

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC073018AL\  
 Data File : FC035666.D  
 Signal(s) : FID1A.CH  
 Acq On : 31 Jul 2018 1:19  
 Sample : J4176-04DL 50X  
 Misc :  
 ALS Vial : 21 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         | 3.299       | 3.255        | 3.382      | PV       | 638            | 14277        | 0.07%          | 0.005%        |
| 2         | 3.409       | 3.382        | 3.435      | VV       | 173            | 3125         | 0.01%          | 0.001%        |
| 3         | 3.475       | 3.435        | 3.492      | PV       | 239            | 2770         | 0.01%          | 0.001%        |
| 4         | 3.514       | 3.492        | 3.540      | VV       | 241            | 5495         | 0.03%          | 0.002%        |
| 5         | 3.542       | 3.540        | 3.557      | VV       | 222            | 1380         | 0.01%          | 0.000%        |
| 6         | 3.596       | 3.557        | 3.624      | VV       | 642            | 12489        | 0.06%          | 0.004%        |
| 7         | 3.631       | 3.624        | 3.677      | VV       | 341            | 5017         | 0.02%          | 0.002%        |
| 8         | 3.719       | 3.677        | 3.740      | PV       | 462            | 9892         | 0.05%          | 0.003%        |
| 9         | 3.743       | 3.740        | 3.752      | VV       | 308            | 1601         | 0.01%          | 0.001%        |
| 10        | 3.764       | 3.752        | 3.789      | VV       | 271            | 4172         | 0.02%          | 0.001%        |
| 11        | 3.794       | 3.789        | 3.807      | VV       | 197            | 1725         | 0.01%          | 0.001%        |
| 12        | 3.822       | 3.807        | 3.867      | VV       | 318            | 6862         | 0.03%          | 0.002%        |
| 13        | 3.899       | 3.867        | 3.959      | VV       | 1856           | 46045        | 0.21%          | 0.015%        |
| 14        | 3.969       | 3.959        | 4.064      | VV       | 774            | 32962        | 0.15%          | 0.010%        |
| 15        | 4.088       | 4.064        | 4.124      | VV       | 589            | 14783        | 0.07%          | 0.005%        |
| 16        | 4.132       | 4.124        | 4.174      | VV       | 386            | 8762         | 0.04%          | 0.003%        |
| 17        | 4.182       | 4.174        | 4.189      | VV       | 300            | 2368         | 0.01%          | 0.001%        |
| 18        | 4.209       | 4.189        | 4.220      | VV       | 329            | 4420         | 0.02%          | 0.001%        |
| 19        | 4.251       | 4.220        | 4.280      | VV       | 273            | 7622         | 0.04%          | 0.002%        |
| 20        | 4.297       | 4.280        | 4.322      | VV       | 271            | 4591         | 0.02%          | 0.001%        |
| 21        | 4.341       | 4.322        | 4.367      | VV       | 405            | 6650         | 0.03%          | 0.002%        |
| 22        | 4.377       | 4.367        | 4.424      | VV       | 301            | 6268         | 0.03%          | 0.002%        |
| 23        | 4.452       | 4.424        | 4.482      | VV       | 758            | 15501        | 0.07%          | 0.005%        |
| 24        | 4.497       | 4.482        | 4.544      | VV       | 476            | 11829        | 0.05%          | 0.004%        |
| 25        | 4.559       | 4.544        | 4.580      | VV       | 385            | 4370         | 0.02%          | 0.001%        |
| 26        | 4.592       | 4.580        | 4.610      | VV       | 153            | 1908         | 0.01%          | 0.001%        |
| 27        | 4.625       | 4.610        | 4.652      | VV       | 234            | 3399         | 0.02%          | 0.001%        |
