

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC080218AL\  
 Data File : FC035752.D  
 Signal(s) : FID1A.CH  
 Acq On : 03 Aug 2018 2:39  
 Sample : J4278-05DL 10X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 080218.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         | 3.251       | 3.209        | 3.259      | BV       | 105            | 1242         | 0.01%          | 0.002%        |
| 2         | 3.295       | 3.279        | 3.311      | VV       | 203            | 1685         | 0.01%          | 0.003%        |
| 3         | 3.317       | 3.311        | 3.374      | VV       | 156            | 3448         | 0.03%          | 0.007%        |
| 4         | 3.399       | 3.374        | 3.417      | VV       | 170            | 2474         | 0.02%          | 0.005%        |
| 5         | 3.424       | 3.417        | 3.474      | VV       | 174            | 2042         | 0.02%          | 0.004%        |
| 6         | 3.483       | 3.474        | 3.501      | PV       | 116            | 1592         | 0.01%          | 0.003%        |
| 7         | 3.507       | 3.501        | 3.542      | VV       | 200            | 2858         | 0.02%          | 0.006%        |
| 8         | 3.551       | 3.542        | 3.569      | VV       | 221            | 2039         | 0.02%          | 0.004%        |
| 9         | 3.594       | 3.569        | 3.611      | VV       | 244            | 3647         | 0.03%          | 0.007%        |
| 10        | 3.617       | 3.611        | 3.690      | VV       | 268            | 7827         | 0.07%          | 0.016%        |
| 11        | 3.714       | 3.690        | 3.728      | PV       | 203            | 2976         | 0.03%          | 0.006%        |
| 12        | 3.740       | 3.728        | 3.806      | VV       | 192            | 6361         | 0.06%          | 0.013%        |
| 13        | 3.819       | 3.806        | 3.866      | VV       | 263            | 5725         | 0.05%          | 0.011%        |
| 14        | 3.870       | 3.866        | 3.878      | VV       | 209            | 1269         | 0.01%          | 0.003%        |
| 15        | 3.896       | 3.878        | 3.940      | VV       | 268            | 7329         | 0.06%          | 0.015%        |
| 16        | 3.972       | 3.940        | 4.016      | VV       | 333            | 9194         | 0.08%          | 0.018%        |
| 17        | 4.028       | 4.016        | 4.044      | VV       | 301            | 2893         | 0.03%          | 0.006%        |
| 18        | 4.065       | 4.044        | 4.082      | VV       | 571            | 8343         | 0.07%          | 0.017%        |
| 19        | 4.092       | 4.082        | 4.107      | VV       | 387            | 4173         | 0.04%          | 0.008%        |
| 20        | 4.116       | 4.107        | 4.164      | VV       | 213            | 5493         | 0.05%          | 0.011%        |
