

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102918AL\  
 Data File : FC037179.D  
 Signal(s) : FID1A.CH  
 Acq On : 29 Oct 2018 18:52  
 Sample : J5204-15DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 101718.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         | 3.232       | 3.196        | 3.262      | BV       | 108            | 1097         | 0.05%          | 0.002%        |
| 2         | 3.302       | 3.277        | 3.312      | VV       | 134            | 1459         | 0.07%          | 0.003%        |
| 3         | 3.333       | 3.312        | 3.378      | PV       | 156            | 3329         | 0.16%          | 0.007%        |
| 4         | 3.387       | 3.378        | 3.418      | VV       | 164            | 2266         | 0.11%          | 0.005%        |
| 5         | 3.440       | 3.418        | 3.489      | PV       | 151            | 3715         | 0.18%          | 0.008%        |
| 6         | 3.518       | 3.507        | 3.527      | VV       | 89             | 1154         | 0.06%          | 0.002%        |
| 7         | 3.551       | 3.527        | 3.610      | VV       | 247            | 6582         | 0.32%          | 0.013%        |
| 8         | 3.649       | 3.610        | 3.716      | PV       | 147            | 5199         | 0.26%          | 0.011%        |
| 9         | 3.748       | 3.716        | 3.772      | VV       | 127            | 2798         | 0.14%          | 0.006%        |
| 10        | 3.790       | 3.772        | 3.802      | VV       | 189            | 2105         | 0.10%          | 0.004%        |
| 11        | 3.843       | 3.802        | 3.936      | VV       | 605            | 24154        | 1.19%          | 0.049%        |
| 12        | 3.940       | 3.936        | 3.979      | VV       | 211            | 4615         | 0.23%          | 0.009%        |
| 13        | 4.003       | 3.979        | 4.030      | VV       | 259            | 5499         | 0.27%          | 0.011%        |
| 14        | 4.047       | 4.030        | 4.103      | VV       | 255            | 7379         | 0.36%          | 0.015%        |
| 15        | 4.118       | 4.103        | 4.157      | VV       | 246            | 5457         | 0.27%          | 0.011%        |
| 16        | 4.182       | 4.157        | 4.199      | VV       | 209            | 4668         | 0.23%          | 0.010%        |
| 17        | 4.208       | 4.199        | 4.242      | VV       | 210            | 4539         | 0.22%          | 0.009%        |
| 18        | 4.249       | 4.242        | 4.258      | VV       | 211            | 2032         | 0.10%          | 0.004%        |
| 19        | 4.264       | 4.258        | 4.277      | VV       | 280            | 2266         | 0.11%          | 0.005%        |
| 20        | 4.285       | 4.277        | 4.312      | VV       | 246            | 3787         | 0.19%          | 0.008%        |
| 21        | 4.330       | 4.312        | 4.363      | VV       | 263            | 4421         | 0.22%          | 0.009%        |
| 22        | 4.382       | 4.363        | 4.404      | VV       | 270            | 4558         | 0.22%          | 0.009%        |
| 23        | 4.420       | 4.404        | 4.477      | VV       | 258            | 6869         | 0.34%          | 0.014%        |
| 24        | 4.513       | 4.493        | 4.541      | VV       | 219            | 3543         | 0.17%          | 0.007%        |
| 25        | 4.608       | 4.541        | 4.658      | PV       | 407            | 10070        | 0.49%          | 0.020%        |
| 26        | 4.668       | 4.658        | 4.703      | VV       | 128            | 1585         | 0.08%          | 0.003%        |
| 27        | 4.728       | 4.703        | 4.751      | VV       | 255            | 2305         | 0.11%          | 0.005%        |