| 28        | 4.717       | 4.652        | 4.760      | PV       | 10857          | 159274       | 0.74%          | 0.050%        |
| 29        | 4.775       | 4.760        | 4.837      | VV       | 1176           | 25157        | 0.12%          | 0.008%        |
| 30        | 4.861       | 4.837        | 4.990      | VV       | 481            | 28440        | 0.13%          | 0.009%        |
| 31        | 5.030       | 4.990        | 5.083      | VV       | 502            | 16864        | 0.08%          | 0.005%        |
| 32        | 5.090       | 5.083        | 5.102      | VV       | 257            | 2636         | 0.01%          | 0.001%        |
| 33        | 5.148       | 5.102        | 5.161      | VV       | 946            | 14737        | 0.07%          | 0.005%        |
| 34        | 5.174       | 5.161        | 5.245      | VV       | 853            | 26211        | 0.12%          | 0.008%        |
| 35        | 5.261       | 5.245        | 5.284      | VV       | 384            | 6873         | 0.03%          | 0.002%        |
| 36        | 5.291       | 5.284        | 5.315      | VV       | 247            | 4717         | 0.02%          | 0.001%        |

|    |       |       |       |    |            |        |       |        |  |
|----|-------|-------|-------|----|------------|--------|-------|--------|--|
|    |       |       |       |    | rteres.txt |        |       |        |  |
| 37 | 5.377 | 5.315 | 5.389 | VV | 293        | 11078  | 0.05% | 0.003% |  |
| 38 | 5.409 | 5.389 | 5.440 | VV | 566        | 13391  | 0.06% | 0.004% |  |
| 39 | 5.480 | 5.440 | 5.500 | VV | 729        | 19667  | 0.09% | 0.006% |  |
| 40 | 5.534 | 5.500 | 5.545 | VV | 628        | 13908  | 0.06% | 0.004% |  |
| 41 | 5.568 | 5.545 | 5.585 | VV | 665        | 13784  | 0.06% | 0.004% |  |
| 42 | 5.614 | 5.585 | 5.639 | VV | 862        | 21080  | 0.10% | 0.007% |  |
| 43 | 5.673 | 5.639 | 5.712 | VV | 2100       | 63599  | 0.29% | 0.020% |  |
| 44 | 5.728 | 5.712 | 5.785 | VV | 1404       | 46569  | 0.22% | 0.015% |  |
| 45 | 5.806 | 5.785 | 5.815 | VV | 2455       | 32470  | 0.15% | 0.010% |  |
| 46 | 5.830 | 5.815 | 5.893 | VV | 4597       | 78715  | 0.36% | 0.025% |  |
| 47 | 5.911 | 5.893 | 5.972 | VV | 658        | 21406  | 0.10% | 0.007% |  |
| 48 | 6.001 | 5.972 | 6.052 | VV | 1090       | 28186  | 0.13% | 0.009% |  |
| 49 | 6.089 | 6.052 | 6.129 | VV | 2356       | 53885  | 0.25% | 0.017% |  |
| 50 | 6.151 | 6.129 | 6.184 | VV | 789        | 18740  | 0.09% | 0.006% |  |
| 51 | 6.193 | 6.184 | 6.215 | VV | 571        | 9689   | 0.04% | 0.003% |  |
| 52 | 6.223 | 6.215 | 6.229 | VV | 425        | 3756   | 0.02% | 0.001% |  |
| 53 | 6.260 | 6.229 | 6.367 | VV | 4876       | 110588 | 0.51% | 0.035% |  |
| 54 | 6.415 | 6.367 | 6.454 | VV | 1195       | 37364  | 0.17% | 0.012% |  |
| 55 | 6.457 | 6.454 | 6.472 | VV | 540        | 5426   | 0.03% | 0.002% |  |
| 56 | 6.485 | 6.472 | 6.540 | VV | 675        | 21384  | 0.10% | 0.007% |  |
| 57 | 6.562 | 6.540 | 6.623 | VV | 1482       | 45591  | 0.21% | 0.014% |  |
| 58 | 6.633 | 6.623 | 6.664 | VV | 449        | 8382   | 0.04% | 0.003% |  |
| 59 | 6.687 | 6.664 | 6.726 | VV | 565        | 15699  | 0.07% | 0.005% |  |
| 60 | 6.774 | 6.726 | 6.787 | VV | 754        | 20106  | 0.09% | 0.006% |  |
| 61 | 6.802 | 6.787 | 6.844 | VV | 819        | 20553  | 0.09% | 0.006% |  |
| 62 | 6.866 | 6.844 | 6.910 | VV | 1994       | 37878  | 0.17% | 0.012% |  |
| 63 | 6.923 | 6.910 | 6.951 | VV | 543        | 10322  | 0.05% | 0.003% |  |
| 64 | 6.982 | 6.951 | 7.029 | VV | 624        | 18106  | 0.08% | 0.006% |  |
| 65 | 7.068 | 7.029 | 7.077 | VV | 495        | 10213  | 0.05% | 0.003% |  |
