

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100318AL\  
 Data File : FC036644.D  
 Signal(s) : FID1A.CH  
 Acq On : 03 Oct 2018 20:20  
 Sample : J5198-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 092118.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         | 3.202       | 3.152        | 3.267      | BV       | 1033           | 21218        | 0.21%          | 0.006%        |
| 2         | 3.308       | 3.267        | 3.350      | PV       | 656            | 12476        | 0.12%          | 0.004%        |
| 3         | 3.366       | 3.350        | 3.380      | VV       | 340            | 3757         | 0.04%          | 0.001%        |
| 4         | 3.390       | 3.380        | 3.412      | VV       | 274            | 3309         | 0.03%          | 0.001%        |
| 5         | 3.426       | 3.412        | 3.435      | VV       | 259            | 2164         | 0.02%          | 0.001%        |
| 6         | 3.452       | 3.435        | 3.469      | VV       | 632            | 7933         | 0.08%          | 0.002%        |
| 7         | 3.485       | 3.469        | 3.509      | VV       | 3549           | 33745        | 0.33%          | 0.010%        |
| 8         | 3.516       | 3.509        | 3.547      | VV       | 250            | 3874         | 0.04%          | 0.001%        |
| 9         | 3.561       | 3.547        | 3.603      | VV       | 916            | 14967        | 0.15%          | 0.005%        |
| 10        | 3.614       | 3.603        | 3.622      | VV       | 485            | 5108         | 0.05%          | 0.002%        |
| 11        | 3.632       | 3.622        | 3.667      | VV       | 656            | 8346         | 0.08%          | 0.003%        |
| 12        | 3.680       | 3.667        | 3.708      | VV       | 356            | 5084         | 0.05%          | 0.002%        |
| 13        | 3.723       | 3.708        | 3.742      | VV       | 608            | 5931         | 0.06%          | 0.002%        |
| 14        | 3.773       | 3.742        | 3.825      | PV       | 470            | 12627        | 0.12%          | 0.004%        |
| 15        | 3.859       | 3.825        | 3.928      | VV       | 1217           | 34386        | 0.34%          | 0.010%        |
| 16        | 3.947       | 3.928        | 3.973      | VV       | 643            | 9784         | 0.10%          | 0.003%        |
| 17        | 4.032       | 3.973        | 4.042      | VV       | 554            | 14062        | 0.14%          | 0.004%        |
| 18        | 4.057       | 4.042        | 4.085      | VV       | 777            | 12439        | 0.12%          | 0.004%        |
| 19        | 4.094       | 4.085        | 4.142      | VV       | 430            | 7728         | 0.08%          | 0.002%        |
| 20        | 4.166       | 4.142        | 4.188      | VV       | 335            | 5958         | 0.06%          | 0.002%        |
| 21        | 4.205       | 4.188        | 4.233      | VV       | 456            | 6237         | 0.06%          | 0.002%        |
| 22        | 4.256       | 4.233        | 4.282      | VV       | 855            | 11952        | 0.12%          | 0.004%        |
| 23        | 4.291       | 4.282        | 4.308      | VV       | 365            | 3760         | 0.04%          | 0.001%        |
| 24        | 4.322       | 4.308        | 4.345      | VV       | 411            | 4263         | 0.04%          | 0.001%        |
| 25        | 4.355       | 4.345        | 4.384      | VV       | 342            | 3736         | 0.04%          | 0.001%        |
| 26        | 4.405       | 4.384        | 4.435      | VV       | 1353           | 17964        | 0.18%          | 0.005%        |
| 27        | 4.453       | 4.435        | 4.493      | VV       | 1216           | 23882        | 0.23%          | 0.007%        |
| 28        | 4.508       | 4.493        | 4.546      | VV       | 828            | 13125        | 0.13%          | 0.004%        |
| 29        | 4.562       | 4.546        | 4.572      | VV       | 311            | 3700         | 0.04%          | 0.001%        |
| 30        | 4.580       | 4.572        | 4.594      | VV       | 330            | 3226         | 0.03%          | 0.001%        |