| 28        | 4.758       | 4.751        | 4.785      | PV       | 209            | 2216         | 0.11%          | 0.005%        |
| 29        | 4.806       | 4.785        | 4.849      | VV       | 419            | 7812         | 0.38%          | 0.016%        |
| 30        | 4.858       | 4.849        | 4.882      | VV       | 207            | 3180         | 0.16%          | 0.006%        |
| 31        | 4.912       | 4.882        | 4.939      | VV       | 386            | 6014         | 0.30%          | 0.012%        |
| 32        | 4.960       | 4.939        | 5.001      | VV       | 239            | 4739         | 0.23%          | 0.010%        |
| 33        | 5.029       | 5.001        | 5.062      | PV       | 246            | 6481         | 0.32%          | 0.013%        |
| 34        | 5.068       | 5.062        | 5.122      | VV       | 199            | 4490         | 0.22%          | 0.009%        |
| 35        | 5.147       | 5.122        | 5.160      | VV       | 252            | 3398         | 0.17%          | 0.007%        |
| 36        | 5.167       | 5.160        | 5.181      | VV       | 154            | 1626         | 0.08%          | 0.003%        |

|    |       |       |       |    | rteres.txt |       |       |        |
|----|-------|-------|-------|----|------------|-------|-------|--------|
| 37 | 5.185 | 5.181 | 5.226 | VV | 152        | 2079  | 0.10% | 0.004% |
| 38 | 5.263 | 5.226 | 5.292 | VV | 258        | 6582  | 0.32% | 0.013% |
| 39 | 5.301 | 5.292 | 5.334 | VV | 300        | 4055  | 0.20% | 0.008% |
| 40 | 5.353 | 5.334 | 5.413 | VV | 231        | 5958  | 0.29% | 0.012% |
| 41 | 5.436 | 5.413 | 5.539 | VV | 282        | 10698 | 0.53% | 0.022% |
| 42 | 5.541 | 5.539 | 5.591 | VV | 205        | 4570  | 0.22% | 0.009% |
| 43 | 5.596 | 5.591 | 5.666 | VV | 248        | 5170  | 0.25% | 0.011% |
| 44 | 5.671 | 5.666 | 5.691 | VV | 128        | 1117  | 0.05% | 0.002% |
| 45 | 5.718 | 5.691 | 5.746 | PV | 257        | 3827  | 0.19% | 0.008% |
| 46 | 5.752 | 5.746 | 5.780 | VV | 147        | 2712  | 0.13% | 0.006% |
| 47 | 5.805 | 5.780 | 5.844 | VV | 344        | 7694  | 0.38% | 0.016% |
| 48 | 5.853 | 5.844 | 5.874 | VV | 216        | 3100  | 0.15% | 0.006% |
| 49 | 5.899 | 5.874 | 5.922 | VV | 292        | 5825  | 0.29% | 0.012% |
| 50 | 5.934 | 5.922 | 5.944 | VV | 290        | 2627  | 0.13% | 0.005% |
| 51 | 5.963 | 5.944 | 6.027 | VV | 467        | 10409 | 0.51% | 0.021% |
| 52 | 6.043 | 6.027 | 6.057 | VV | 215        | 2399  | 0.12% | 0.005% |
| 53 | 6.073 | 6.057 | 6.096 | VV | 233        | 3478  | 0.17% | 0.007% |
| 54 | 6.123 | 6.096 | 6.181 | VV | 302        | 9921  | 0.49% | 0.020% |
| 55 | 6.204 | 6.181 | 6.221 | VV | 297        | 4573  | 0.22% | 0.009% |
| 56 | 6.237 | 6.221 | 6.312 | VV | 286        | 10453 | 0.51% | 0.021% |
| 57 | 6.323 | 6.312 | 6.367 | VV | 262        | 4976  | 0.24% | 0.010% |
| 58 | 6.384 | 6.367 | 6.402 | VV | 453        | 5103  | 0.25% | 0.010% |
| 59 | 6.422 | 6.402 | 6.447 | VV | 271        | 4458  | 0.22% | 0.009% |
| 60 | 6.456 | 6.447 | 6.482 | VV | 89         | 1239  | 0.06% | 0.003% |
| 61 | 6.514 | 6.502 | 6.539 | PV | 225        | 2723  | 0.13% | 0.006% |
| 62 | 6.555 | 6.539 | 6.604 | VV | 274        | 6101  | 0.30% | 0.012% |
| 63 | 6.633 | 6.604 | 6.651 | PV | 301        | 4491  | 0.22% | 0.009% |
| 64 | 6.659 | 6.651 | 6.704 | VV | 213        | 4332  | 0.21% | 0.009% |
| 65 | 6.722 | 6.704 | 6.742 | VV | 247        | 4459  | 0.22% | 0.009% |
| 66 | 6.779 | 6.742 | 6.815 | VV | 279        | 8678  | 0.43% | 0.018% |
| 67 | 6.833 | 6.815 | 6.877 | VV | 286        | 6251  | 0.31% | 0.013% |
| 68 | 6.889 | 6.877 | 6.916 | VV | 216        | 3995  | 0.20% | 0.008% |
| 69 | 6.937 | 6.916 | 6.971 | VV | 516        | 9101  | 0.45% | 0.019% |
| 70 | 6.983 | 6.971 | 7.012 | VV | 220        | 4435  | 0.22% | 0.009% |