| 66 | 7.096 | 7.077 | 7.119 | VV | 844        | 14273  | 0.07% | 0.004% |  |
| 67 | 7.132 | 7.119 | 7.144 | VV | 598        | 8045   | 0.04% | 0.003% |  |
| 68 | 7.165 | 7.144 | 7.177 | VV | 762        | 12393  | 0.06% | 0.004% |  |
| 69 | 7.185 | 7.177 | 7.210 | VV | 724        | 13250  | 0.06% | 0.004% |  |
| 70 | 7.228 | 7.210 | 7.278 | VV | 953        | 15658  | 0.07% | 0.005% |  |
| 71 | 7.321 | 7.278 | 7.349 | PV | 787        | 12445  | 0.06% | 0.004% |  |
| 72 | 7.370 | 7.349 | 7.400 | VV | 656        | 13613  | 0.06% | 0.004% |  |
| 73 | 7.425 | 7.400 | 7.462 | VV | 880        | 14457  | 0.07% | 0.005% |  |
| 74 | 7.530 | 7.462 | 7.587 | PV | 11642      | 157330 | 0.73% | 0.050% |  |
| 75 | 7.648 | 7.587 | 7.740 | VV | 1684       | 73859  | 0.34% | 0.023% |  |
| 76 | 7.753 | 7.740 | 7.766 | VV | 388        | 3452   | 0.02% | 0.001% |  |
| 77 | 7.788 | 7.766 | 7.805 | VV | 1927       | 24497  | 0.11% | 0.008% |  |
| 78 | 7.824 | 7.805 | 7.889 | VV | 15172      | 165695 | 0.77% | 0.052% |  |
| 79 | 7.986 | 7.889 | 8.014 | PV | 1982       | 48787  | 0.23% | 0.015% |  |
| 80 | 8.063 | 8.014 | 8.087 | VV | 10731      | 160251 | 0.74% | 0.051% |  |
| 81 | 8.105 | 8.087 | 8.133 | VV | 2179       | 46452  | 0.21% | 0.015% |  |
| 82 | 8.155 | 8.133 | 8.180 | VV | 4044       | 65520  | 0.30% | 0.021% |  |
| 83 | 8.218 | 8.180 | 8.302 | VV | 17940      | 290426 | 1.34% | 0.092% |  |
| 84 | 8.317 | 8.302 | 8.344 | VV | 1535       | 28151  | 0.13% | 0.009% |  |
| 85 | 8.349 | 8.344 | 8.362 | VV | 878        | 8507   | 0.04% | 0.003% |  |
| 86 | 8.388 | 8.362 | 8.420 | VV | 6974       | 92188  | 0.43% | 0.029% |  |
| 87 | 8.448 | 8.420 | 8.497 | VV | 3127       | 75783  | 0.35% | 0.024% |  |
| 88 | 8.521 | 8.497 | 8.537 | VV | 1748       | 32656  | 0.15% | 0.010% |  |
| 89 | 8.593 | 8.537 | 8.632 | VV | 5065       | 125629 | 0.58% | 0.040% |  |

| rteres.txt |        |        |        |    |       |         |       |        |
|------------|--------|--------|--------|----|-------|---------|-------|--------|
| 90         | 8.679  | 8.632  | 8.697  | VV | 1007  | 24737   | 0.11% | 0.008% |
| 91         | 8.723  | 8.697  | 8.762  | VV | 3719  | 78174   | 0.36% | 0.025% |
| 92         | 8.816  | 8.762  | 8.870  | VV | 26239 | 365469  | 1.69% | 0.115% |
| 93         | 8.905  | 8.870  | 8.957  | VV | 15396 | 227073  | 1.05% | 0.072% |
| 94         | 8.967  | 8.957  | 8.999  | VV | 585   | 9218    | 0.04% | 0.003% |
| 95         | 9.022  | 8.999  | 9.062  | PV | 6824  | 82618   | 0.38% | 0.026% |
| 96         | 9.103  | 9.062  | 9.160  | VV | 1448  | 40533   | 0.19% | 0.013% |
| 97         | 9.199  | 9.160  | 9.212  | PV | 3871  | 48953   | 0.23% | 0.015% |
| 98         | 9.250  | 9.212  | 9.315  | VV | 29706 | 575394  | 2.66% | 0.181% |
| 99         | 9.386  | 9.315  | 9.447  | VV | 52755 | 1621187 | 7.49% | 0.511% |
| 100        | 9.467  | 9.447  | 9.525  | VV | 3129  | 106346  | 0.49% | 0.034% |
| 101        | 9.546  | 9.525  | 9.572  | VV | 19951 | 244443  | 1.13% | 0.077% |
| 102        | 9.613  | 9.572  | 9.659  | VV | 23745 | 366013  | 1.69% | 0.115% |
| 103        | 9.711  | 9.659  | 9.750  | VV | 22904 | 473966  | 2.19% | 0.149% |
| 104        | 9.779  | 9.750  | 9.802  | VV | 41627 | 454781  | 2.10% | 0.143% |
| 105        | 9.810  | 9.802  | 9.832  | VV | 2975  | 34568   | 0.16% | 0.011% |
| 106        | 9.843  | 9.832  | 9.880  | VV | 1302  | 22455   | 0.10% | 0.007% |
| 107        | 9.910  | 9.880  | 9.935  | VV | 2710  | 41500   | 0.19% | 0.013% |
| 108        | 9.958  | 9.935  | 9.974  | VV | 3378  | 44716   | 0.21% | 0.014% |
| 109        | 10.022 | 9.974  | 10.055 | VV | 15295 | 309233  | 1.43% | 0.097% |
| 110        | 10.072 | 10.055 | 10.087 | VV | 1494  | 21847   | 0.10% | 0.007% |