| 21        | 4.179       | 4.164        | 4.192      | VV       | 196            | 2082         | 0.02%          | 0.004%        |
| 22        | 4.204       | 4.192        | 4.213      | VV       | 202            | 1659         | 0.01%          | 0.003%        |
| 23        | 4.238       | 4.213        | 4.249      | PV       | 214            | 2735         | 0.02%          | 0.005%        |
| 24        | 4.263       | 4.249        | 4.276      | VV       | 224            | 2590         | 0.02%          | 0.005%        |
| 25        | 4.294       | 4.276        | 4.320      | VV       | 320            | 5304         | 0.05%          | 0.011%        |
| 26        | 4.331       | 4.320        | 4.384      | VV       | 202            | 5222         | 0.05%          | 0.010%        |
| 27        | 4.400       | 4.384        | 4.434      | VV       | 324            | 5249         | 0.05%          | 0.010%        |
| 28        | 4.449       | 4.434        | 4.472      | VV       | 387            | 4164         | 0.04%          | 0.008%        |
| 29        | 4.515       | 4.472        | 4.537      | VV       | 272            | 7453         | 0.06%          | 0.015%        |
| 30        | 4.547       | 4.537        | 4.652      | VV       | 314            | 12641        | 0.11%          | 0.025%        |
| 31        | 4.668       | 4.652        | 4.684      | VV       | 343            | 4459         | 0.04%          | 0.009%        |
| 32        | 4.717       | 4.684        | 4.734      | VV       | 442            | 8427         | 0.07%          | 0.017%        |
| 33        | 4.759       | 4.734        | 4.781      | VV       | 448            | 8263         | 0.07%          | 0.016%        |
| 34        | 4.816       | 4.781        | 4.835      | VV       | 270            | 6200         | 0.05%          | 0.012%        |
| 35        | 4.846       | 4.835        | 4.867      | PV       | 220            | 2512         | 0.02%          | 0.005%        |
| 36        | 4.888       | 4.867        | 4.892      | VV       | 165            | 1789         | 0.02%          | 0.004%        |

|    |       |       |       |    |            |       |       |        |  |
|----|-------|-------|-------|----|------------|-------|-------|--------|--|
|    |       |       |       |    | rteres.txt |       |       |        |  |
| 37 | 4.929 | 4.892 | 4.959 | VV | 528        | 9077  | 0.08% | 0.018% |  |
| 38 | 4.979 | 4.959 | 4.994 | VV | 436        | 4977  | 0.04% | 0.010% |  |
| 39 | 5.006 | 4.994 | 5.017 | VV | 368        | 3476  | 0.03% | 0.007% |  |
| 40 | 5.036 | 5.017 | 5.056 | VV | 590        | 7955  | 0.07% | 0.016% |  |
| 41 | 5.064 | 5.056 | 5.105 | VV | 400        | 6234  | 0.05% | 0.012% |  |
| 42 | 5.154 | 5.105 | 5.174 | VV | 340        | 8235  | 0.07% | 0.016% |  |
| 43 | 5.194 | 5.174 | 5.204 | VV | 400        | 5189  | 0.04% | 0.010% |  |
| 44 | 5.217 | 5.204 | 5.262 | VV | 355        | 6984  | 0.06% | 0.014% |  |