| 31        | 4.627       | 4.594        | 4.640      | VV       | 322            | 6146         | 0.06%          | 0.002%        |
| 32        | 4.655       | 4.640        | 4.688      | VV       | 530            | 7948         | 0.08%          | 0.002%        |
| 33        | 4.718       | 4.688        | 4.755      | VV       | 617            | 9897         | 0.10%          | 0.003%        |
| 34        | 4.778       | 4.755        | 4.793      | VV       | 286            | 3444         | 0.03%          | 0.001%        |
| 35        | 4.807       | 4.793        | 4.830      | PV       | 321            | 4051         | 0.04%          | 0.001%        |
| 36        | 4.886       | 4.830        | 4.915      | PV       | 1849           | 27058        | 0.27%          | 0.008%        |

|    |       |       |       |    |            |       |       |        |
|----|-------|-------|-------|----|------------|-------|-------|--------|
|    |       |       |       |    | rteres.txt |       |       |        |
| 37 | 4.941 | 4.915 | 4.959 | VV | 974        | 13845 | 0.14% | 0.004% |
| 38 | 4.966 | 4.959 | 4.979 | VV | 546        | 5269  | 0.05% | 0.002% |
| 39 | 4.995 | 4.979 | 5.035 | VV | 559        | 9166  | 0.09% | 0.003% |
| 40 | 5.052 | 5.035 | 5.065 | PV | 364        | 3471  | 0.03% | 0.001% |
| 41 | 5.081 | 5.065 | 5.096 | VV | 457        | 6095  | 0.06% | 0.002% |
| 42 | 5.112 | 5.096 | 5.134 | VV | 718        | 10770 | 0.11% | 0.003% |
| 43 | 5.147 | 5.134 | 5.162 | VV | 409        | 5781  | 0.06% | 0.002% |
| 44 | 5.175 | 5.162 | 5.191 | VV | 667        | 6476  | 0.06% | 0.002% |
| 45 | 5.205 | 5.191 | 5.216 | VV | 305        | 3198  | 0.03% | 0.001% |
| 46 | 5.234 | 5.216 | 5.245 | VV | 281        | 3314  | 0.03% | 0.001% |
| 47 | 5.257 | 5.245 | 5.274 | VV | 269        | 2848  | 0.03% | 0.001% |
| 48 | 5.291 | 5.274 | 5.317 | VV | 1433       | 22614 | 0.22% | 0.007% |
| 49 | 5.330 | 5.317 | 5.369 | VV | 972        | 14978 | 0.15% | 0.005% |
| 50 | 5.387 | 5.369 | 5.426 | VV | 435        | 8296  | 0.08% | 0.003% |
| 51 | 5.466 | 5.426 | 5.507 | VV | 1035       | 17724 | 0.17% | 0.005% |
| 52 | 5.514 | 5.507 | 5.527 | VV | 257        | 2116  | 0.02% | 0.001% |
| 53 | 5.566 | 5.527 | 5.600 | VV | 932        | 22268 | 0.22% | 0.007% |
| 54 | 5.618 | 5.600 | 5.642 | VV | 511        | 8123  | 0.08% | 0.002% |
| 55 | 5.655 | 5.642 | 5.668 | VV | 469        | 4008  | 0.04% | 0.001% |
| 56 | 5.703 | 5.668 | 5.722 | VV | 338        | 6622  | 0.06% | 0.002% |
| 57 | 5.740 | 5.722 | 5.760 | PV | 390        | 5055  | 0.05% | 0.002% |
| 58 | 5.791 | 5.760 | 5.809 | VV | 592        | 9621  | 0.09% | 0.003% |
| 59 | 5.830 | 5.809 | 5.870 | VV | 3940       | 54269 | 0.53% | 0.016% |
| 60 | 5.879 | 5.870 | 5.905 | VV | 618        | 8912  | 0.09% | 0.003% |
| 61 | 5.927 | 5.905 | 5.944 | VV | 613        | 9392  | 0.09% | 0.003% |
| 62 | 5.969 | 5.944 | 5.983 | VV | 849        | 13387 | 0.13% | 0.004% |
| 63 | 5.991 | 5.983 | 6.032 | VV | 667        | 14661 | 0.14% | 0.004% |
| 64 | 6.046 | 6.032 | 6.062 | VV | 460        | 6019  | 0.06% | 0.002% |
| 65 | 6.070 | 6.062 | 6.088 | VV | 398        | 5028  | 0.05% | 0.002% |
| 66 | 6.115 | 6.088 | 6.129 | VV | 624        | 9955  | 0.10% | 0.003% |
| 67 | 6.140 | 6.129 | 6.157 | VV | 439        | 5602  | 0.05% | 0.002% |
| 68 | 6.191 | 6.157 | 6.204 | VV | 607        | 11274 | 0.11% | 0.003% |
| 69 | 6.214 | 6.204 | 6.244 | VV | 441        | 6781  | 0.07% | 0.002% |
| 70 | 6.267 | 6.244 | 6.320 | VV | 1382       | 20826 | 0.20% | 0.006% |
| 71 | 6.346 | 6.320 | 6.359 | VV | 175        | 2949  | 0.03% | 0.001% |
| 72 | 6.385 | 6.359 | 6.397 | VV | 299        | 5491  | 0.05% | 0.002% |
| 73 | 6.414 | 6.397 | 6.434 | VV | 1019       | 13530 | 0.13% | 0.004% |
| 74 | 6.450 | 6.434 | 6.474 | VV | 692        | 9618  | 0.09% | 0.003% |
| 75 | 6.538 | 6.474 | 6.554 | PV | 585        | 12020 | 0.12% | 0.004% |
| 76 | 6.580 | 6.554 | 6.609 | VV | 609        | 11416 | 0.11% | 0.003% |
| 77 | 6.617 | 6.609 | 6.632 | VV | 317        | 3830  | 0.04% | 0.001% |
| 78 | 6.655 | 6.632 | 6.680 | VV | 936        | 12686 | 0.12% | 0.004% |
| 79 | 6.694 | 6.680 | 6.704 | VV | 215        | 2702  | 0.03% | 0.001% |
| 80 | 6.720 | 6.704 | 6.736 | VV | 352        | 4990  | 0.05% | 0.002% |