| 111        | 10.112 | 10.087 | 10.181 | VV | 8637  | 201893  | 0.93% | 0.064% |
| 112        | 10.208 | 10.181 | 10.244 | PV | 20453 | 238645  | 1.10% | 0.075% |
| 113        | 10.269 | 10.244 | 10.305 | VV | 64488 | 771594  | 3.56% | 0.243% |
| 114        | 10.331 | 10.305 | 10.347 | VV | 85015 | 999785  | 4.62% | 0.315% |
| 115        | 10.357 | 10.347 | 10.370 | VV | 38420 | 416928  | 1.93% | 0.131% |
| 116        | 10.396 | 10.370 | 10.442 | VV | 45727 | 1091854 | 5.04% | 0.344% |
| 117        | 10.466 | 10.442 | 10.474 | VV | 26016 | 292263  | 1.35% | 0.092% |
| 118        | 10.488 | 10.474 | 10.505 | VV | 32818 | 467427  | 2.16% | 0.147% |
| 119        | 10.540 | 10.505 | 10.570 | VV | 71736 | 1786795 | 8.25% | 0.563% |
| 120        | 10.589 | 10.570 | 10.618 | VV | 92565 | 1242338 | 5.74% | 0.392% |
| 121        | 10.644 | 10.618 | 10.677 | VV | 50052 | 827358  | 3.82% | 0.261% |
| 122        | 10.708 | 10.677 | 10.772 | VV | 50218 | 865989  | 4.00% | 0.273% |
| 123        | 10.804 | 10.772 | 10.824 | VV | 7860  | 154137  | 0.71% | 0.049% |
| 124        | 10.858 | 10.824 | 10.889 | VV | 7658  | 229830  | 1.06% | 0.072% |
| 125        | 10.924 | 10.889 | 10.949 | VV | 12946 | 277534  | 1.28% | 0.087% |
| 126        | 10.975 | 10.949 | 10.994 | VV | 8838  | 165892  | 0.77% | 0.052% |
| 127        | 11.005 | 10.994 | 11.025 | VV | 4762  | 72757   | 0.34% | 0.023% |
| 128        | 11.053 | 11.025 | 11.067 | VV | 25407 | 338199  | 1.56% | 0.107% |
| 129        | 11.088 | 11.067 | 11.105 | VV | 59230 | 786243  | 3.63% | 0.248% |
| 130        | 11.122 | 11.105 | 11.174 | VV | 62210 | 861790  | 3.98% | 0.272% |
| 131        | 11.181 | 11.174 | 11.187 | VV | 3408  | 26219   | 0.12% | 0.008% |
| 132        | 11.199 | 11.187 | 11.220 | VV | 4066  | 60948   | 0.28% | 0.019% |
| 133        | 11.240 | 11.220 | 11.255 | VV | 5616  | 82893   | 0.38% | 0.026% |
| 134        | 11.272 | 11.255 | 11.308 | VV | 4298  | 80067   | 0.37% | 0.025% |
| 135        | 11.318 | 11.308 | 11.332 | VV | 649   | 6508    | 0.03% | 0.002% |
| 136        | 11.364 | 11.332 | 11.374 | PV | 8369  | 100166  | 0.46% | 0.032% |
| 137        | 11.390 | 11.374 | 11.407 | VV | 11446 | 173038  | 0.80% | 0.055% |
| 138        | 11.421 | 11.407 | 11.462 | VV | 10680 | 178695  | 0.83% | 0.056% |
| 139        | 11.502 | 11.462 | 11.515 | VV | 13449 | 228817  | 1.06% | 0.072% |
| 140        | 11.549 | 11.515 | 11.582 | VV | 31343 | 885911  | 4.09% | 0.279% |
| 141        | 11.599 | 11.582 | 11.641 | VV | 68159 | 897479  | 4.15% | 0.283% |

|     |        |        |        |    | rteres.txt |          |         |        |
|-----|--------|--------|--------|----|------------|----------|---------|--------|
| 142 | 11.665 | 11.641 | 11.702 | VV | 14976      | 288304   | 1.33%   | 0.091% |
| 143 | 11.724 | 11.702 | 11.744 | VV | 7374       | 134012   | 0.62%   | 0.042% |
| 144 | 11.789 | 11.744 | 11.810 | VV | 22058      | 460473   | 2.13%   | 0.145% |
| 145 | 11.839 | 11.810 | 11.864 | VV | 19276      | 380551   | 1.76%   | 0.120% |
| 146 | 11.871 | 11.864 | 11.894 | VV | 9287       | 145344   | 0.67%   | 0.046% |
| 147 | 11.919 | 11.894 | 11.930 | VV | 12726      | 226493   | 1.05%   | 0.071% |
| 148 | 11.959 | 11.930 | 11.981 | VV | 51019      | 881548   | 4.07%   | 0.278% |
| 149 | 12.094 | 11.981 | 12.141 | VV | 767450     | 21645631 | 100.00% | 6.824% |
| 150 | 12.149 | 12.141 | 12.189 | VV | 47552      | 1140755  | 5.27%   | 0.360% |
| 151 | 12.200 | 12.189 | 12.224 | VV | 33636      | 684620   | 3.16%   | 0.216% |
| 152 | 12.247 | 12.224 | 12.277 | VV | 41440      | 1101397  | 5.09%   | 0.347% |
| 153 | 12.287 | 12.277 | 12.300 | VV | 26778      | 356227   | 1.65%   | 0.112% |
| 154 | 12.368 | 12.300 | 12.393 | VV | 80612      | 2185236  | 10.10%  | 0.689% |