| 71 | 7.034 | 7.012 | 7.046 | VV | 340        | 3885  | 0.19% | 0.008% |
| 72 | 7.056 | 7.046 | 7.080 | VV | 212        | 3067  | 0.15% | 0.006% |
| 73 | 7.101 | 7.080 | 7.124 | VV | 246        | 4427  | 0.22% | 0.009% |
| 74 | 7.154 | 7.124 | 7.186 | VV | 431        | 8082  | 0.40% | 0.016% |
| 75 | 7.211 | 7.186 | 7.265 | VV | 200        | 5853  | 0.29% | 0.012% |
| 76 | 7.282 | 7.265 | 7.302 | VV | 228        | 2686  | 0.13% | 0.005% |
| 77 | 7.324 | 7.302 | 7.356 | VV | 396        | 5774  | 0.28% | 0.012% |
| 78 | 7.374 | 7.356 | 7.401 | VV | 214        | 2756  | 0.14% | 0.006% |
| 79 | 7.574 | 7.547 | 7.655 | VV | 1666       | 64200 | 3.15% | 0.131% |
| 80 | 7.664 | 7.655 | 7.695 | VV | 518        | 10511 | 0.52% | 0.021% |
| 81 | 7.720 | 7.695 | 7.737 | VV | 554        | 11687 | 0.57% | 0.024% |
| 82 | 7.748 | 7.737 | 7.767 | VV | 498        | 7877  | 0.39% | 0.016% |
| 83 | 7.775 | 7.767 | 7.802 | VV | 401        | 6839  | 0.34% | 0.014% |
| 84 | 7.843 | 7.802 | 7.864 | VV | 487        | 12935 | 0.64% | 0.026% |
| 85 | 7.891 | 7.864 | 7.907 | VV | 403        | 8692  | 0.43% | 0.018% |
| 86 | 7.938 | 7.907 | 7.956 | VV | 614        | 12477 | 0.61% | 0.025% |
| 87 | 8.017 | 7.956 | 8.055 | VV | 819        | 32156 | 1.58% | 0.065% |
| 88 | 8.079 | 8.055 | 8.105 | VV | 4598       | 54573 | 2.68% | 0.111% |
| 89 | 8.119 | 8.105 | 8.146 | VV | 817        | 13327 | 0.65% | 0.027% |

|     |        |        |        |    |            |       |       |        |
|-----|--------|--------|--------|----|------------|-------|-------|--------|
|     |        |        |        |    | rteres.txt |       |       |        |
| 90  | 8.169  | 8.146  | 8.193  | VV | 870        | 13451 | 0.66% | 0.027% |
| 91  | 8.202  | 8.193  | 8.251  | VV | 270        | 5870  | 0.29% | 0.012% |
| 92  | 8.260  | 8.251  | 8.279  | VV | 210        | 2557  | 0.13% | 0.005% |
| 93  | 8.462  | 8.447  | 8.509  | VV | 1081       | 28813 | 1.42% | 0.059% |
| 94  | 8.526  | 8.509  | 8.544  | VV | 862        | 13779 | 0.68% | 0.028% |
| 95  | 8.556  | 8.544  | 8.590  | VV | 645        | 12315 | 0.61% | 0.025% |
| 96  | 8.602  | 8.590  | 8.617  | VV | 421        | 5485  | 0.27% | 0.011% |
| 97  | 8.628  | 8.617  | 8.644  | VV | 471        | 6301  | 0.31% | 0.013% |
| 98  | 8.655  | 8.644  | 8.686  | VV | 489        | 9727  | 0.48% | 0.020% |
| 99  | 8.693  | 8.686  | 8.711  | VV | 423        | 5123  | 0.25% | 0.010% |
| 100 | 8.749  | 8.711  | 8.786  | VV | 619        | 19748 | 0.97% | 0.040% |
| 101 | 8.793  | 8.786  | 8.807  | VV | 372        | 4171  | 0.20% | 0.008% |
| 102 | 8.840  | 8.807  | 8.904  | VV | 709        | 22427 | 1.10% | 0.046% |
| 103 | 8.925  | 8.904  | 8.947  | VV | 321        | 4969  | 0.24% | 0.010% |
| 104 | 8.976  | 8.947  | 8.997  | PV | 450        | 8057  | 0.40% | 0.016% |
| 105 | 9.030  | 8.997  | 9.097  | VV | 1135       | 25405 | 1.25% | 0.052% |
| 106 | 9.114  | 9.097  | 9.152  | VV | 322        | 6464  | 0.32% | 0.013% |
| 107 | 9.212  | 9.152  | 9.241  | VV | 763        | 19466 | 0.96% | 0.040% |
| 108 | 9.267  | 9.241  | 9.307  | VV | 929        | 17787 | 0.87% | 0.036% |
| 109 | 9.342  | 9.307  | 9.356  | VV | 566        | 8012  | 0.39% | 0.016% |
| 110 | 9.374  | 9.356  | 9.386  | VV | 437        | 5615  | 0.28% | 0.011% |
| 111 | 9.400  | 9.386  | 9.415  | VV | 476        | 5177  | 0.25% | 0.011% |
| 112 | 9.443  | 9.415  | 9.456  | VV | 279        | 4543  | 0.22% | 0.009% |
| 113 | 9.470  | 9.456  | 9.497  | VV | 213        | 2880  | 0.14% | 0.006% |
| 114 | 9.536  | 9.497  | 9.553  | VV | 329        | 9275  | 0.46% | 0.019% |
| 115 | 9.569  | 9.553  | 9.579  | VV | 359        | 4758  | 0.23% | 0.010% |
| 116 | 9.612  | 9.579  | 9.647  | VV | 1013       | 21115 | 1.04% | 0.043% |
| 117 | 9.661  | 9.647  | 9.681  | VV | 347        | 4962  | 0.24% | 0.010% |
| 118 | 9.709  | 9.681  | 9.740  | VV | 362        | 7315  | 0.36% | 0.015% |