| 81 | 6.782 | 6.736 | 6.801 | VV | 883        | 18938 | 0.19% | 0.006% |
| 82 | 6.819 | 6.801 | 6.845 | VV | 932        | 12815 | 0.13% | 0.004% |
| 83 | 6.879 | 6.845 | 6.912 | VV | 4046       | 56428 | 0.55% | 0.017% |
| 84 | 6.922 | 6.912 | 6.945 | VV | 762        | 9003  | 0.09% | 0.003% |
| 85 | 6.966 | 6.945 | 6.991 | VV | 1868       | 28075 | 0.28% | 0.008% |
| 86 | 7.011 | 6.991 | 7.040 | VV | 5633       | 62947 | 0.62% | 0.019% |
| 87 | 7.060 | 7.040 | 7.114 | VV | 773        | 17697 | 0.17% | 0.005% |
| 88 | 7.185 | 7.114 | 7.209 | VV | 2204       | 40454 | 0.40% | 0.012% |
| 89 | 7.236 | 7.209 | 7.282 | VV | 466        | 12057 | 0.12% | 0.004% |

|     |       |       |       |    |            |        |       |        |
|-----|-------|-------|-------|----|------------|--------|-------|--------|
|     |       |       |       |    | rteres.txt |        |       |        |
| 90  | 7.311 | 7.282 | 7.334 | VV | 337        | 6424   | 0.06% | 0.002% |
| 91  | 7.356 | 7.334 | 7.386 | VV | 961        | 15556  | 0.15% | 0.005% |
| 92  | 7.405 | 7.386 | 7.423 | VV | 380        | 4619   | 0.05% | 0.001% |
| 93  | 7.600 | 7.567 | 7.681 | VV | 3523       | 126145 | 1.24% | 0.038% |
| 94  | 7.701 | 7.681 | 7.722 | VV | 986        | 20553  | 0.20% | 0.006% |
| 95  | 7.752 | 7.722 | 7.769 | VV | 2179       | 37239  | 0.37% | 0.011% |
| 96  | 7.781 | 7.769 | 7.832 | VV | 1554       | 40435  | 0.40% | 0.012% |
| 97  | 7.869 | 7.832 | 7.903 | VV | 3820       | 91015  | 0.89% | 0.027% |
| 98  | 7.924 | 7.903 | 7.937 | VV | 1073       | 17843  | 0.18% | 0.005% |
| 99  | 7.967 | 7.937 | 7.983 | VV | 7149       | 92134  | 0.90% | 0.028% |
| 100 | 7.996 | 7.983 | 8.035 | VV | 4215       | 82688  | 0.81% | 0.025% |
| 101 | 8.051 | 8.035 | 8.074 | VV | 3957       | 51124  | 0.50% | 0.015% |
| 102 | 8.106 | 8.074 | 8.133 | VV | 45958      | 494516 | 4.85% | 0.149% |
| 103 | 8.147 | 8.133 | 8.184 | VV | 4876       | 77521  | 0.76% | 0.023% |
| 104 | 8.201 | 8.184 | 8.220 | VV | 2323       | 29821  | 0.29% | 0.009% |
| 105 | 8.238 | 8.220 | 8.256 | VV | 2041       | 26025  | 0.26% | 0.008% |
| 106 | 8.265 | 8.256 | 8.277 | VV | 888        | 9286   | 0.09% | 0.003% |
| 107 | 8.290 | 8.277 | 8.315 | VV | 757        | 12936  | 0.13% | 0.004% |
| 108 | 8.441 | 8.422 | 8.475 | VV | 14480      | 185067 | 1.82% | 0.056% |
| 109 | 8.494 | 8.475 | 8.534 | VV | 3459       | 72840  | 0.71% | 0.022% |
| 110 | 8.559 | 8.534 | 8.572 | VV | 2323       | 44074  | 0.43% | 0.013% |
| 111 | 8.586 | 8.572 | 8.617 | VV | 3180       | 49422  | 0.48% | 0.015% |
| 112 | 8.634 | 8.617 | 8.647 | VV | 1352       | 18313  | 0.18% | 0.006% |
| 113 | 8.683 | 8.647 | 8.698 | VV | 3176       | 54020  | 0.53% | 0.016% |
| 114 | 8.716 | 8.698 | 8.744 | VV | 6869       | 95063  | 0.93% | 0.029% |
| 115 | 8.757 | 8.744 | 8.770 | VV | 1680       | 23653  | 0.23% | 0.007% |
| 116 | 8.784 | 8.770 | 8.835 | VV | 1800       | 53024  | 0.52% | 0.016% |
| 117 | 8.869 | 8.835 | 8.883 | VV | 4467       | 83413  | 0.82% | 0.025% |
| 118 | 8.892 | 8.883 | 8.934 | VV | 3305       | 48588  | 0.48% | 0.015% |
| 119 | 8.952 | 8.934 | 8.980 | VV | 996        | 16461  | 0.16% | 0.005% |
| 120 | 9.006 | 8.980 | 9.024 | VV | 3168       | 40384  | 0.40% | 0.012% |
| 121 | 9.041 | 9.024 | 9.079 | VV | 2493       | 57840  | 0.57% | 0.017% |
| 122 | 9.089 | 9.079 | 9.105 | VV | 866        | 11317  | 0.11% | 0.003% |
| 123 | 9.141 | 9.105 | 9.176 | VV | 2534       | 50527  | 0.50% | 0.015% |
| 124 | 9.186 | 9.176 | 9.197 | VV | 754        | 8660   | 0.08% | 0.003% |
| 125 | 9.223 | 9.197 | 9.277 | VV | 12642      | 197047 | 1.93% | 0.059% |
| 126 | 9.301 | 9.277 | 9.317 | VV | 3306       | 45158  | 0.44% | 0.014% |
| 127 | 9.326 | 9.317 | 9.352 | VV | 1886       | 32505  | 0.32% | 0.010% |
| 128 | 9.372 | 9.352 | 9.389 | VV | 3131       | 44810  | 0.44% | 0.014% |
| 129 | 9.401 | 9.389 | 9.413 | VV | 1862       | 22123  | 0.22% | 0.007% |
| 130 | 9.428 | 9.413 | 9.454 | VV | 2535       | 36639  | 0.36% | 0.011% |
| 131 | 9.480 | 9.454 | 9.504 | VV | 952        | 20657  | 0.20% | 0.006% |
| 132 | 9.545 | 9.504 | 9.571 | VV | 2863       | 51194  | 0.50% | 0.015% |
| 133 | 9.596 | 9.571 | 9.617 | VV | 1294       | 28297  | 0.28% | 0.009% |