| 155 | 12.428 | 12.393 | 12.458 | VV | 243363     | 3830270  | 17.70%  | 1.208% |
| 156 | 12.474 | 12.458 | 12.514 | VV | 29157      | 890541   | 4.11%   | 0.281% |
| 157 | 12.540 | 12.514 | 12.590 | VV | 47915      | 1364181  | 6.30%   | 0.430% |
| 158 | 12.607 | 12.590 | 12.627 | VV | 23812      | 448401   | 2.07%   | 0.141% |
| 159 | 12.680 | 12.627 | 12.719 | VV | 34044      | 1470206  | 6.79%   | 0.463% |
| 160 | 12.727 | 12.719 | 12.740 | VV | 23875      | 297310   | 1.37%   | 0.094% |
| 161 | 12.786 | 12.740 | 12.799 | VV | 35844      | 1087601  | 5.02%   | 0.343% |
| 162 | 12.836 | 12.799 | 12.864 | VV | 145378     | 3091297  | 14.28%  | 0.975% |
| 163 | 12.872 | 12.864 | 12.896 | VV | 57653      | 839416   | 3.88%   | 0.265% |
| 164 | 12.911 | 12.896 | 12.925 | VV | 28946      | 466912   | 2.16%   | 0.147% |
| 165 | 12.947 | 12.925 | 12.967 | VV | 45059      | 851242   | 3.93%   | 0.268% |
| 166 | 12.982 | 12.967 | 13.004 | VV | 31882      | 601312   | 2.78%   | 0.190% |
| 167 | 13.040 | 13.004 | 13.061 | VV | 48574      | 1123553  | 5.19%   | 0.354% |
| 168 | 13.090 | 13.061 | 13.123 | VV | 54663      | 1599387  | 7.39%   | 0.504% |
| 169 | 13.158 | 13.123 | 13.188 | VV | 44406      | 1509983  | 6.98%   | 0.476% |
| 170 | 13.247 | 13.188 | 13.264 | VV | 684609     | 10598981 | 48.97%  | 3.341% |
| 171 | 13.292 | 13.264 | 13.332 | VV | 487181     | 8876254  | 41.01%  | 2.798% |
| 172 | 13.343 | 13.332 | 13.402 | VV | 47106      | 1727824  | 7.98%   | 0.545% |
| 173 | 13.415 | 13.402 | 13.428 | VV | 38003      | 575514   | 2.66%   | 0.181% |
| 174 | 13.465 | 13.428 | 13.499 | VV | 54592      | 1693003  | 7.82%   | 0.534% |
| 175 | 13.514 | 13.499 | 13.523 | VV | 32762      | 464962   | 2.15%   | 0.147% |
| 176 | 13.571 | 13.523 | 13.595 | VV | 130479     | 2566693  | 11.86%  | 0.809% |
| 177 | 13.624 | 13.595 | 13.651 | VV | 304981     | 4350864  | 20.10%  | 1.372% |
| 178 | 13.674 | 13.651 | 13.695 | VV | 42939      | 910200   | 4.21%   | 0.287% |
| 179 | 13.710 | 13.695 | 13.717 | VV | 29557      | 366810   | 1.69%   | 0.116% |
| 180 | 13.731 | 13.717 | 13.750 | VV | 32549      | 586071   | 2.71%   | 0.185% |
| 181 | 13.760 | 13.750 | 13.787 | VV | 25664      | 494990   | 2.29%   | 0.156% |
| 182 | 13.826 | 13.787 | 13.860 | VV | 38717      | 1144221  | 5.29%   | 0.361% |
| 183 | 13.881 | 13.860 | 13.897 | VV | 23589      | 490817   | 2.27%   | 0.155% |
| 184 | 13.911 | 13.897 | 13.929 | VV | 22640      | 423289   | 1.96%   | 0.133% |
| 185 | 13.981 | 13.929 | 13.998 | VV | 146439     | 2682209  | 12.39%  | 0.846% |
| 186 | 14.006 | 13.998 | 14.037 | VV | 89888      | 1386603  | 6.41%   | 0.437% |
| 187 | 14.055 | 14.037 | 14.066 | VV | 36544      | 580262   | 2.68%   | 0.183% |
| 188 | 14.091 | 14.066 | 14.120 | VV | 60666      | 1597716  | 7.38%   | 0.504% |
| 189 | 14.134 | 14.120 | 14.153 | VV | 53851      | 909318   | 4.20%   | 0.287% |
| 190 | 14.183 | 14.153 | 14.210 | VV | 86987      | 1946140  | 8.99%   | 0.614% |
| 191 | 14.245 | 14.210 | 14.264 | VV | 380720     | 5705196  | 26.36%  | 1.799% |
| 192 | 14.277 | 14.264 | 14.362 | VV | 154048     | 4287927  | 19.81%  | 1.352% |
| 193 | 14.410 | 14.362 | 14.454 | VV | 562019     | 8393099  | 38.78%  | 2.646% |
| 194 | 14.467 | 14.454 | 14.502 | VV | 30940      | 749605   | 3.46%   | 0.236% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 14.557 | 14.502 | 14.570 | VV | 75842      | 1701258 | 7.86%  | 0.536% |
| 196 | 14.582 | 14.570 | 14.626 | VV | 74332      | 1516786 | 7.01%  | 0.478% |
| 197 | 14.675 | 14.626 | 14.696 | VV | 101827     | 2074528 | 9.58%  | 0.654% |
| 198 | 14.722 | 14.696 | 14.750 | VV | 257160     | 3714034 | 17.16% | 1.171% |