| 119 | 9.770  | 9.740  | 9.801  | VV | 292        | 6986  | 0.34% | 0.014% |
| 120 | 9.805  | 9.801  | 9.824  | VV | 143        | 1199  | 0.06% | 0.002% |
| 121 | 9.856  | 9.824  | 9.871  | PV | 236        | 3938  | 0.19% | 0.008% |
| 122 | 9.934  | 9.871  | 9.964  | VV | 483        | 11284 | 0.55% | 0.023% |
| 123 | 9.987  | 9.964  | 10.019 | VV | 535        | 11526 | 0.57% | 0.023% |
| 124 | 10.042 | 10.019 | 10.085 | VV | 901        | 22647 | 1.11% | 0.046% |
| 125 | 10.105 | 10.085 | 10.122 | VV | 579        | 10526 | 0.52% | 0.021% |
| 126 | 10.137 | 10.122 | 10.162 | VV | 435        | 6967  | 0.34% | 0.014% |
| 127 | 10.192 | 10.162 | 10.224 | VV | 578        | 13967 | 0.69% | 0.028% |
| 128 | 10.247 | 10.224 | 10.262 | VV | 750        | 12225 | 0.60% | 0.025% |
| 129 | 10.276 | 10.262 | 10.292 | VV | 769        | 9718  | 0.48% | 0.020% |
| 130 | 10.324 | 10.292 | 10.332 | VV | 772        | 13363 | 0.66% | 0.027% |
| 131 | 10.350 | 10.332 | 10.376 | VV | 1293       | 19762 | 0.97% | 0.040% |
| 132 | 10.404 | 10.376 | 10.426 | VV | 726        | 16177 | 0.79% | 0.033% |
| 133 | 10.434 | 10.426 | 10.474 | VV | 590        | 10581 | 0.52% | 0.022% |
| 134 | 10.482 | 10.474 | 10.504 | VV | 384        | 3534  | 0.17% | 0.007% |
| 135 | 10.517 | 10.504 | 10.534 | PV | 279        | 3388  | 0.17% | 0.007% |
| 136 | 10.585 | 10.534 | 10.639 | VV | 3920       | 76240 | 3.75% | 0.155% |
| 137 | 10.663 | 10.639 | 10.710 | VV | 1065       | 24119 | 1.19% | 0.049% |
| 138 | 10.743 | 10.710 | 10.776 | VV | 373        | 10700 | 0.53% | 0.022% |
| 139 | 10.800 | 10.776 | 10.817 | PV | 438        | 5402  | 0.27% | 0.011% |
| 140 | 10.827 | 10.817 | 10.854 | VV | 286        | 3557  | 0.17% | 0.007% |
| 141 | 10.894 | 10.854 | 10.921 | VV | 576        | 11147 | 0.55% | 0.023% |

| rteres.txt |        |        |        |    |       |        |        |        |
|------------|--------|--------|--------|----|-------|--------|--------|--------|
| 142        | 10.936 | 10.921 | 10.952 | VV | 369   | 5548   | 0.27%  | 0.011% |
| 143        | 10.979 | 10.952 | 11.013 | VV | 646   | 13823  | 0.68%  | 0.028% |
| 144        | 11.051 | 11.013 | 11.089 | VV | 1608  | 31155  | 1.53%  | 0.063% |
| 145        | 11.107 | 11.089 | 11.146 | VV | 856   | 19749  | 0.97%  | 0.040% |
|            |        |        |        |    |       |        |        |        |
| 146        | 11.169 | 11.146 | 11.199 | VV | 611   | 11613  | 0.57%  | 0.024% |
| 147        | 11.238 | 11.199 | 11.254 | PV | 1068  | 14690  | 0.72%  | 0.030% |
| 148        | 11.273 | 11.254 | 11.304 | VV | 732   | 13305  | 0.65%  | 0.027% |
| 149        | 11.349 | 11.304 | 11.399 | PV | 79038 | 908397 | 44.63% | 1.849% |
| 150        | 11.413 | 11.399 | 11.456 | VV | 1950  | 38615  | 1.90%  | 0.079% |
|            |        |        |        |    |       |        |        |        |
| 151        | 11.494 | 11.456 | 11.508 | VV | 1806  | 34862  | 1.71%  | 0.071% |
| 152        | 11.527 | 11.508 | 11.545 | VV | 2494  | 37372  | 1.84%  | 0.076% |
| 153        | 11.559 | 11.545 | 11.589 | VV | 1732  | 27622  | 1.36%  | 0.056% |
| 154        | 11.592 | 11.589 | 11.616 | VV | 688   | 5628   | 0.28%  | 0.011% |
| 155        | 11.638 | 11.616 | 11.661 | PV | 849   | 10665  | 0.52%  | 0.022% |
|            |        |        |        |    |       |        |        |        |
| 156        | 11.718 | 11.661 | 11.740 | VV | 1875  | 40250  | 1.98%  | 0.082% |
| 157        | 11.776 | 11.740 | 11.799 | VV | 1153  | 28821  | 1.42%  | 0.059% |
| 158        | 11.842 | 11.799 | 11.867 | VV | 1019  | 27578  | 1.36%  | 0.056% |
| 159        | 11.878 | 11.867 | 11.893 | VV | 1006  | 9671   | 0.48%  | 0.020% |
| 160        | 11.916 | 11.893 | 11.969 | VV | 2733  | 45473  | 2.23%  | 0.093% |
|            |        |        |        |    |       |        |        |        |