| 134 | 9.644 | 9.617 | 9.687 | VV | 7912       | 118877 | 1.17% | 0.036% |
| 135 | 9.702 | 9.687 | 9.727 | VV | 1098       | 18366  | 0.18% | 0.006% |
| 136 | 9.739 | 9.727 | 9.772 | VV | 859        | 15448  | 0.15% | 0.005% |
| 137 | 9.807 | 9.772 | 9.853 | VV | 985        | 21114  | 0.21% | 0.006% |
| 138 | 9.885 | 9.853 | 9.897 | PV | 283        | 4769   | 0.05% | 0.001% |
| 139 | 9.913 | 9.897 | 9.932 | VV | 479        | 4785   | 0.05% | 0.001% |
| 140 | 9.965 | 9.932 | 9.980 | PV | 1146       | 15705  | 0.15% | 0.005% |
| 141 | 9.989 | 9.980 | 9.998 | VV | 734        | 6809   | 0.07% | 0.002% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 142        | 10.031 | 9.998  | 10.052 | VV | 2670   | 47860   | 0.47%  | 0.014% |
| 143        | 10.100 | 10.052 | 10.124 | VV | 4102   | 91439   | 0.90%  | 0.028% |
| 144        | 10.139 | 10.124 | 10.159 | VV | 2728   | 37039   | 0.36%  | 0.011% |
| 145        | 10.172 | 10.159 | 10.191 | VV | 1102   | 15736   | 0.15%  | 0.005% |
|            |        |        |        |    |        |         |        |        |
| 146        | 10.216 | 10.191 | 10.251 | VV | 3327   | 56641   | 0.56%  | 0.017% |
| 147        | 10.275 | 10.251 | 10.299 | VV | 2042   | 37777   | 0.37%  | 0.011% |
| 148        | 10.306 | 10.299 | 10.322 | VV | 1363   | 14007   | 0.14%  | 0.004% |
| 149        | 10.382 | 10.322 | 10.400 | VV | 6927   | 114988  | 1.13%  | 0.035% |
| 150        | 10.421 | 10.400 | 10.435 | VV | 4613   | 64254   | 0.63%  | 0.019% |
|            |        |        |        |    |        |         |        |        |
| 151        | 10.450 | 10.435 | 10.480 | VV | 4380   | 73433   | 0.72%  | 0.022% |
| 152        | 10.489 | 10.480 | 10.505 | VV | 1036   | 13704   | 0.13%  | 0.004% |
| 153        | 10.517 | 10.505 | 10.535 | VV | 1494   | 16052   | 0.16%  | 0.005% |
| 154        | 10.549 | 10.535 | 10.570 | VV | 545    | 7594    | 0.07%  | 0.002% |
| 155        | 10.614 | 10.570 | 10.667 | VV | 59215  | 700859  | 6.87%  | 0.211% |
|            |        |        |        |    |        |         |        |        |
| 156        | 10.690 | 10.667 | 10.749 | VV | 18757  | 269181  | 2.64%  | 0.081% |
| 157        | 10.761 | 10.749 | 10.815 | VV | 1214   | 33060   | 0.32%  | 0.010% |
| 158        | 10.830 | 10.815 | 10.857 | VV | 623    | 7711    | 0.08%  | 0.002% |
| 159        | 10.882 | 10.857 | 10.894 | VV | 320    | 4695    | 0.05%  | 0.001% |
| 160        | 10.921 | 10.894 | 10.949 | PV | 1865   | 35961   | 0.35%  | 0.011% |
|            |        |        |        |    |        |         |        |        |
| 161        | 10.966 | 10.949 | 10.987 | VV | 839    | 13950   | 0.14%  | 0.004% |
| 162        | 11.010 | 10.987 | 11.032 | VV | 1410   | 24531   | 0.24%  | 0.007% |
| 163        | 11.046 | 11.032 | 11.058 | VV | 1085   | 12163   | 0.12%  | 0.004% |
| 164        | 11.081 | 11.058 | 11.119 | VV | 4828   | 71533   | 0.70%  | 0.022% |
| 165        | 11.149 | 11.119 | 11.194 | VV | 3363   | 100128  | 0.98%  | 0.030% |
|            |        |        |        |    |        |         |        |        |
| 166        | 11.214 | 11.194 | 11.244 | VV | 1256   | 20133   | 0.20%  | 0.006% |
| 167        | 11.268 | 11.244 | 11.292 | PV | 3053   | 39601   | 0.39%  | 0.012% |
| 168        | 11.308 | 11.292 | 11.340 | VV | 752    | 8730    | 0.09%  | 0.003% |
| 169        | 11.384 | 11.340 | 11.430 | VV | 285672 | 3266762 | 32.04% | 0.985% |
| 170        | 11.446 | 11.430 | 11.485 | VV | 11237  | 156464  | 1.53%  | 0.047% |
|            |        |        |        |    |        |         |        |        |
| 171        | 11.526 | 11.485 | 11.546 | VV | 19019  | 292270  | 2.87%  | 0.088% |
| 172        | 11.562 | 11.546 | 11.576 | VV | 9404   | 114437  | 1.12%  | 0.035% |
| 173        | 11.592 | 11.576 | 11.650 | VV | 10201  | 144411  | 1.42%  | 0.044% |
| 174        | 11.680 | 11.650 | 11.694 | PV | 869    | 12236   | 0.12%  | 0.004% |
| 175        | 11.747 | 11.694 | 11.767 | PV | 5254   | 84666   | 0.83%  | 0.026% |
|            |        |        |        |    |        |         |        |        |
| 176        | 11.782 | 11.767 | 11.844 | VV | 2610   | 66543   | 0.65%  | 0.020% |
| 177        | 11.852 | 11.844 | 11.864 | VV | 551    | 4833    | 0.05%  | 0.001% |