| 199 | 14.779 | 14.750 | 14.810 | VV | 43796      | 1098109 | 5.07%  | 0.346% |
| 200 | 14.827 | 14.810 | 14.842 | VV | 20386      | 366902  | 1.70%  | 0.116% |
| 201 | 14.859 | 14.842 | 14.881 | VV | 21922      | 444520  | 2.05%  | 0.140% |
| 202 | 14.906 | 14.881 | 14.935 | VV | 24224      | 705603  | 3.26%  | 0.222% |
| 203 | 14.954 | 14.935 | 14.984 | VV | 36124      | 797379  | 3.68%  | 0.251% |
| 204 | 15.009 | 14.984 | 15.032 | VV | 58670      | 1012371 | 4.68%  | 0.319% |
| 205 | 15.074 | 15.032 | 15.129 | VV | 137446     | 3342736 | 15.44% | 1.054% |
| 206 | 15.137 | 15.129 | 15.150 | VV | 26353      | 325177  | 1.50%  | 0.103% |
| 207 | 15.191 | 15.150 | 15.217 | VV | 31068      | 1088917 | 5.03%  | 0.343% |
| 208 | 15.252 | 15.217 | 15.304 | VV | 105888     | 2432806 | 11.24% | 0.767% |
| 209 | 15.329 | 15.304 | 15.352 | VV | 70195      | 1281523 | 5.92%  | 0.404% |
| 210 | 15.362 | 15.352 | 15.375 | VV | 35659      | 482288  | 2.23%  | 0.152% |
| 211 | 15.388 | 15.375 | 15.436 | VV | 42883      | 969164  | 4.48%  | 0.306% |
| 212 | 15.478 | 15.436 | 15.514 | VV | 46584      | 1277030 | 5.90%  | 0.403% |
| 213 | 15.532 | 15.514 | 15.548 | VV | 23865      | 450652  | 2.08%  | 0.142% |
| 214 | 15.565 | 15.548 | 15.582 | VV | 25206      | 471533  | 2.18%  | 0.149% |
| 215 | 15.605 | 15.582 | 15.630 | VV | 30218      | 677000  | 3.13%  | 0.213% |
| 216 | 15.697 | 15.630 | 15.714 | VV | 60005      | 1505728 | 6.96%  | 0.475% |
| 217 | 15.738 | 15.714 | 15.770 | VV | 143831     | 2198634 | 10.16% | 0.693% |
| 218 | 15.810 | 15.770 | 15.836 | VV | 56271      | 1181299 | 5.46%  | 0.372% |
| 219 | 15.857 | 15.836 | 15.889 | VV | 39989      | 843383  | 3.90%  | 0.266% |
| 220 | 15.912 | 15.889 | 15.942 | VV | 28161      | 665473  | 3.07%  | 0.210% |
| 221 | 15.953 | 15.942 | 15.990 | VV | 16706      | 407987  | 1.88%  | 0.129% |
| 222 | 16.016 | 15.990 | 16.067 | VV | 30916      | 1047700 | 4.84%  | 0.330% |
| 223 | 16.089 | 16.067 | 16.104 | VV | 25294      | 485949  | 2.25%  | 0.153% |
| 224 | 16.120 | 16.104 | 16.142 | VV | 26212      | 490818  | 2.27%  | 0.155% |
| 225 | 16.171 | 16.142 | 16.187 | VV | 44080      | 784548  | 3.62%  | 0.247% |
| 226 | 16.211 | 16.187 | 16.242 | VV | 82310      | 1537468 | 7.10%  | 0.485% |
| 227 | 16.258 | 16.242 | 16.282 | VV | 19835      | 430392  | 1.99%  | 0.136% |
| 228 | 16.299 | 16.282 | 16.314 | VV | 20286      | 368479  | 1.70%  | 0.116% |
| 229 | 16.352 | 16.314 | 16.417 | VV | 487515     | 8459962 | 39.08% | 2.667% |
| 230 | 16.444 | 16.417 | 16.463 | VV | 50789      | 973970  | 4.50%  | 0.307% |
| 231 | 16.478 | 16.463 | 16.505 | VV | 41804      | 773777  | 3.57%  | 0.244% |
| 232 | 16.527 | 16.505 | 16.539 | VV | 20517      | 386582  | 1.79%  | 0.122% |
| 233 | 16.562 | 16.539 | 16.609 | VV | 24599      | 781137  | 3.61%  | 0.246% |
| 234 | 16.648 | 16.609 | 16.662 | VV | 41812      | 871321  | 4.03%  | 0.275% |
| 235 | 16.682 | 16.662 | 16.719 | VV | 85311      | 1489714 | 6.88%  | 0.470% |
| 236 | 16.726 | 16.719 | 16.743 | VV | 14776      | 204083  | 0.94%  | 0.064% |
| 237 | 16.754 | 16.743 | 16.776 | VV | 14844      | 265899  | 1.23%  | 0.084% |
| 238 | 16.818 | 16.776 | 16.880 | VV | 32012      | 1079308 | 4.99%  | 0.340% |
| 239 | 16.908 | 16.880 | 16.941 | VV | 20141      | 601952  | 2.78%  | 0.190% |
| 240 | 16.951 | 16.941 | 16.962 | VV | 17053      | 212767  | 0.98%  | 0.067% |
| 241 | 16.984 | 16.962 | 16.999 | VV | 18293      | 376431  | 1.74%  | 0.119% |
| 242 | 17.032 | 16.999 | 17.047 | VV | 19558      | 529154  | 2.44%  | 0.167% |
| 243 | 17.062 | 17.047 | 17.084 | VV | 22103      | 439657  | 2.03%  | 0.139% |
| 244 | 17.140 | 17.084 | 17.172 | VV | 95922      | 2179014 | 10.07% | 0.687% |
| 245 | 17.184 | 17.172 | 17.205 | VV | 18439      | 335848  | 1.55%  | 0.106% |