| 161        | 11.991 | 11.969 | 12.011 | PV | 861   | 12718  | 0.62%  | 0.026% |
| 162        | 12.025 | 12.011 | 12.036 | VV | 844   | 8965   | 0.44%  | 0.018% |
| 163        | 12.057 | 12.036 | 12.098 | VV | 2631  | 49124  | 2.41%  | 0.100% |
| 164        | 12.132 | 12.098 | 12.152 | VV | 1546  | 26629  | 1.31%  | 0.054% |
| 165        | 12.168 | 12.152 | 12.212 | VV | 1764  | 30107  | 1.48%  | 0.061% |
|            |        |        |        |    |       |        |        |        |
| 166        | 12.235 | 12.212 | 12.244 | PV | 517   | 5306   | 0.26%  | 0.011% |
| 167        | 12.275 | 12.244 | 12.296 | VV | 4185  | 57238  | 2.81%  | 0.117% |
| 168        | 12.311 | 12.296 | 12.326 | VV | 2033  | 28145  | 1.38%  | 0.057% |
| 169        | 12.347 | 12.326 | 12.367 | VV | 3355  | 51245  | 2.52%  | 0.104% |
| 170        | 12.388 | 12.367 | 12.427 | VV | 13218 | 181113 | 8.90%  | 0.369% |
|            |        |        |        |    |       |        |        |        |
| 171        | 12.441 | 12.427 | 12.459 | VV | 1758  | 22884  | 1.12%  | 0.047% |
| 172        | 12.475 | 12.459 | 12.505 | VV | 1607  | 29840  | 1.47%  | 0.061% |
| 173        | 12.523 | 12.505 | 12.552 | VV | 1392  | 24809  | 1.22%  | 0.050% |
| 174        | 12.580 | 12.552 | 12.602 | VV | 1329  | 23232  | 1.14%  | 0.047% |
| 175        | 12.642 | 12.602 | 12.662 | VV | 1538  | 36533  | 1.80%  | 0.074% |
|            |        |        |        |    |       |        |        |        |
| 176        | 12.683 | 12.662 | 12.736 | VV | 14890 | 200889 | 9.87%  | 0.409% |
| 177        | 12.792 | 12.736 | 12.851 | VV | 60002 | 766176 | 37.65% | 1.560% |
| 178        | 12.871 | 12.851 | 12.915 | VV | 3030  | 67678  | 3.33%  | 0.138% |
| 179        | 12.926 | 12.915 | 12.936 | VV | 675   | 5455   | 0.27%  | 0.011% |
| 180        | 12.960 | 12.936 | 13.001 | PV | 3789  | 92982  | 4.57%  | 0.189% |
|            |        |        |        |    |       |        |        |        |
| 181        | 13.021 | 13.001 | 13.066 | VV | 3933  | 87246  | 4.29%  | 0.178% |
| 182        | 13.085 | 13.066 | 13.096 | VV | 2448  | 27989  | 1.38%  | 0.057% |
| 183        | 13.113 | 13.096 | 13.136 | VV | 2089  | 36852  | 1.81%  | 0.075% |
| 184        | 13.150 | 13.136 | 13.177 | VV | 1470  | 22973  | 1.13%  | 0.047% |
| 185        | 13.202 | 13.177 | 13.216 | PV | 1733  | 22358  | 1.10%  | 0.046% |
|            |        |        |        |    |       |        |        |        |
| 186        | 13.235 | 13.216 | 13.248 | VV | 2012  | 27390  | 1.35%  | 0.056% |
| 187        | 13.273 | 13.248 | 13.299 | VV | 3933  | 67230  | 3.30%  | 0.137% |
| 188        | 13.321 | 13.299 | 13.332 | VV | 2114  | 28146  | 1.38%  | 0.057% |
| 189        | 13.365 | 13.332 | 13.401 | VV | 16388 | 255566 | 12.56% | 0.520% |
| 190        | 13.417 | 13.401 | 13.436 | VV | 2552  | 41123  | 2.02%  | 0.084% |
|            |        |        |        |    |       |        |        |        |
| 191        | 13.451 | 13.436 | 13.471 | VV | 3419  | 57664  | 2.83%  | 0.117% |
| 192        | 13.497 | 13.471 | 13.509 | VV | 4236  | 72403  | 3.56%  | 0.147% |
| 193        | 13.544 | 13.509 | 13.577 | VV | 8918  | 197535 | 9.71%  | 0.402% |
| 194        | 13.589 | 13.577 | 13.616 | VV | 2579  | 39502  | 1.94%  | 0.080% |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 195 | 13.647 | 13.616 | 13.664 | VV | 2369       | 50034  | 2.46%  | 0.102% |
| 196 | 13.680 | 13.664 | 13.702 | VV | 2564       | 37156  | 1.83%  | 0.076% |
| 197 | 13.723 | 13.702 | 13.743 | VV | 1997       | 31866  | 1.57%  | 0.065% |
| 198 | 13.761 | 13.743 | 13.779 | VV | 1960       | 27869  | 1.37%  | 0.057% |
| 199 | 13.797 | 13.779 | 13.817 | PV | 2366       | 35150  | 1.73%  | 0.072% |
| 200 | 13.834 | 13.817 | 13.849 | VV | 2412       | 32383  | 1.59%  | 0.066% |
| 201 | 13.886 | 13.849 | 13.901 | VV | 2169       | 44760  | 2.20%  | 0.091% |