| 45 | 5.279 | 5.262 | 5.308 | VV | 268        | 3661  | 0.03% | 0.007% |  |
| 46 | 5.330 | 5.308 | 5.385 | VV | 1415       | 26914 | 0.23% | 0.054% |  |
| 47 | 5.398 | 5.385 | 5.438 | VV | 404        | 5082  | 0.04% | 0.010% |  |
| 48 | 5.454 | 5.438 | 5.469 | PV | 163        | 1501  | 0.01% | 0.003% |  |
| 49 | 5.508 | 5.469 | 5.537 | VV | 740        | 10753 | 0.09% | 0.021% |  |
| 50 | 5.543 | 5.537 | 5.564 | VV | 116        | 1569  | 0.01% | 0.003% |  |
| 51 | 5.607 | 5.564 | 5.649 | VV | 791        | 18717 | 0.16% | 0.037% |  |
| 52 | 5.667 | 5.649 | 5.681 | VV | 414        | 6226  | 0.05% | 0.012% |  |
| 53 | 5.697 | 5.681 | 5.724 | VV | 895        | 12428 | 0.11% | 0.025% |  |
| 54 | 5.737 | 5.724 | 5.756 | VV | 374        | 5779  | 0.05% | 0.012% |  |
| 55 | 5.779 | 5.756 | 5.796 | VV | 461        | 6614  | 0.06% | 0.013% |  |
| 56 | 5.831 | 5.796 | 5.851 | VV | 474        | 9923  | 0.09% | 0.020% |  |
| 57 | 5.874 | 5.851 | 5.896 | VV | 534        | 10232 | 0.09% | 0.020% |  |
| 58 | 5.921 | 5.896 | 5.945 | VV | 695        | 11865 | 0.10% | 0.024% |  |
| 59 | 5.966 | 5.945 | 5.987 | VV | 600        | 7142  | 0.06% | 0.014% |  |
| 60 | 6.008 | 5.987 | 6.018 | VV | 703        | 8820  | 0.08% | 0.018% |  |
| 61 | 6.029 | 6.018 | 6.073 | VV | 765        | 18015 | 0.16% | 0.036% |  |
| 62 | 6.088 | 6.073 | 6.121 | VV | 712        | 11916 | 0.10% | 0.024% |  |
| 63 | 6.141 | 6.121 | 6.164 | VV | 797        | 12952 | 0.11% | 0.026% |  |
| 64 | 6.186 | 6.164 | 6.202 | VV | 462        | 8377  | 0.07% | 0.017% |  |
| 65 | 6.236 | 6.202 | 6.267 | VV | 1186       | 24917 | 0.22% | 0.050% |  |
| 66 | 6.307 | 6.267 | 6.377 | VV | 3233       | 56633 | 0.49% | 0.113% |  |
| 67 | 6.391 | 6.377 | 6.404 | VV | 340        | 4472  | 0.04% | 0.009% |  |
| 68 | 6.419 | 6.404 | 6.437 | VV | 547        | 8085  | 0.07% | 0.016% |  |
| 69 | 6.455 | 6.437 | 6.482 | VV | 1302       | 17245 | 0.15% | 0.034% |  |
| 70 | 6.499 | 6.482 | 6.519 | VV | 693        | 8796  | 0.08% | 0.018% |  |
| 71 | 6.527 | 6.519 | 6.538 | VV | 370        | 2697  | 0.02% | 0.005% |  |
| 72 | 6.580 | 6.538 | 6.601 | VV | 1164       | 17347 | 0.15% | 0.035% |  |
| 73 | 6.640 | 6.601 | 6.672 | PV | 997        | 18549 | 0.16% | 0.037% |  |
| 74 | 6.700 | 6.672 | 6.731 | VV | 2915       | 36708 | 0.32% | 0.073% |  |
| 75 | 6.738 | 6.731 | 6.749 | VV | 236        | 2174  | 0.02% | 0.004% |  |
| 76 | 6.771 | 6.749 | 6.787 | VV | 566        | 7925  | 0.07% | 0.016% |  |
| 77 | 6.819 | 6.787 | 6.842 | VV | 1249       | 22744 | 0.20% | 0.045% |  |
| 78 | 6.861 | 6.842 | 6.887 | VV | 1773       | 21091 | 0.18% | 0.042% |  |
| 79 | 6.925 | 6.887 | 6.951 | VV | 1999       | 38427 | 0.33% | 0.077% |  |
| 80 | 6.964 | 6.951 | 6.986 | VV | 1048       | 11568 | 0.10% | 0.023% |  |
| 81 | 7.005 | 6.986 | 7.037 | PV | 1948       | 27772 | 0.24% | 0.055% |  |
| 82 | 7.058 | 7.037 | 7.086 | VV | 1186       | 18360 | 0.16% | 0.037% |  |
| 83 | 7.103 | 7.086 | 7.117 | VV | 795        | 8725  | 0.08% | 0.017% |  |
