04% | 0.033% |
| 160 | 10.695 | 10.679 | 10.711 | VV | 55872      | 1015995 | 0.90% | 0.028% |
| 161 | 10.734 | 10.711 | 10.761 | VV | 71460      | 1760817 | 1.56% | 0.049% |
| 162 | 10.789 | 10.761 | 10.805 | VV | 63816      | 1537437 | 1.36% | 0.043% |
| 163 | 10.820 | 10.805 | 10.867 | VV | 62779      | 2214488 | 1.96% | 0.062% |
| 164 | 10.907 | 10.867 | 10.927 | VV | 69353      | 2267392 | 2.00% | 0.063% |
| 165 | 10.953 | 10.927 | 10.980 | VV | 68009      | 2060976 | 1.82% | 0.058% |
| 166 | 11.016 | 10.980 | 11.033 | VV | 70135      | 2105809 | 1.86% | 0.059% |
| 167 | 11.069 | 11.033 | 11.079 | VV | 82201      | 1981570 | 1.75% | 0.055% |
| 168 | 11.091 | 11.079 | 11.114 | VV | 79069      | 1573799 | 1.39% | 0.044% |
| 169 | 11.129 | 11.114 | 11.164 | VV | 80597      | 2229172 | 1.97% | 0.062% |
| 170 | 11.221 | 11.164 | 11.247 | VV | 101536     | 4143000 | 3.66% | 0.116% |
| 171 | 11.276 | 11.247 | 11.294 | VV | 84163      | 2211634 | 1.95% | 0.062% |
| 172 | 11.311 | 11.294 | 11.339 | VV | 88657      | 2215753 | 1.96% | 0.062% |
| 173 | 11.359 | 11.339 | 11.396 | VV | 92459      | 2896579 | 2.56% | 0.081% |
| 174 | 11.420 | 11.396 | 11.463 | VV | 94052      | 3537476 | 3.13% | 0.099% |
| 175 | 11.515 | 11.463 | 11.546 | VV | 113704     | 4938242 | 4.36% | 0.138% |
| 176 | 11.580 | 11.546 | 11.592 | VV | 107235     | 2854914 | 2.52% | 0.080% |
| 177 | 11.615 | 11.592 | 11.634 | VV | 123612     | 2821187 | 2.49% | 0.079% |
| 178 | 11.650 | 11.634 | 11.661 | VV | 109566     | 1771086 | 1.57% | 0.050% |
| 179 | 11.682 | 11.661 | 11.690 | VV | 113025     | 1924017 | 1.70% | 0.054% |
| 180 | 11.732 | 11.690 | 11.746 | VV | 149587     | 4192750 | 3.71% | 0.117% |
| 181 | 11.765 | 11.746 | 11.843 | VV | 181230     | 8048421 | 7.11% | 0.225% |
| 182 | 11.897 | 11.843 | 11.906 | VV | 139974     | 4943129 | 4.37% | 0.138% |
| 183 | 11.928 | 11.906 | 11.961 | VV | 145801     | 4518094 | 3.99% | 0.126% |
| 184 | 12.009 | 11.961 | 12.022 | VV | 164841     | 5164993 | 4.56% | 0.144% |
| 185 | 12.033 | 12.022 | 12.059 | VV | 164073     | 3421836 | 3.02% | 0.096% |
| 186 | 12.103 | 12.059 | 12.130 | VV | 162207     | 6454184 | 5.70% | 0.181% |
| 187 | 12.147 | 12.130 | 12.161 | VV | 160418     | 2849018 | 2.52% | 0.080% |
| 188 | 12.181 | 12.161 | 12.239 | VV | 194661     | 7905042 | 6.99% | 0.221% |
| 189 | 12.285 | 12.239 | 12.300 | VV | 175393     | 6012602 | 5.31% | 0.168% |
| 190 | 12.315 | 12.300 | 12.326 | VV | 170162     | 2560828 | 2.26% | 0.072% |
| 191 | 12.358 | 12.326 | 12.382 | VV | 191139     | 6131719 | 5.42% | 0.172% |
| 192 | 12.430 | 12.382 | 12.458 | VV | 249712     | 9153844 | 8.09% | 0.256% |
| 193 | 12.473 | 12.458 | 12.502 | VV | 197573     | 5092406 | 4.50% | 0.142% |
| 194 | 12.533 | 12.502 | 12.561 | VV | 241626     | 7481681 | 6.61% | 0.209% |

|     |        |        |        |    |            |          |        |        |
|-----|--------|--------|--------|----|------------|----------|--------|--------|