| 246 | 17.227 | 17.205 | 17.271 | VV | 18548      | 585092  | 2.70%  | 0.184% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 247        | 17.289 | 17.271 | 17.305 | VV | 15572  | 281475  | 1.30%  | 0.089% |
| 248        | 17.326 | 17.305 | 17.334 | VV | 16325  | 257005  | 1.19%  | 0.081% |
| 249        | 17.356 | 17.334 | 17.399 | VV | 25727  | 697691  | 3.22%  | 0.220% |
| 250        | 17.432 | 17.399 | 17.479 | VV | 19636  | 742304  | 3.43%  | 0.234% |
|            |        |        |        |    |        |         |        |        |
| 251        | 17.535 | 17.479 | 17.547 | VV | 29716  | 771732  | 3.57%  | 0.243% |
| 252        | 17.567 | 17.547 | 17.592 | VV | 45210  | 873185  | 4.03%  | 0.275% |
| 253        | 17.613 | 17.592 | 17.662 | VV | 27797  | 961094  | 4.44%  | 0.303% |
| 254        | 17.709 | 17.662 | 17.722 | VV | 23595  | 742829  | 3.43%  | 0.234% |
| 255        | 17.735 | 17.722 | 17.754 | VV | 24342  | 424320  | 1.96%  | 0.134% |
|            |        |        |        |    |        |         |        |        |
| 256        | 17.787 | 17.754 | 17.800 | VV | 26317  | 652218  | 3.01%  | 0.206% |
| 257        | 17.816 | 17.800 | 17.828 | VV | 26921  | 416756  | 1.93%  | 0.131% |
| 258        | 17.846 | 17.828 | 17.869 | VV | 30195  | 641817  | 2.97%  | 0.202% |
| 259        | 18.890 | 18.869 | 17.920 | VV | 28249  | 742313  | 3.43%  | 0.234% |
| 260        | 17.935 | 17.920 | 17.952 | VV | 24770  | 436501  | 2.02%  | 0.138% |
|            |        |        |        |    |        |         |        |        |
| 261        | 18.004 | 17.952 | 18.044 | VV | 29643  | 1351113 | 6.24%  | 0.426% |
| 262        | 18.086 | 18.044 | 18.125 | VV | 23938  | 1100942 | 5.09%  | 0.347% |
| 263        | 18.150 | 18.125 | 18.167 | VV | 32471  | 686231  | 3.17%  | 0.216% |
| 264        | 18.197 | 18.167 | 18.243 | VV | 53580  | 1598049 | 7.38%  | 0.504% |
| 265        | 18.274 | 18.243 | 18.286 | VV | 24974  | 602535  | 2.78%  | 0.190% |
|            |        |        |        |    |        |         |        |        |
| 266        | 18.294 | 18.286 | 18.309 | VV | 24317  | 327862  | 1.51%  | 0.103% |
| 267        | 18.333 | 18.309 | 18.349 | VV | 26675  | 600066  | 2.77%  | 0.189% |
| 268        | 18.368 | 18.349 | 18.379 | VV | 28229  | 485957  | 2.25%  | 0.153% |
| 269        | 18.397 | 18.379 | 18.447 | VV | 33981  | 1185884 | 5.48%  | 0.374% |
| 270        | 18.457 | 18.447 | 18.474 | VV | 25712  | 401744  | 1.86%  | 0.127% |
|            |        |        |        |    |        |         |        |        |
| 271        | 18.482 | 18.474 | 18.504 | VV | 24507  | 412983  | 1.91%  | 0.130% |
| 272        | 18.527 | 18.504 | 18.547 | VV | 23090  | 581329  | 2.69%  | 0.183% |
| 273        | 18.593 | 18.547 | 18.624 | VV | 46935  | 1352689 | 6.25%  | 0.426% |
| 274        | 18.671 | 18.624 | 18.702 | VV | 69102  | 2022306 | 9.34%  | 0.638% |
| 275        | 18.733 | 18.702 | 18.745 | VV | 39624  | 949449  | 4.39%  | 0.299% |
|            |        |        |        |    |        |         |        |        |
| 276        | 18.759 | 18.745 | 18.782 | VV | 42989  | 856805  | 3.96%  | 0.270% |
| 277        | 18.794 | 18.782 | 18.829 | VV | 36517  | 968024  | 4.47%  | 0.305% |
| 278        | 18.892 | 18.829 | 18.914 | VV | 36578  | 1766749 | 8.16%  | 0.557% |
| 279        | 18.986 | 18.914 | 19.034 | VV | 145338 | 4522205 | 20.89% | 1.426% |
| 280        | 19.061 | 19.034 | 19.125 | VV | 42649  | 1971903 | 9.11%  | 0.622% |
|            |        |        |        |    |        |         |        |        |
| 281        | 19.179 | 19.125 | 19.214 | VV | 37404  | 1806427 | 8.35%  | 0.569% |
| 282        | 19.235 | 19.214 | 19.253 | VV | 33834  | 797932  | 3.69%  | 0.252% |