| 202 | 13.937 | 13.901 | 13.954 | VV | 2794       | 66754  | 3.28%  | 0.136% |
| 203 | 13.998 | 13.954 | 14.019 | VV | 3558       | 105885 | 5.20%  | 0.216% |
| 204 | 14.034 | 14.019 | 14.071 | VV | 4431       | 83369  | 4.10%  | 0.170% |
| 205 | 14.108 | 14.071 | 14.127 | VV | 5425       | 114447 | 5.62%  | 0.233% |
| 206 | 14.144 | 14.127 | 14.157 | VV | 4007       | 63821  | 3.14%  | 0.130% |
| 207 | 14.185 | 14.157 | 14.227 | VV | 4028       | 126443 | 6.21%  | 0.257% |
| 208 | 14.246 | 14.227 | 14.276 | VV | 4243       | 69445  | 3.41%  | 0.141% |
| 209 | 14.301 | 14.276 | 14.311 | VV | 1760       | 25417  | 1.25%  | 0.052% |
| 210 | 14.340 | 14.311 | 14.350 | VV | 2295       | 36835  | 1.81%  | 0.075% |
| 211 | 14.376 | 14.350 | 14.395 | VV | 3435       | 59155  | 2.91%  | 0.120% |
| 212 | 14.403 | 14.395 | 14.421 | VV | 2067       | 19718  | 0.97%  | 0.040% |
| 213 | 14.438 | 14.421 | 14.457 | VV | 1731       | 22417  | 1.10%  | 0.046% |
| 214 | 14.482 | 14.457 | 14.516 | VV | 16349      | 228102 | 11.21% | 0.464% |
| 215 | 14.556 | 14.516 | 14.574 | VV | 7277       | 136285 | 6.70%  | 0.277% |
| 216 | 14.597 | 14.574 | 14.621 | VV | 8226       | 136930 | 6.73%  | 0.279% |
| 217 | 14.646 | 14.621 | 14.674 | VV | 8444       | 132583 | 6.51%  | 0.270% |
| 218 | 14.710 | 14.674 | 14.731 | VV | 3422       | 80022  | 3.93%  | 0.163% |
| 219 | 14.755 | 14.731 | 14.777 | VV | 3995       | 72762  | 3.58%  | 0.148% |
| 220 | 14.791 | 14.777 | 14.831 | VV | 2477       | 39216  | 1.93%  | 0.080% |
| 221 | 14.885 | 14.831 | 14.902 | PV | 1831       | 52469  | 2.58%  | 0.107% |
| 222 | 14.954 | 14.902 | 14.984 | VV | 1696       | 37479  | 1.84%  | 0.076% |
| 223 | 15.017 | 14.984 | 15.026 | VV | 2131       | 35141  | 1.73%  | 0.072% |
| 224 | 15.069 | 15.026 | 15.107 | VV | 3527       | 114380 | 5.62%  | 0.233% |
| 225 | 15.162 | 15.107 | 15.194 | VV | 7167       | 159074 | 7.82%  | 0.324% |
| 226 | 15.229 | 15.194 | 15.254 | VV | 4709       | 109271 | 5.37%  | 0.222% |
| 227 | 15.263 | 15.254 | 15.307 | VV | 3807       | 68826  | 3.38%  | 0.140% |
| 228 | 15.314 | 15.307 | 15.325 | VV | 1282       | 6833   | 0.34%  | 0.014% |
| 229 | 15.400 | 15.325 | 15.446 | VV | 3043       | 136832 | 6.72%  | 0.279% |
| 230 | 15.457 | 15.446 | 15.471 | VV | 2347       | 15423  | 0.76%  | 0.031% |
| 231 | 15.528 | 15.471 | 15.536 | VV | 2481       | 67306  | 3.31%  | 0.137% |
| 232 | 15.555 | 15.536 | 15.569 | VV | 3331       | 52043  | 2.56%  | 0.106% |
| 233 | 15.580 | 15.569 | 15.602 | VV | 2745       | 41284  | 2.03%  | 0.084% |
| 234 | 15.613 | 15.602 | 15.621 | VV | 2607       | 21006  | 1.03%  | 0.043% |
| 235 | 15.663 | 15.621 | 15.699 | VV | 14061      | 244716 | 12.02% | 0.498% |
| 236 | 15.709 | 15.699 | 15.725 | VV | 2550       | 33163  | 1.63%  | 0.068% |
| 237 | 15.738 | 15.725 | 15.747 | VV | 2283       | 21931  | 1.08%  | 0.045% |
| 238 | 15.763 | 15.747 | 15.787 | VV | 1995       | 26981  | 1.33%  | 0.055% |
| 239 | 15.826 | 15.787 | 15.857 | PV | 5132       | 108897 | 5.35%  | 0.222% |
| 240 | 15.864 | 15.857 | 15.878 | VV | 2184       | 17736  | 0.87%  | 0.036% |
| 241 | 15.935 | 15.878 | 15.956 | PV | 4275       | 115365 | 5.67%  | 0.235% |
| 242 | 15.974 | 15.956 | 15.987 | VV | 2403       | 30858  | 1.52%  | 0.063% |
| 243 | 15.996 | 15.987 | 16.012 | VV | 2580       | 26254  | 1.29%  | 0.053% |
| 244 | 16.030 | 16.012 | 16.051 | VV | 3732       | 53469  | 2.63%  | 0.109% |
| 245 | 16.058 | 16.051 | 16.071 | VV | 1225       | 10439  | 0.51%  | 0.021% |
| 246 | 16.110 | 16.071 | 16.120 | PV | 9610       | 148702 | 7.31%  | 0.303% |

|     |        |        |        |    | rteres.txt |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
| 247 | 16.141 | 16.120 | 16.177 | VV | 13494      | 259371 | 12.74% | 0.528% |
| 248 | 16.239 | 16.177 | 16.248 | VV | 5542       | 167035 | 8.21%  | 0.340% |