|     |        |        |        |    | rteres.txt |          |        |        |
| 195 | 12.581 | 12.561 | 12.611 | VV | 217650     | 6036002  | 5.33%  | 0.169% |
| 196 | 12.627 | 12.611 | 12.637 | VV | 195903     | 3070942  | 2.71%  | 0.086% |
| 197 | 12.658 | 12.637 | 12.669 | VV | 201546     | 3719894  | 3.29%  | 0.104% |
| 198 | 12.691 | 12.669 | 12.715 | VV | 217154     | 5672043  | 5.01%  | 0.159% |
| 199 | 12.763 | 12.715 | 12.782 | VV | 263563     | 9101430  | 8.04%  | 0.255% |
| 200 | 12.795 | 12.782 | 12.810 | VV | 226023     | 3694834  | 3.27%  | 0.103% |
| 201 | 12.819 | 12.810 | 12.829 | VV | 228439     | 2564105  | 2.27%  | 0.072% |
| 202 | 12.844 | 12.829 | 12.857 | VV | 243105     | 3988373  | 3.52%  | 0.112% |
| 203 | 12.881 | 12.857 | 12.911 | VV | 421650     | 9744931  | 8.61%  | 0.273% |
| 204 | 12.934 | 12.911 | 12.999 | VV | 266491     | 13541115 | 11.97% | 0.379% |
| 205 | 13.015 | 12.999 | 13.034 | VV | 257917     | 5182922  | 4.58%  | 0.145% |
| 206 | 13.050 | 13.034 | 13.066 | VV | 266718     | 5029741  | 4.45%  | 0.141% |
| 207 | 13.108 | 13.066 | 13.128 | VV | 286109     | 10041062 | 8.87%  | 0.281% |
| 208 | 13.158 | 13.128 | 13.166 | VV | 279587     | 6182078  | 5.46%  | 0.173% |
| 209 | 13.200 | 13.166 | 13.222 | VV | 299211     | 9555523  | 8.44%  | 0.267% |
| 210 | 13.239 | 13.222 | 13.254 | VV | 296523     | 5570527  | 4.92%  | 0.156% |
| 211 | 13.275 | 13.254 | 13.292 | VV | 325540     | 7160137  | 6.33%  | 0.200% |
| 212 | 13.331 | 13.292 | 13.361 | VV | 323804     | 13015096 | 11.50% | 0.364% |
| 213 | 13.368 | 13.361 | 13.387 | VV | 324968     | 5028055  | 4.44%  | 0.141% |
| 214 | 13.405 | 13.387 | 13.421 | VV | 360718     | 6902573  | 6.10%  | 0.193% |
| 215 | 13.436 | 13.421 | 13.447 | VV | 339506     | 5155419  | 4.56%  | 0.144% |
| 216 | 13.469 | 13.447 | 13.501 | VV | 360749     | 11042934 | 9.76%  | 0.309% |
| 217 | 13.554 | 13.501 | 13.601 | VV | 370519     | 21051717 | 18.60% | 0.589% |
| 218 | 13.624 | 13.601 | 13.664 | VV | 390961     | 14194518 | 12.54% | 0.397% |
| 219 | 13.673 | 13.664 | 13.680 | VV | 372589     | 3499754  | 3.09%  | 0.098% |
| 220 | 13.730 | 13.680 | 13.749 | VV | 402038     | 15978112 | 14.12% | 0.447% |
| 221 | 13.786 | 13.749 | 13.804 | VV | 422756     | 13459464 | 11.89% | 0.377% |
| 222 | 13.879 | 13.804 | 13.891 | VV | 455082     | 22297889 | 19.71% | 0.624% |
| 223 | 13.905 | 13.891 | 13.914 | VV | 458148     | 6255993  | 5.53%  | 0.175% |
| 224 | 13.945 | 13.914 | 13.981 | VV | 489386     | 18772550 | 16.59% | 0.525% |
| 225 | 14.036 | 13.981 | 14.065 | VV | 492231     | 23715229 | 20.96% | 0.663% |
| 226 | 14.075 | 14.065 | 14.101 | VV | 483471     | 9979249  | 8.82%  | 0.279% |
| 227 | 14.123 | 14.101 | 14.143 | VV | 496587     | 12164697 | 10.75% | 0.340% |
| 228 | 14.163 | 14.143 | 14.181 | VV | 488383     | 10799725 | 9.54%  | 0.302% |
| 229 | 14.206 | 14.181 | 14.225 | VV | 535937     | 13750305 | 12.15% | 0.385% |
| 230 | 14.274 | 14.225 | 14.294 | VV | 593206     | 22842780 | 20.19% | 0.639% |