| 178        | 11.886 | 11.864 | 11.929 | VV | 5252   | 84023   | 0.82%  | 0.025% |
| 179        | 11.949 | 11.929 | 11.974 | VV | 2502   | 35406   | 0.35%  | 0.011% |
| 180        | 11.992 | 11.974 | 12.007 | VV | 2577   | 34767   | 0.34%  | 0.010% |
|            |        |        |        |    |        |         |        |        |
| 181        | 12.024 | 12.007 | 12.049 | VV | 2090   | 39240   | 0.38%  | 0.012% |
| 182        | 12.063 | 12.049 | 12.075 | VV | 1173   | 14568   | 0.14%  | 0.004% |
| 183        | 12.093 | 12.075 | 12.117 | VV | 1935   | 36858   | 0.36%  | 0.011% |
| 184        | 12.133 | 12.117 | 12.144 | VV | 1563   | 23021   | 0.23%  | 0.007% |
| 185        | 12.156 | 12.144 | 12.182 | VV | 2398   | 33454   | 0.33%  | 0.010% |
|            |        |        |        |    |        |         |        |        |
| 186        | 12.204 | 12.182 | 12.240 | VV | 4249   | 74401   | 0.73%  | 0.022% |
| 187        | 12.277 | 12.240 | 12.289 | PV | 2449   | 47597   | 0.47%  | 0.014% |
| 188        | 12.310 | 12.289 | 12.330 | VV | 11284  | 151154  | 1.48%  | 0.046% |
| 189        | 12.346 | 12.330 | 12.360 | VV | 4702   | 65506   | 0.64%  | 0.020% |
| 190        | 12.381 | 12.360 | 12.399 | VV | 8667   | 128653  | 1.26%  | 0.039% |
|            |        |        |        |    |        |         |        |        |
| 191        | 12.425 | 12.399 | 12.502 | VV | 136918 | 1583305 | 15.53% | 0.477% |
| 192        | 12.525 | 12.502 | 12.542 | VV | 1207   | 18908   | 0.19%  | 0.006% |
| 193        | 12.558 | 12.542 | 12.572 | VV | 1812   | 23052   | 0.23%  | 0.007% |
| 194        | 12.608 | 12.572 | 12.625 | VV | 4814   | 83238   | 0.82%  | 0.025% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 12.645 | 12.625 | 12.692 | VV | 2763       | 73442   | 0.72%  | 0.022% |
| 196 | 12.720 | 12.692 | 12.756 | VV | 113223     | 1328306 | 13.03% | 0.401% |
| 197 | 12.777 | 12.756 | 12.792 | VV | 10390      | 146397  | 1.44%  | 0.044% |
| 198 | 12.827 | 12.792 | 12.872 | VV | 204171     | 2682547 | 26.31% | 0.809% |
| 199 | 12.895 | 12.872 | 12.963 | VV | 5217       | 159534  | 1.56%  | 0.048% |
| 200 | 12.994 | 12.963 | 13.037 | PV | 10307      | 187609  | 1.84%  | 0.057% |
| 201 | 13.056 | 13.037 | 13.090 | VV | 3899       | 72323   | 0.71%  | 0.022% |
| 202 | 13.119 | 13.090 | 13.135 | VV | 4660       | 60109   | 0.59%  | 0.018% |
| 203 | 13.145 | 13.135 | 13.155 | VV | 2744       | 27313   | 0.27%  | 0.008% |
| 204 | 13.180 | 13.155 | 13.207 | VV | 7456       | 126773  | 1.24%  | 0.038% |
| 205 | 13.227 | 13.207 | 13.251 | VV | 1746       | 33375   | 0.33%  | 0.010% |
| 206 | 13.309 | 13.251 | 13.340 | VV | 23824      | 390187  | 3.83%  | 0.118% |
| 207 | 13.356 | 13.340 | 13.364 | VV | 1814       | 21841   | 0.21%  | 0.007% |
| 208 | 13.380 | 13.364 | 13.392 | VV | 2440       | 27373   | 0.27%  | 0.008% |
| 209 | 13.416 | 13.392 | 13.438 | VV | 17532      | 234843  | 2.30%  | 0.071% |
| 210 | 13.455 | 13.438 | 13.475 | VV | 9818       | 131044  | 1.29%  | 0.040% |
| 211 | 13.492 | 13.475 | 13.514 | VV | 4592       | 72162   | 0.71%  | 0.022% |
| 212 | 13.580 | 13.514 | 13.605 | VV | 15718      | 305343  | 2.99%  | 0.092% |
| 213 | 13.624 | 13.605 | 13.651 | VV | 7710       | 107497  | 1.05%  | 0.032% |
| 214 | 13.706 | 13.651 | 13.730 | VV | 1781       | 44540   | 0.44%  | 0.013% |
| 215 | 13.796 | 13.730 | 13.830 | VV | 2105       | 64194   | 0.63%  | 0.019% |
| 216 | 13.841 | 13.830 | 13.850 | VV | 1231       | 10077   | 0.10%  | 0.003% |
| 217 | 13.868 | 13.850 | 13.882 | VV | 1364       | 11903   | 0.12%  | 0.004% |
| 218 | 13.898 | 13.882 | 13.906 | VV | 861        | 6039    | 0.06%  | 0.002% |
| 219 | 13.929 | 13.906 | 13.952 | PV | 2778       | 43467   | 0.43%  | 0.013% |
| 220 | 14.004 | 13.952 | 14.027 | VV | 7026       | 168090  | 1.65%  | 0.051% |
| 221 | 14.040 | 14.027 | 14.057 | VV | 5643       | 85323   | 0.84%  | 0.026% |
| 222 | 14.068 | 14.057 | 14.098 | VV | 4049       | 64827   | 0.64%  | 0.020% |
| 223 | 14.141 | 14.098 | 14.170 | VV | 10184      | 202296  | 1.98%  | 0.061% |
| 224 | 14.186 | 14.170 | 14.197 | VV | 3642       | 46786   | 0.46%  | 0.014% |
| 225 | 14.220 | 14.197 | 14.256 | VV | 9701       | 197958  | 1.94%  | 0.060% |