| 249 | 16.263 | 16.248 | 16.272 | VV | 5240       | 73910  | 3.63%  | 0.150% |
| 250 | 16.280 | 16.272 | 16.304 | VV | 6001       | 84425  | 4.15%  | 0.172% |
| 251 | 16.337 | 16.304 | 16.364 | VV | 5384       | 140576 | 6.91%  | 0.286% |
| 252 | 16.388 | 16.364 | 16.409 | VV | 4840       | 101566 | 4.99%  | 0.207% |
| 253 | 16.428 | 16.409 | 16.456 | VV | 8650       | 148974 | 7.32%  | 0.303% |
| 254 | 16.486 | 16.456 | 16.512 | VV | 7693       | 153568 | 7.55%  | 0.313% |
| 255 | 16.538 | 16.512 | 16.556 | VV | 2623       | 58183  | 2.86%  | 0.118% |
| 256 | 16.609 | 16.556 | 16.634 | VV | 22392      | 429333 | 21.10% | 0.874% |
| 257 | 16.648 | 16.634 | 16.666 | VV | 7806       | 100503 | 4.94%  | 0.205% |
| 258 | 16.683 | 16.666 | 16.702 | VV | 4838       | 52704  | 2.59%  | 0.107% |
| 259 | 16.720 | 16.702 | 16.732 | VV | 1751       | 24474  | 1.20%  | 0.050% |
| 260 | 16.755 | 16.732 | 16.781 | VV | 4889       | 93539  | 4.60%  | 0.190% |
| 261 | 16.791 | 16.781 | 16.799 | VV | 3795       | 38987  | 1.92%  | 0.079% |
| 262 | 16.819 | 16.799 | 16.839 | VV | 6039       | 94501  | 4.64%  | 0.192% |
| 263 | 16.844 | 16.839 | 16.876 | VV | 3679       | 63687  | 3.13%  | 0.130% |
| 264 | 16.898 | 16.876 | 16.922 | VV | 6429       | 129735 | 6.37%  | 0.264% |
| 265 | 16.942 | 16.922 | 16.954 | VV | 4959       | 79063  | 3.88%  | 0.161% |
| 266 | 16.990 | 16.954 | 17.029 | VV | 9466       | 271776 | 13.35% | 0.553% |
| 267 | 17.061 | 17.029 | 17.092 | VV | 19254      | 381646 | 18.75% | 0.777% |
| 268 | 17.109 | 17.092 | 17.124 | VV | 6501       | 92463  | 4.54%  | 0.188% |
| 269 | 17.145 | 17.124 | 17.196 | VV | 6804       | 171956 | 8.45%  | 0.350% |
| 270 | 17.214 | 17.196 | 17.232 | VV | 6202       | 86445  | 4.25%  | 0.176% |
| 271 | 17.251 | 17.232 | 17.286 | VV | 3572       | 68124  | 3.35%  | 0.139% |
| 272 | 17.296 | 17.286 | 17.312 | VV | 2266       | 22334  | 1.10%  | 0.045% |
| 273 | 17.336 | 17.312 | 17.350 | VV | 4045       | 51615  | 2.54%  | 0.105% |
| 274 | 17.377 | 17.350 | 17.416 | VV | 6380       | 160087 | 7.87%  | 0.326% |
| 275 | 17.491 | 17.416 | 17.531 | VV | 18089      | 542385 | 26.65% | 1.104% |
| 276 | 17.608 | 17.531 | 17.687 | VV | 19765      | 626215 | 30.77% | 1.275% |
| 277 | 17.700 | 17.687 | 17.736 | VV | 3999       | 61364  | 3.02%  | 0.125% |
| 278 | 17.764 | 17.736 | 17.773 | PV | 5110       | 59567  | 2.93%  | 0.121% |
| 279 | 17.792 | 17.773 | 17.836 | VV | 6701       | 173903 | 8.54%  | 0.354% |
| 280 | 17.858 | 17.836 | 17.882 | VV | 7004       | 137788 | 6.77%  | 0.280% |
| 281 | 17.916 | 17.882 | 17.942 | VV | 19007      | 351509 | 17.27% | 0.716% |
| 282 | 17.976 | 17.942 | 18.004 | VV | 17392      | 344300 | 16.92% | 0.701% |
| 283 | 18.020 | 18.004 | 18.038 | VV | 7992       | 123308 | 6.06%  | 0.251% |
| 284 | 18.048 | 18.038 | 18.081 | VV | 5586       | 112603 | 5.53%  | 0.229% |
| 285 | 18.120 | 18.081 | 18.138 | VV | 6901       | 171519 | 8.43%  | 0.349% |
| 286 | 18.189 | 18.138 | 18.204 | VV | 7099       | 187203 | 9.20%  | 0.381% |
| 287 | 18.228 | 18.204 | 18.242 | VV | 5445       | 107811 | 5.30%  | 0.219% |
| 288 | 18.258 | 18.242 | 18.277 | VV | 5597       | 97649  | 4.80%  | 0.199% |
| 289 | 18.324 | 18.277 | 18.359 | VV | 19986      | 458231 | 22.52% | 0.933% |
| 290 | 18.397 | 18.359 | 18.412 | VV | 17946      | 327744 | 16.10% | 0.667% |
| 291 | 18.447 | 18.412 | 18.484 | VV | 16354      | 472877 | 23.23% | 0.963% |
| 292 | 18.490 | 18.484 | 18.509 | VV | 7582       | 102795 | 5.05%  | 0.209% |
| 293 | 18.534 | 18.509 | 18.547 | VV | 7347       | 146235 | 7.19%  | 0.298% |
| 294 | 18.566 | 18.547 | 18.590 | VV | 8866       | 184134 | 9.05%  | 0.375% |
| 295 | 18.645 | 18.590 | 18.663 | VV | 11450      | 387939 | 19.06% | 0.790% |
| 296 | 18.677 | 18.663 | 18.689 | VV | 11329      | 157704 | 7.75%  | 0.321% |