| 231 | 14.300 | 14.294 | 14.315 | VV | 589639     | 7198658  | 6.36%  | 0.201% |
| 232 | 14.332 | 14.315 | 14.348 | VV | 569314     | 11174842 | 9.88%  | 0.313% |
| 233 | 14.369 | 14.348 | 14.410 | VV | 577246     | 21160567 | 18.70% | 0.592% |
| 234 | 14.436 | 14.410 | 14.466 | VV | 650380     | 20061081 | 17.73% | 0.561% |
| 235 | 14.497 | 14.466 | 14.535 | VV | 649263     | 25676945 | 22.69% | 0.718% |
| 236 | 14.578 | 14.535 | 14.614 | VV | 650278     | 29142677 | 25.76% | 0.815% |
| 237 | 14.642 | 14.614 | 14.660 | VV | 663111     | 17237430 | 15.23% | 0.482% |
| 238 | 14.693 | 14.660 | 14.708 | VV | 664242     | 18610136 | 16.45% | 0.521% |
| 239 | 14.747 | 14.708 | 14.765 | VV | 771375     | 24383349 | 21.55% | 0.682% |
| 240 | 14.781 | 14.765 | 14.804 | VV | 791987     | 17240083 | 15.24% | 0.482% |
| 241 | 14.822 | 14.804 | 14.841 | VV | 712771     | 15268000 | 13.49% | 0.427% |
| 242 | 14.867 | 14.841 | 14.877 | VV | 698161     | 15022090 | 13.28% | 0.420% |
| 243 | 14.884 | 14.877 | 14.920 | VV | 709975     | 17737328 | 15.68% | 0.496% |
| 244 | 14.983 | 14.920 | 15.016 | VV | 824122     | 43035060 | 38.03% | 1.204% |
| 245 | 15.032 | 15.016 | 15.052 | VV | 814334     | 17033449 | 15.05% | 0.477% |
| 246 | 15.073 | 15.052 | 15.131 | VV | 799744     | 35988325 | 31.81% | 1.007% |

|     |        |        |        |    | rteres.txt |           |         |        |
|-----|--------|--------|--------|----|------------|-----------|---------|--------|
| 247 | 15.170 | 15.131 | 15.186 | VV | 835394     | 25617894  | 22.64%  | 0.717% |
| 248 | 15.199 | 15.186 | 15.226 | VV | 848022     | 19845627  | 17.54%  | 0.555% |
| 249 | 15.251 | 15.226 | 15.294 | VV | 947828     | 36415349  | 32.18%  | 1.019% |
| 250 | 15.318 | 15.294 | 15.364 | VV | 901974     | 35384676  | 31.27%  | 0.990% |
| 251 | 15.386 | 15.364 | 15.417 | VV | 933584     | 27123307  | 23.97%  | 0.759% |
| 252 | 15.440 | 15.417 | 15.457 | VV | 910121     | 20554530  | 18.17%  | 0.575% |
| 253 | 15.501 | 15.457 | 15.534 | VV | 1014249    | 43148062  | 38.13%  | 1.207% |
| 254 | 15.590 | 15.534 | 15.624 | VV | 1012245    | 51578563  | 45.58%  | 1.443% |
| 255 | 15.634 | 15.624 | 15.666 | VV | 952605     | 23055764  | 20.38%  | 0.645% |
| 256 | 15.695 | 15.666 | 15.712 | VV | 977571     | 25855504  | 22.85%  | 0.723% |
| 257 | 15.751 | 15.712 | 15.796 | VV | 1095166    | 51742808  | 45.73%  | 1.448% |
| 258 | 15.805 | 15.796 | 15.841 | VV | 1011819    | 26341734  | 23.28%  | 0.737% |
| 259 | 15.861 | 15.841 | 15.870 | VV | 950468     | 16402046  | 14.50%  | 0.459% |
| 260 | 15.918 | 15.870 | 15.927 | VV | 1047186    | 33021727  | 29.18%  | 0.924% |
| 261 | 15.972 | 15.927 | 16.034 | VV | 1427961    | 73874770  | 65.29%  | 2.067% |
| 262 | 16.062 | 16.034 | 16.084 | VV | 1194718    | 32945289  | 29.12%  | 0.922% |
| 263 | 16.104 | 16.084 | 16.120 | VV | 1140021    | 24195626  | 21.38%  | 0.677% |
| 264 | 16.136 | 16.120 | 16.180 | VV | 1166881    | 40547109  | 35.83%  | 1.134% |