| 84 | 7.134 | 7.117 | 7.146 | VV | 529        | 7208  | 0.06% | 0.014% |  |
| 85 | 7.150 | 7.146 | 7.167 | VV | 505        | 4720  | 0.04% | 0.009% |  |
| 86 | 7.202 | 7.167 | 7.212 | VV | 3352       | 39149 | 0.34% | 0.078% |  |
| 87 | 7.227 | 7.212 | 7.248 | VV | 6950       | 75165 | 0.65% | 0.150% |  |
| 88 | 7.261 | 7.248 | 7.286 | VV | 882        | 16968 | 0.15% | 0.034% |  |
| 89 | 7.292 | 7.286 | 7.332 | VV | 850        | 13953 | 0.12% | 0.028% |  |

|     |       |       |       |    |            |        |       |        |
|-----|-------|-------|-------|----|------------|--------|-------|--------|
|     |       |       |       |    | rteres.txt |        |       |        |
| 90  | 7.345 | 7.332 | 7.357 | VV | 323        | 2566   | 0.02% | 0.005% |
| 91  | 7.395 | 7.357 | 7.432 | VV | 2313       | 44056  | 0.38% | 0.088% |
| 92  | 7.448 | 7.432 | 7.472 | VV | 1077       | 12507  | 0.11% | 0.025% |
| 93  | 7.490 | 7.472 | 7.504 | PV | 662        | 7656   | 0.07% | 0.015% |
| 94  | 7.531 | 7.504 | 7.575 | VV | 41961      | 462055 | 4.00% | 0.922% |
| 95  | 7.591 | 7.575 | 7.629 | VV | 1934       | 42167  | 0.37% | 0.084% |
| 96  | 7.648 | 7.629 | 7.669 | VV | 1893       | 32336  | 0.28% | 0.065% |
| 97  | 7.683 | 7.669 | 7.717 | VV | 1524       | 32574  | 0.28% | 0.065% |
| 98  | 7.743 | 7.717 | 7.764 | VV | 1644       | 25802  | 0.22% | 0.052% |
| 99  | 7.790 | 7.764 | 7.806 | VV | 2042       | 28940  | 0.25% | 0.058% |
| 100 | 7.822 | 7.806 | 7.833 | VV | 2386       | 26221  | 0.23% | 0.052% |
| 101 | 7.846 | 7.833 | 7.871 | VV | 2905       | 33054  | 0.29% | 0.066% |
| 102 | 7.914 | 7.871 | 7.947 | VV | 3059       | 60843  | 0.53% | 0.121% |
| 103 | 7.966 | 7.947 | 7.981 | VV | 1003       | 17647  | 0.15% | 0.035% |
| 104 | 8.029 | 7.981 | 8.057 | VV | 4828       | 135989 | 1.18% | 0.271% |
| 105 | 8.094 | 8.057 | 8.117 | VV | 9952       | 149683 | 1.30% | 0.299% |
| 106 | 8.150 | 8.117 | 8.174 | VV | 2007       | 54317  | 0.47% | 0.108% |
| 107 | 8.189 | 8.174 | 8.221 | VV | 2185       | 38499  | 0.33% | 0.077% |
| 108 | 8.247 | 8.221 | 8.261 | VV | 1787       | 29163  | 0.25% | 0.058% |
| 109 | 8.275 | 8.261 | 8.289 | VV | 1600       | 20569  | 0.18% | 0.041% |
| 110 | 8.307 | 8.289 | 8.354 | VV | 2530       | 42867  | 0.37% | 0.086% |
| 111 | 8.390 | 8.354 | 8.432 | VV | 23943      | 312124 | 2.70% | 0.623% |
| 112 | 8.446 | 8.432 | 8.469 | VV | 2193       | 42506  | 0.37% | 0.085% |
| 113 | 8.486 | 8.469 | 8.526 | VV | 6628       | 112158 | 0.97% | 0.224% |
| 114 | 8.538 | 8.526 | 8.562 | VV | 2605       | 41388  | 0.36% | 0.083% |
| 115 | 8.583 | 8.562 | 8.596 | VV | 2026       | 31861  | 0.28% | 0.064% |
| 116 | 8.627 | 8.596 | 8.657 | VV | 4888       | 82890  | 0.72% | 0.165% |
| 117 | 8.679 | 8.657 | 8.710 | VV | 2285       | 40314  | 0.35% | 0.080% |
| 118 | 8.728 | 8.710 | 8.740 | VV | 1959       | 26580  | 0.23% | 0.053% |