| 297 | 18.725 | 18.689 | 18.776 | VV | 25349      | 794942 | 39.06% | 1.618% |
| 298 | 18.793 | 18.776 | 18.804 | VV | 16223      | 236485 | 11.62% | 0.481% |
| 299 | 18.819 | 18.804 | 18.866 | VV | 17012      | 467845 | 22.99% | 0.952% |

|     |        |        |        |    | rteres.txt |         |         |        |
|-----|--------|--------|--------|----|------------|---------|---------|--------|
| 300 | 18.881 | 18.866 | 18.902 | VV | 12016      | 214266  | 10.53%  | 0.436% |
| 301 | 18.917 | 18.902 | 18.932 | VV | 12934      | 200065  | 9.83%   | 0.407% |
| 302 | 18.944 | 18.932 | 18.981 | VV | 13248      | 341951  | 16.80%  | 0.696% |
| 303 | 19.003 | 18.981 | 19.011 | VV | 14285      | 225035  | 11.06%  | 0.458% |
| 304 | 19.030 | 19.011 | 19.043 | VV | 14928      | 252829  | 12.42%  | 0.515% |
| 305 | 19.056 | 19.043 | 19.066 | VV | 12247      | 155517  | 7.64%   | 0.317% |
| 306 | 19.105 | 19.066 | 19.125 | VV | 23396      | 584318  | 28.71%  | 1.189% |
| 307 | 19.139 | 19.125 | 19.172 | VV | 18498      | 439101  | 21.58%  | 0.894% |
| 308 | 19.182 | 19.172 | 19.194 | VV | 18228      | 211080  | 10.37%  | 0.430% |
| 309 | 19.204 | 19.194 | 19.232 | VV | 19565      | 369026  | 18.13%  | 0.751% |
| 310 | 19.285 | 19.232 | 19.297 | VV | 17678      | 624035  | 30.66%  | 1.270% |
| 311 | 19.331 | 19.297 | 19.371 | VV | 20293      | 796195  | 39.12%  | 1.621% |
| 312 | 19.420 | 19.371 | 19.452 | VV | 22247      | 896045  | 44.03%  | 1.824% |
| 313 | 19.478 | 19.452 | 19.497 | VV | 24037      | 566203  | 27.82%  | 1.153% |
| 314 | 19.513 | 19.497 | 19.544 | VV | 22988      | 619147  | 30.42%  | 1.260% |
| 315 | 19.640 | 19.544 | 19.672 | VV | 32311      | 2035209 | 100.00% | 4.143% |
| 316 | 19.698 | 19.672 | 19.709 | VV | 27520      | 594606  | 29.22%  | 1.210% |
| 317 | 19.724 | 19.709 | 19.754 | VV | 29080      | 676377  | 33.23%  | 1.377% |
| 318 | 19.793 | 19.754 | 19.807 | VV | 26447      | 756028  | 37.15%  | 1.539% |
| 319 | 19.847 | 19.807 | 19.859 | VV | 33164      | 949948  | 46.68%  | 1.934% |
| 320 | 19.886 | 19.859 | 19.909 | VV | 37733      | 1035804 | 50.89%  | 2.108% |
| 321 | 19.928 | 19.909 | 19.942 | VV | 39107      | 713616  | 35.06%  | 1.453% |
| 322 | 19.948 | 19.942 | 19.981 | VV | 37119      | 774020  | 38.03%  | 1.576% |
| 323 | 19.993 | 19.981 | 20.014 | VV | 32868      | 632731  | 31.09%  | 1.288% |
| 324 | 20.031 | 20.014 | 20.042 | VV | 34249      | 549071  | 26.98%  | 1.118% |
| 325 | 20.047 | 20.042 | 20.062 | VV | 32415      | 370440  | 18.20%  | 0.754% |
| 326 | 20.078 | 20.062 | 20.089 | VV | 35307      | 521794  | 25.64%  | 1.062% |
| 327 | 20.105 | 20.089 | 20.121 | VV | 37097      | 667129  | 32.78%  | 1.358% |
| 328 | 20.140 | 20.121 | 20.149 | VV | 42004      | 672434  | 33.04%  | 1.369% |
| 329 | 20.173 | 20.149 | 20.187 | VV | 43031      | 952866  | 46.82%  | 1.940% |
| 330 | 20.206 | 20.187 | 20.224 | VV | 46050      | 912603  | 44.84%  | 1.858% |
| 331 | 20.234 | 20.224 | 20.246 | VV | 36342      | 469093  | 23.05%  | 0.955% |
| 332 | 20.324 | 20.246 | 20.332 | VV | 43999      | 1958335 | 96.22%  | 3.986% |
| 333 | 20.357 | 20.332 | 20.368 | VV | 51597      | 1022994 | 50.26%  | 2.082% |
| 334 | 20.393 | 20.368 | 20.426 | VV | 52811      | 1790259 | 87.96%  | 3.644% |
| 335 | 20.432 | 20.426 | 20.476 | VV | 50011      | 1350811 | 66.37%  | 2.750% |
| 336 | 20.484 | 20.476 | 20.512 | VV | 38365      | 795007  | 39.06%  | 1.618% |
| 337 | 20.535 | 20.512 | 20.545 | VV | 36987      | 691822  | 33.99%  | 1.408% |
| 338 | 20.555 | 20.545 | 20.567 | VV | 37387      | 474555  | 23.32%  | 0.966% |
| 339 | 20.588 | 20.567 | 20.601 | VV | 35647      | 692047  | 34.00%  | 1.409% |
| 340 | 20.639 | 20.601 | 20.657 | VV | 38908      | 1242112 | 61.03%  | 2.528% |

Sum of corrected areas: 49127062

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