| 265 | 16.229 | 16.180 | 16.281 | VV | 1149633    | 65135032  | 57.56%  | 1.822% |
| 266 | 16.294 | 16.281 | 16.313 | VV | 1054216    | 19960213  | 17.64%  | 0.558% |
| 267 | 16.338 | 16.313 | 16.349 | VV | 1082209    | 22279087  | 19.69%  | 0.623% |
| 268 | 16.414 | 16.349 | 16.440 | VV | 1225541    | 62186361  | 54.96%  | 1.740% |
| 269 | 16.449 | 16.440 | 16.467 | VV | 1197261    | 18959288  | 16.76%  | 0.530% |
| 270 | 16.480 | 16.467 | 16.509 | VV | 1213698    | 29632957  | 26.19%  | 0.829% |
| 271 | 16.529 | 16.509 | 16.552 | VV | 1165775    | 29130496  | 25.74%  | 0.815% |
| 272 | 16.575 | 16.552 | 16.595 | VV | 1206845    | 30014283  | 26.53%  | 0.840% |
| 273 | 16.606 | 16.595 | 16.620 | VV | 1154202    | 16768059  | 14.82%  | 0.469% |
| 274 | 16.662 | 16.620 | 16.672 | VV | 1165772    | 35116466  | 31.03%  | 0.982% |
| 275 | 16.705 | 16.672 | 16.728 | VV | 1285249    | 41218999  | 36.43%  | 1.153% |
| 276 | 16.743 | 16.728 | 16.775 | VV | 1298951    | 34485177  | 30.48%  | 0.965% |
| 277 | 16.831 | 16.775 | 16.870 | VV | 1269049    | 68585296  | 60.61%  | 1.919% |
| 278 | 16.912 | 16.870 | 16.927 | VV | 1271107    | 41896360  | 37.03%  | 1.172% |
| 279 | 16.963 | 16.927 | 17.005 | VV | 1959931    | 69862292  | 61.74%  | 1.954% |
| 280 | 17.042 | 17.005 | 17.084 | VV | 1359665    | 58260615  | 51.49%  | 1.630% |
| 281 | 17.138 | 17.084 | 17.170 | VV | 1808032    | 70825724  | 62.59%  | 1.981% |
| 282 | 17.202 | 17.170 | 17.230 | VV | 1171608    | 40083471  | 35.42%  | 1.121% |
| 283 | 17.287 | 17.230 | 17.315 | VV | 1602551    | 64131214  | 56.68%  | 1.794% |
| 284 | 17.335 | 17.315 | 17.351 | VV | 1171620    | 24710366  | 21.84%  | 0.691% |
| 285 | 17.369 | 17.351 | 17.409 | VV | 1200067    | 38043571  | 33.62%  | 1.064% |
| 286 | 17.431 | 17.409 | 17.445 | VV | 1128488    | 24290878  | 21.47%  | 0.680% |
| 287 | 17.457 | 17.445 | 17.479 | VV | 1196068    | 22591976  | 19.97%  | 0.632% |
| 288 | 17.502 | 17.479 | 17.527 | VV | 1215204    | 31705542  | 28.02%  | 0.887% |
| 289 | 17.548 | 17.527 | 17.568 | VV | 1087594    | 26261383  | 23.21%  | 0.735% |
| 290 | 17.586 | 17.568 | 17.629 | VV | 1086521    | 38050618  | 33.63%  | 1.065% |
| 291 | 17.654 | 17.629 | 17.677 | VV | 1266318    | 32060785  | 28.33%  | 0.897% |
| 292 | 17.696 | 17.677 | 17.705 | VV | 1055521    | 17472795  | 15.44%  | 0.489% |
| 293 | 17.764 | 17.705 | 17.834 | VV | 2276355    | 113152620 | 100.00% | 3.166% |
| 294 | 17.853 | 17.834 | 17.876 | VV | 1010752    | 24059763  | 21.26%  | 0.673% |
| 295 | 17.906 | 17.876 | 17.919 | VV | 950502     | 23940598  | 21.16%  | 0.670% |
| 296 | 17.952 | 17.919 | 18.037 | VV | 1317281    | 67545640  | 59.69%  | 1.890% |
| 297 | 18.129 | 18.037 | 18.172 | VV | 2467766    | 99973975  | 88.35%  | 2.797% |
| 298 | 18.183 | 18.172 | 18.216 | VV | 839107     | 20328490  | 17.97%  | 0.569% |
| 299 | 18.229 | 18.216 | 18.246 | VV | 783133     | 14075316  | 12.44%  | 0.394% |

| rteres.txt |        |        |        |    |         |          |        |        |