| 226 | 14.280 | 14.256 | 14.304 | VV | 18242      | 242284  | 2.38%  | 0.073% |
| 227 | 14.347 | 14.304 | 14.374 | VV | 6564       | 145875  | 1.43%  | 0.044% |
| 228 | 14.413 | 14.374 | 14.437 | VV | 3240       | 81297   | 0.80%  | 0.025% |
| 229 | 14.468 | 14.437 | 14.502 | VV | 3337       | 72919   | 0.72%  | 0.022% |
| 230 | 14.511 | 14.502 | 14.517 | VV | 800        | 4957    | 0.05%  | 0.001% |
| 231 | 14.544 | 14.517 | 14.555 | PV | 3705       | 45649   | 0.45%  | 0.014% |
| 232 | 14.592 | 14.555 | 14.612 | VV | 59304      | 776209  | 7.61%  | 0.234% |
| 233 | 14.632 | 14.612 | 14.659 | VV | 62635      | 785597  | 7.71%  | 0.237% |
| 234 | 14.677 | 14.659 | 14.707 | VV | 8154       | 129882  | 1.27%  | 0.039% |
| 235 | 14.752 | 14.707 | 14.770 | VV | 18554      | 293512  | 2.88%  | 0.089% |
| 236 | 14.789 | 14.770 | 14.812 | VV | 8649       | 143513  | 1.41%  | 0.043% |
| 237 | 14.832 | 14.812 | 14.862 | VV | 4126       | 95026   | 0.93%  | 0.029% |
| 238 | 14.905 | 14.862 | 14.917 | VV | 5558       | 132679  | 1.30%  | 0.040% |
| 239 | 14.927 | 14.917 | 14.959 | VV | 5835       | 114211  | 1.12%  | 0.034% |
| 240 | 14.970 | 14.959 | 15.000 | VV | 3563       | 67727   | 0.66%  | 0.020% |
| 241 | 15.070 | 15.000 | 15.079 | VV | 9421       | 265840  | 2.61%  | 0.080% |
| 242 | 15.090 | 15.079 | 15.124 | VV | 10052      | 221723  | 2.17%  | 0.067% |
| 243 | 15.129 | 15.124 | 15.159 | VV | 7088       | 133881  | 1.31%  | 0.040% |
| 244 | 15.202 | 15.159 | 15.239 | VV | 14389      | 426581  | 4.18%  | 0.129% |
| 245 | 15.264 | 15.239 | 15.285 | VV | 19796      | 326318  | 3.20%  | 0.098% |
| 246 | 15.304 | 15.285 | 15.329 | VV | 11589      | 197367  | 1.94%  | 0.060% |

| rteres.txt |        |        |        |    |       |         |        |        |
|------------|--------|--------|--------|----|-------|---------|--------|--------|
| 247        | 15.346 | 15.329 | 15.360 | VV | 7389  | 105624  | 1.04%  | 0.032% |
| 248        | 15.425 | 15.360 | 15.474 | VV | 14533 | 568204  | 5.57%  | 0.171% |
| 249        | 15.508 | 15.474 | 15.530 | VV | 8725  | 221819  | 2.18%  | 0.067% |
| 250        | 15.551 | 15.530 | 15.567 | VV | 6663  | 126195  | 1.24%  | 0.038% |
| 251        | 15.589 | 15.567 | 15.612 | VV | 9166  | 182483  | 1.79%  | 0.055% |
| 252        | 15.634 | 15.612 | 15.650 | VV | 8234  | 161538  | 1.58%  | 0.049% |
| 253        | 15.697 | 15.650 | 15.730 | VV | 19526 | 509966  | 5.00%  | 0.154% |
| 254        | 15.747 | 15.730 | 15.834 | VV | 8665  | 430874  | 4.23%  | 0.130% |
| 255        | 15.867 | 15.834 | 15.886 | VV | 13485 | 312649  | 3.07%  | 0.094% |
| 256        | 15.894 | 15.886 | 15.912 | VV | 10538 | 146903  | 1.44%  | 0.044% |
| 257        | 15.970 | 15.912 | 15.994 | VV | 13779 | 549580  | 5.39%  | 0.166% |
| 258        | 16.017 | 15.994 | 16.033 | VV | 14013 | 286873  | 2.81%  | 0.087% |
| 259        | 16.077 | 16.033 | 16.094 | VV | 18240 | 573972  | 5.63%  | 0.173% |
| 260        | 16.145 | 16.094 | 16.162 | VV | 87951 | 1612460 | 15.82% | 0.486% |
| 261        | 16.174 | 16.162 | 16.208 | VV | 55153 | 948670  | 9.30%  | 0.286% |
| 262        | 16.275 | 16.208 | 16.311 | VV | 29139 | 1285611 | 12.61% | 0.388% |
| 263        | 16.330 | 16.311 | 16.346 | VV | 22058 | 409365  | 4.02%  | 0.123% |
| 264        | 16.366 | 16.346 | 16.379 | VV | 23912 | 392819  | 3.85%  | 0.118% |
| 265        | 16.394 | 16.379 | 16.409 | VV | 21296 | 354690  | 3.48%  | 0.107% |
| 266        | 16.464 | 16.409 | 16.495 | VV | 58221 | 1615590 | 15.85% | 0.487% |
| 267        | 16.523 | 16.495 | 16.574 | VV | 73056 | 1665019 | 16.33% | 0.502% |
| 268        | 16.643 | 16.574 | 16.665 | VV | 51165 | 1826488 | 17.91% | 0.551% |
| 269        | 16.687 | 16.665 | 16.709 | VV | 64662 | 1164799 | 11.42% | 0.351% |
| 270        | 16.726 | 16.709 | 16.738 | VV | 29786 | 473516  | 4.64%  | 0.143% |
| 271        | 16.762 | 16.738 | 16.774 | VV | 28664 | 579843  | 5.69%  | 0.175% |
| 272        | 16.795 | 16.774 | 16.815 | VV | 31291 | 730372  | 7.16%  | 0.220% |
| 273        | 16.831 | 16.815 | 16.846 | VV | 31153 | 543433  | 5.33%  | 0.164% |
| 274        | 16.866 | 16.846 | 16.885 | VV | 37202 | 796688  | 7.81%  | 0.240% |
| 275        | 16.897 | 16.885 | 16.912 | VV | 36184 | 573316  | 5.62%  | 0.173% |