| 283        | 19.300 | 19.253 | 19.329 | VV | 42029  | 1700692 | 7.86%  | 0.536% |
| 284        | 19.363 | 19.329 | 19.381 | VV | 52693  | 1405241 | 6.49%  | 0.443% |
| 285        | 19.399 | 19.381 | 19.414 | VV | 50997  | 926607  | 4.28%  | 0.292% |
|            |        |        |        |    |        |         |        |        |
| 286        | 19.443 | 19.414 | 19.497 | VV | 120124 | 3469381 | 16.03% | 1.094% |
| 287        | 19.568 | 19.497 | 19.587 | VV | 49094  | 2474375 | 11.43% | 0.780% |
| 288        | 19.604 | 19.587 | 19.627 | VV | 49460  | 1152591 | 5.32%  | 0.363% |
| 289        | 19.657 | 19.627 | 19.695 | VV | 52704  | 2012162 | 9.30%  | 0.634% |
| 290        | 19.736 | 19.695 | 19.775 | VV | 386202 | 7041117 | 32.53% | 2.220% |
|            |        |        |        |    |        |         |        |        |
| 291        | 19.814 | 19.775 | 19.845 | VV | 167042 | 3815776 | 17.63% | 1.203% |
| 292        | 19.855 | 19.845 | 19.872 | VV | 50075  | 779140  | 3.60%  | 0.246% |
| 293        | 19.893 | 19.872 | 19.909 | VV | 54320  | 1142609 | 5.28%  | 0.360% |
| 294        | 19.938 | 19.909 | 19.990 | VV | 68752  | 3047552 | 14.08% | 0.961% |
| 295        | 20.003 | 19.990 | 20.037 | VV | 57241  | 1551652 | 7.17%  | 0.489% |
|            |        |        |        |    |        |         |        |        |
| 296        | 20.043 | 20.037 | 20.058 | VV | 52637  | 661565  | 3.06%  | 0.209% |
| 297        | 20.091 | 20.058 | 20.124 | VV | 70212  | 2342204 | 10.82% | 0.738% |
| 298        | 20.173 | 20.124 | 20.250 | VV | 118572 | 5224421 | 24.14% | 1.647% |
| 299        | 20.278 | 20.250 | 20.286 | VV | 55697  | 1184576 | 5.47%  | 0.373% |

|     |        |        |        |     |            |         |        |        |
|-----|--------|--------|--------|-----|------------|---------|--------|--------|
|     |        |        |        |     | rteres.txt |         |        |        |
| 300 | 20.323 | 20.286 | 20.335 | VV  | 61711      | 1737603 | 8.03%  | 0.548% |
| 301 | 20.370 | 20.335 | 20.400 | VV  | 67731      | 2444768 | 11.29% | 0.771% |
| 302 | 20.439 | 20.400 | 20.496 | VV  | 257576     | 6570926 | 30.36% | 2.072% |
| 303 | 20.527 | 20.496 | 20.565 | VV  | 62207      | 2382236 | 11.01% | 0.751% |
| 304 | 20.573 | 20.565 | 20.594 | VV  | 53899      | 899566  | 4.16%  | 0.284% |
| 305 | 20.633 | 20.594 | 20.646 | VV  | 54601      | 1636196 | 7.56%  | 0.516% |
| 306 | 20.657 | 20.646 | 20.667 | VV  | 51819      | 648061  | 2.99%  | 0.204% |
| 307 | 20.704 | 20.667 | 20.740 | VV  | 60332      | 2325975 | 10.75% | 0.733% |
| 308 | 20.829 | 20.740 | 20.863 | VV  | 69637      | 4208609 | 19.44% | 1.327% |
| 309 | 20.878 | 20.863 | 20.895 | VV  | 60033      | 1137966 | 5.26%  | 0.359% |
| 310 | 20.920 | 20.895 | 20.974 | VV  | 65567      | 2725333 | 12.59% | 0.859% |
| 311 | 20.983 | 20.974 | 20.994 | VV  | 52416      | 619660  | 2.86%  | 0.195% |
| 312 | 21.089 | 20.994 | 21.117 | VV  | 63269      | 4319856 | 19.96% | 1.362% |
| 313 | 21.129 | 21.117 | 21.190 | VV  | 63398      | 2499736 | 11.55% | 0.788% |
| 314 | 21.206 | 21.190 | 21.224 | VV  | 53084      | 1065503 | 4.92%  | 0.336% |
| 315 | 21.244 | 21.224 | 21.305 | VV  | 54309      | 2528380 | 11.68% | 0.797% |
| 316 | 21.331 | 21.305 | 21.440 | VV  | 52342      | 3223381 | 14.89% | 1.016% |
| 317 | 21.512 | 21.440 | 21.569 | VV  | 41068      | 2557667 | 11.82% | 0.806% |
| 318 | 21.590 | 21.569 | 21.620 | VV  | 34573      | 1021242 | 4.72%  | 0.322% |
| 319 | 21.651 | 21.620 | 21.699 | VV  | 33457      | 1522876 | 7.04%  | 0.480% |
| 320 | 21.755 | 21.699 | 21.800 | VBA | 35092      | 2028941 | 9.37%  | 0.640% |

Sum of corrected areas: 317204440

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