|------------|--------|--------|--------|----|---------|----------|--------|--------|
| 300        | 18.270 | 18.246 | 18.368 | VV | 972914  | 54348936 | 48.03% | 1.520% |
| 301        | 18.398 | 18.368 | 18.410 | VV | 659777  | 16130078 | 14.26% | 0.451% |
| 302        | 18.426 | 18.410 | 18.435 | VV | 654338  | 9282238  | 8.20%  | 0.260% |
| 303        | 18.445 | 18.435 | 18.500 | VV | 658423  | 24515304 | 21.67% | 0.686% |
| 304        | 18.529 | 18.500 | 18.552 | VV | 1050927 | 25283994 | 22.35% | 0.707% |
| 305        | 18.578 | 18.552 | 18.603 | VV | 975121  | 23699316 | 20.94% | 0.663% |
| 306        | 18.618 | 18.603 | 18.636 | VV | 631328  | 12183707 | 10.77% | 0.341% |
| 307        | 18.655 | 18.636 | 18.680 | VV | 640266  | 15941580 | 14.09% | 0.446% |
| 308        | 18.701 | 18.680 | 18.760 | VV | 700718  | 27770328 | 24.54% | 0.777% |
| 309        | 18.774 | 18.760 | 18.794 | VV | 520290  | 10245376 | 9.05%  | 0.287% |
| 310        | 18.852 | 18.794 | 18.879 | VV | 780958  | 29763542 | 26.30% | 0.833% |
| 311        | 18.919 | 18.879 | 18.959 | VV | 672814  | 25153985 | 22.23% | 0.704% |
| 312        | 19.000 | 18.959 | 19.007 | VV | 480217  | 13130062 | 11.60% | 0.367% |
| 313        | 19.028 | 19.007 | 19.044 | VV | 499177  | 10826560 | 9.57%  | 0.303% |
| 314        | 19.053 | 19.044 | 19.135 | VV | 467098  | 24327226 | 21.50% | 0.681% |
| 315        | 19.171 | 19.135 | 19.190 | VV | 454287  | 14141757 | 12.50% | 0.396% |
| 316        | 19.224 | 19.190 | 19.282 | VV | 602371  | 25045115 | 22.13% | 0.701% |
| 317        | 19.319 | 19.282 | 19.374 | VV | 516803  | 22773115 | 20.13% | 0.637% |
| 318        | 19.414 | 19.374 | 19.437 | VV | 411294  | 14477498 | 12.79% | 0.405% |
| 319        | 19.482 | 19.437 | 19.513 | VV | 392014  | 17134359 | 15.14% | 0.479% |
| 320        | 19.534 | 19.513 | 19.554 | VV | 372882  | 8945475  | 7.91%  | 0.250% |
| 321        | 19.568 | 19.554 | 19.581 | VV | 363614  | 5787484  | 5.11%  | 0.162% |
| 322        | 19.614 | 19.581 | 19.671 | VV | 421321  | 19700639 | 17.41% | 0.551% |
| 323        | 19.715 | 19.671 | 19.762 | VV | 378094  | 18665758 | 16.50% | 0.522% |
| 324        | 19.776 | 19.762 | 19.787 | VV | 320126  | 4718254  | 4.17%  | 0.132% |
| 325        | 19.802 | 19.787 | 19.858 | VV | 328243  | 13474476 | 11.91% | 0.377% |
| 326        | 19.875 | 19.858 | 19.953 | VV | 328345  | 17208060 | 15.21% | 0.481% |
| 327        | 19.996 | 19.953 | 20.019 | VV | 315854  | 11765651 | 10.40% | 0.329% |
| 328        | 20.029 | 20.019 | 20.070 | VV | 286415  | 8654757  | 7.65%  | 0.242% |
| 329        | 20.102 | 20.070 | 20.162 | VV | 310947  | 15978645 | 14.12% | 0.447% |
| 330        | 20.181 | 20.162 | 20.240 | VV | 307656  | 13186581 | 11.65% | 0.369% |
| 331        | 20.246 | 20.240 | 20.257 | VV | 260329  | 2539537  | 2.24%  | 0.071% |
| 332        | 20.266 | 20.257 | 20.281 | VV | 255157  | 3491838  | 3.09%  | 0.098% |
| 333        | 20.289 | 20.281 | 20.319 | VV | 250852  | 5511399  | 4.87%  | 0.154% |