| 276        | 16.931 | 16.912 | 16.964 | VV | 38598 | 1062845 | 10.42% | 0.320% |
| 277        | 16.989 | 16.964 | 16.996 | VV | 35688 | 656992  | 6.44%  | 0.198% |
| 278        | 17.036 | 16.996 | 17.067 | VV | 44909 | 1690485 | 16.58% | 0.510% |
| 279        | 17.094 | 17.067 | 17.132 | VV | 64497 | 1865146 | 18.29% | 0.562% |
| 280        | 17.150 | 17.132 | 17.159 | VV | 40414 | 620923  | 6.09%  | 0.187% |
| 281        | 17.181 | 17.159 | 17.205 | VV | 49723 | 1202613 | 11.80% | 0.363% |
| 282        | 17.215 | 17.205 | 17.235 | VV | 39790 | 684141  | 6.71%  | 0.206% |
| 283        | 17.253 | 17.235 | 17.297 | VV | 42808 | 1454919 | 14.27% | 0.439% |
| 284        | 17.309 | 17.297 | 17.327 | VV | 39795 | 678762  | 6.66%  | 0.205% |
| 285        | 17.345 | 17.327 | 17.357 | VV | 39752 | 690470  | 6.77%  | 0.208% |
| 286        | 17.373 | 17.357 | 17.394 | VV | 41415 | 882739  | 8.66%  | 0.266% |
| 287        | 17.415 | 17.394 | 17.439 | VV | 46715 | 1180247 | 11.58% | 0.356% |
| 288        | 17.445 | 17.439 | 17.455 | VV | 46353 | 449941  | 4.41%  | 0.136% |
| 289        | 17.526 | 17.455 | 17.580 | VV | 70670 | 3990894 | 39.14% | 1.203% |
| 290        | 17.649 | 17.580 | 17.735 | VV | 69402 | 5116607 | 50.18% | 1.543% |
| 291        | 17.747 | 17.735 | 17.773 | VV | 53532 | 1136359 | 11.15% | 0.343% |
| 292        | 17.797 | 17.773 | 17.815 | VV | 62841 | 1413338 | 13.86% | 0.426% |
| 293        | 17.831 | 17.815 | 17.839 | VV | 58776 | 813034  | 7.97%  | 0.245% |
| 294        | 17.894 | 17.839 | 17.922 | VV | 88525 | 3407649 | 33.42% | 1.028% |
| 295        | 17.951 | 17.922 | 17.996 | VV | 93030 | 3228826 | 31.67% | 0.974% |
| 296        | 18.021 | 17.996 | 18.121 | VV | 82088 | 5130420 | 50.32% | 1.547% |
| 297        | 18.146 | 18.121 | 18.181 | VV | 90049 | 2603337 | 25.53% | 0.785% |
| 298        | 18.188 | 18.181 | 18.195 | VV | 70196 | 582209  | 5.71%  | 0.176% |
| 299        | 18.203 | 18.195 | 18.215 | VV | 67505 | 792547  | 7.77%  | 0.239% |

|     |        |        |        |    | rteres.txt |          |         |        |
|-----|--------|--------|--------|----|------------|----------|---------|--------|
| 300 | 18.232 | 18.215 | 18.247 | VV | 70481      | 1270135  | 12.46%  | 0.383% |
| 301 | 18.274 | 18.247 | 18.297 | VV | 73402      | 2076040  | 20.36%  | 0.626% |
| 302 | 18.357 | 18.297 | 18.411 | VV | 86081      | 4930778  | 48.36%  | 1.487% |
| 303 | 18.439 | 18.411 | 18.462 | VV | 83693      | 2305349  | 22.61%  | 0.695% |
| 304 | 18.480 | 18.462 | 18.500 | VV | 83301      | 1809912  | 17.75%  | 0.546% |
| 305 | 18.506 | 18.500 | 18.527 | VV | 80588      | 1196894  | 11.74%  | 0.361% |
| 306 | 18.545 | 18.527 | 18.560 | VV | 74451      | 1406826  | 13.80%  | 0.424% |
| 307 | 18.614 | 18.560 | 18.637 | VV | 88228      | 3664058  | 35.94%  | 1.105% |
| 308 | 18.658 | 18.637 | 18.675 | VV | 84234      | 1853664  | 18.18%  | 0.559% |
| 309 | 18.729 | 18.675 | 18.740 | VV | 92309      | 3371593  | 33.07%  | 1.017% |
| 310 | 18.762 | 18.740 | 18.804 | VV | 108206     | 3757860  | 36.86%  | 1.133% |
| 311 | 18.855 | 18.804 | 18.895 | VV | 103758     | 5186311  | 50.87%  | 1.564% |
| 312 | 18.925 | 18.895 | 18.934 | VV | 92964      | 2111881  | 20.71%  | 0.637% |
| 313 | 18.956 | 18.934 | 18.970 | VV | 97714      | 2048537  | 20.09%  | 0.618% |
| 314 | 18.992 | 18.970 | 19.009 | VV | 100171     | 2208843  | 21.66%  | 0.666% |
| 315 | 19.022 | 19.009 | 19.039 | VV | 97700      | 1723109  | 16.90%  | 0.520% |
| 316 | 19.060 | 19.039 | 19.069 | VV | 97400      | 1734641  | 17.01%  | 0.523% |
| 317 | 19.094 | 19.069 | 19.102 | VV | 100324     | 1932387  | 18.95%  | 0.583% |
| 318 | 19.152 | 19.102 | 19.170 | VV | 116272     | 4304313  | 42.22%  | 1.298% |
| 319 | 19.186 | 19.170 | 19.212 | VV | 107924     | 2553948  | 25.05%  | 0.770% |
| 320 | 19.239 | 19.212 | 19.277 | VV | 114161     | 4237087  | 41.56%  | 1.278% |
| 321 | 19.304 | 19.277 | 19.319 | VV | 118109     | 2791841  | 27.38%  | 0.842% |
| 322 | 19.330 | 19.319 | 19.349 | VV | 118116     | 2051327  | 20.12%  | 0.619% |
| 323 | 19.370 | 19.349 | 19.393 | VV | 121662     | 3101255  | 30.42%  | 0.935% |
| 324 | 19.467 | 19.393 | 19.486 | VV | 125500     | 6519955  | 63.95%  | 1.966% |