| 334        | 20.335 | 20.319 | 20.355 | VV | 240124  | 5023182  | 4.44%  | 0.141% |
| 335        | 20.389 | 20.355 | 20.419 | VV | 243063  | 8870739  | 7.84%  | 0.248% |
| 336        | 20.439 | 20.419 | 20.477 | VV | 246034  | 8026241  | 7.09%  | 0.225% |
| 337        | 20.509 | 20.477 | 20.550 | VV | 232284  | 9228143  | 8.16%  | 0.258% |
| 338        | 20.596 | 20.550 | 20.645 | VV | 231611  | 11296107 | 9.98%  | 0.316% |
| 339        | 20.662 | 20.645 | 20.684 | VV | 166313  | 3719751  | 3.29%  | 0.104% |
| 340        | 20.694 | 20.684 | 20.744 | VV | 161644  | 5504688  | 4.86%  | 0.154% |
| 341        | 20.752 | 20.744 | 20.762 | VV | 147492  | 1585819  | 1.40%  | 0.044% |
| 342        | 20.772 | 20.762 | 20.797 | VV | 144902  | 2912241  | 2.57%  | 0.081% |
| 343        | 20.822 | 20.797 | 20.857 | VV | 139416  | 4834952  | 4.27%  | 0.135% |
| 344        | 20.863 | 20.857 | 20.892 | VV | 133868  | 2660402  | 2.35%  | 0.074% |
| 345        | 20.926 | 20.892 | 20.947 | VV | 127180  | 3959780  | 3.50%  | 0.111% |
| 346        | 20.975 | 20.947 | 20.990 | VV | 116411  | 2884175  | 2.55%  | 0.081% |
| 347        | 21.011 | 20.990 | 21.069 | VV | 114018  | 4919528  | 4.35%  | 0.138% |
| 348        | 21.091 | 21.069 | 21.107 | VV | 100667  | 2120290  | 1.87%  | 0.059% |
| 349        | 21.116 | 21.107 | 21.127 | VV | 88695   | 1100643  | 0.97%  | 0.031% |
| 350        | 21.135 | 21.127 | 21.200 | VV | 91751   | 3784337  | 3.34%  | 0.106% |
| 351        | 21.216 | 21.200 | 21.265 | VV | 84560   | 2990331  | 2.64%  | 0.084% |

|     |        |        |        |     |                         |            |       |        |
|-----|--------|--------|--------|-----|-------------------------|------------|-------|--------|
|     |        |        |        |     | rteres.txt              |            |       |        |
| 352 | 21.286 | 21.265 | 21.319 | VV  | 78747                   | 2301210    | 2.03% | 0.064% |
| 353 | 21.336 | 21.319 | 21.377 | VV  | 67519                   | 2159471    | 1.91% | 0.060% |
| 354 | 21.384 | 21.377 | 21.402 | VV  | 58759                   | 846459     | 0.75% | 0.024% |
| 355 | 21.426 | 21.402 | 21.447 | VV  | 57720                   | 1470482    | 1.30% | 0.041% |
| 356 | 21.465 | 21.447 | 21.507 | VV  | 56488                   | 1894642    | 1.67% | 0.053% |
| 357 | 21.515 | 21.507 | 21.544 | VV  | 50797                   | 1034154    | 0.91% | 0.029% |
| 358 | 21.556 | 21.544 | 21.604 | VV  | 45423                   | 1520010    | 1.34% | 0.043% |
| 359 | 21.616 | 21.604 | 21.677 | VV  | 40717                   | 1617869    | 1.43% | 0.045% |
| 360 | 21.684 | 21.677 | 21.749 | VV  | 35318                   | 1284573    | 1.14% | 0.036% |
| 361 | 21.762 | 21.749 | 21.801 | VBA | 30260                   | 880828     | 0.78% | 0.025% |
|     |        |        |        |     | Sum of corrected areas: | 3574461744 |       |        |

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