| 325 | 19.552 | 19.486 | 19.575 | VV | 131205     | 6752978  | 66.23%  | 2.036% |
| 326 | 19.590 | 19.575 | 19.607 | VV | 128873     | 2373461  | 23.28%  | 0.716% |
| 327 | 19.638 | 19.607 | 19.647 | VV | 127885     | 2976250  | 29.19%  | 0.897% |
| 328 | 19.670 | 19.647 | 19.688 | VV | 135100     | 3161891  | 31.01%  | 0.953% |
| 329 | 19.705 | 19.688 | 19.720 | VV | 131077     | 2542780  | 24.94%  | 0.767% |
| 330 | 19.772 | 19.720 | 19.784 | VV | 138714     | 5046322  | 49.50%  | 1.522% |
| 331 | 19.886 | 19.784 | 19.905 | VV | 148949     | 10195569 | 100.00% | 3.074% |
| 332 | 19.924 | 19.905 | 19.959 | VV | 153189     | 4665711  | 45.76%  | 1.407% |
| 333 | 19.972 | 19.959 | 19.997 | VV | 147474     | 3298384  | 32.35%  | 0.995% |
| 334 | 20.006 | 19.997 | 20.020 | VV | 147019     | 1974032  | 19.36%  | 0.595% |
| 335 | 20.070 | 20.020 | 20.084 | VV | 154757     | 5755134  | 56.45%  | 1.735% |
| 336 | 20.092 | 20.084 | 20.104 | VV | 154264     | 1893048  | 18.57%  | 0.571% |
| 337 | 20.133 | 20.104 | 20.145 | VV | 158823     | 3819379  | 37.46%  | 1.152% |
| 338 | 20.164 | 20.145 | 20.177 | VV | 162143     | 3046771  | 29.88%  | 0.919% |
| 339 | 20.196 | 20.177 | 20.204 | VV | 165422     | 2566277  | 25.17%  | 0.774% |
| 340 | 20.239 | 20.204 | 20.249 | VV | 173756     | 4532520  | 44.46%  | 1.367% |
| 341 | 20.267 | 20.249 | 20.277 | VV | 176953     | 2971179  | 29.14%  | 0.896% |
| 342 | 20.327 | 20.277 | 20.344 | VV | 183250     | 7053813  | 69.19%  | 2.127% |
| 343 | 20.355 | 20.344 | 20.378 | VV | 182271     | 3729012  | 36.57%  | 1.124% |
| 344 | 20.388 | 20.378 | 20.410 | VV | 178396     | 3345313  | 32.81%  | 1.009% |
| 345 | 20.426 | 20.410 | 20.469 | VV | 174815     | 5860062  | 57.48%  | 1.767% |
| 346 | 20.480 | 20.469 | 20.500 | VV | 164635     | 2993778  | 29.36%  | 0.903% |
| 347 | 20.516 | 20.500 | 20.538 | VV | 163837     | 3641446  | 35.72%  | 1.098% |
| 348 | 20.558 | 20.538 | 20.574 | VV | 158472     | 3363405  | 32.99%  | 1.014% |
| 349 | 20.603 | 20.574 | 20.628 | VV | 160688     | 5099401  | 50.02%  | 1.538% |
| 350 | 20.636 | 20.628 | 20.689 | VV | 157915     | 5647400  | 55.39%  | 1.703% |
| 351 | 20.698 | 20.689 | 20.739 | VV | 151521     | 4449669  | 43.64%  | 1.342% |

| rteres.txt              |        |        |        |     |        |           |        |        |
|-------------------------|--------|--------|--------|-----|--------|-----------|--------|--------|
| 352                     | 20.756 | 20.739 | 20.785 | VV  | 149274 | 4042238   | 39.65% | 1.219% |
| 353                     | 20.809 | 20.785 | 20.823 | VV  | 144687 | 3157837   | 30.97% | 0.952% |
| 354                     | 20.840 | 20.823 | 20.857 | VV  | 142132 | 2894892   | 28.39% | 0.873% |
| 355                     | 20.889 | 20.857 | 20.907 | VV  | 144691 | 4217793   | 41.37% | 1.272% |
| 356                     | 20.933 | 20.907 | 20.945 | VV  | 146500 | 3302268   | 32.39% | 0.996% |
| 357                     | 20.974 | 20.945 | 20.985 | VV  | 150470 | 3468129   | 34.02% | 1.046% |
| 358                     | 20.993 | 20.985 | 21.039 | VV  | 145270 | 4450582   | 43.65% | 1.342% |
| 359                     | 21.048 | 21.039 | 21.090 | VV  | 136310 | 4162003   | 40.82% | 1.255% |
| 360                     | 21.115 | 21.090 | 21.132 | VV  | 131368 | 3253287   | 31.91% | 0.981% |
| 361                     | 21.150 | 21.132 | 21.169 | VV  | 133477 | 2857332   | 28.03% | 0.862% |
| 362                     | 21.180 | 21.169 | 21.240 | VV  | 134370 | 5580191   | 54.73% | 1.683% |
| 363                     | 21.249 | 21.240 | 21.262 | VV  | 130702 | 1662144   | 16.30% | 0.501% |
| 364                     | 21.281 | 21.262 | 21.319 | VV  | 131257 | 4374533   | 42.91% | 1.319% |
| 365                     | 21.334 | 21.319 | 21.400 | VV  | 127842 | 6178034   | 60.60% | 1.863% |
| 366                     | 21.411 | 21.400 | 21.425 | VV  | 124275 | 1832977   | 17.98% | 0.553% |
| 367                     | 21.433 | 21.425 | 21.514 | VV  | 122276 | 5976412   | 58.62% | 1.802% |
| 368                     | 21.537 | 21.514 | 21.550 | VBA | 111264 | 2535765   | 24.87% | 0.765% |
| Sum of corrected areas: |        |        |        |     |        | 331627390 |        |        |

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