| 119 | 8.760 | 8.740 | 8.787 | VV | 4105       | 71299  | 0.62% | 0.142% |
| 120 | 8.804 | 8.787 | 8.826 | VV | 2039       | 38766  | 0.34% | 0.077% |
| 121 | 8.849 | 8.826 | 8.864 | VV | 1733       | 35056  | 0.30% | 0.070% |
| 122 | 8.911 | 8.864 | 8.974 | VV | 13242      | 222461 | 1.93% | 0.444% |
| 123 | 8.997 | 8.974 | 9.018 | VV | 1809       | 28868  | 0.25% | 0.058% |
| 124 | 9.050 | 9.018 | 9.069 | VV | 2308       | 38864  | 0.34% | 0.078% |
| 125 | 9.085 | 9.069 | 9.120 | VV | 1721       | 40190  | 0.35% | 0.080% |
| 126 | 9.134 | 9.120 | 9.154 | VV | 1465       | 22905  | 0.20% | 0.046% |
| 127 | 9.188 | 9.154 | 9.222 | VV | 2375       | 51796  | 0.45% | 0.103% |
| 128 | 9.268 | 9.222 | 9.314 | VV | 8347       | 170245 | 1.48% | 0.340% |
| 129 | 9.346 | 9.314 | 9.359 | VV | 3020       | 57234  | 0.50% | 0.114% |
| 130 | 9.370 | 9.359 | 9.395 | VV | 2825       | 43913  | 0.38% | 0.088% |
| 131 | 9.416 | 9.395 | 9.435 | VV | 4106       | 57378  | 0.50% | 0.115% |
| 132 | 9.470 | 9.435 | 9.496 | VV | 3050       | 70201  | 0.61% | 0.140% |
| 133 | 9.508 | 9.496 | 9.522 | VV | 1049       | 12904  | 0.11% | 0.026% |
| 134 | 9.541 | 9.522 | 9.557 | VV | 954        | 15850  | 0.14% | 0.032% |
| 135 | 9.591 | 9.557 | 9.607 | VV | 2687       | 47616  | 0.41% | 0.095% |
| 136 | 9.637 | 9.607 | 9.662 | VV | 2508       | 67592  | 0.59% | 0.135% |
| 137 | 9.686 | 9.662 | 9.733 | VV | 16985      | 229999 | 1.99% | 0.459% |
| 138 | 9.754 | 9.733 | 9.829 | VV | 1339       | 43470  | 0.38% | 0.087% |
| 139 | 9.852 | 9.829 | 9.884 | VV | 1182       | 20458  | 0.18% | 0.041% |
| 140 | 9.921 | 9.884 | 9.939 | VV | 468        | 9299   | 0.08% | 0.019% |
| 141 | 9.957 | 9.939 | 9.979 | VV | 603        | 8550   | 0.07% | 0.017% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 142        | 10.034 | 9.979  | 10.045 | VV | 1669   | 34530   | 0.30%  | 0.069% |
| 143        | 10.073 | 10.045 | 10.099 | VV | 5923   | 99957   | 0.87%  | 0.200% |
| 144        | 10.122 | 10.099 | 10.137 | VV | 2836   | 49337   | 0.43%  | 0.098% |
| 145        | 10.147 | 10.137 | 10.174 | VV | 2903   | 57278   | 0.50%  | 0.114% |
|            |        |        |        |    |        |         |        |        |
| 146        | 10.183 | 10.174 | 10.201 | VV | 2236   | 27858   | 0.24%  | 0.056% |
| 147        | 10.217 | 10.201 | 10.239 | VV | 2484   | 33781   | 0.29%  | 0.067% |
| 148        | 10.262 | 10.239 | 10.296 | VV | 2240   | 42161   | 0.37%  | 0.084% |
| 149        | 10.317 | 10.296 | 10.346 | VV | 2492   | 44184   | 0.38%  | 0.088% |
| 150        | 10.358 | 10.346 | 10.386 | VV | 1380   | 27968   | 0.24%  | 0.056% |
|            |        |        |        |    |        |         |        |        |
| 151        | 10.423 | 10.386 | 10.447 | VV | 14945  | 218032  | 1.89%  | 0.435% |
| 152        | 10.468 | 10.447 | 10.479 | VV | 5096   | 74743   | 0.65%  | 0.149% |
| 153        | 10.493 | 10.479 | 10.521 | VV | 6364   | 99964   | 0.87%  | 0.200% |
| 154        | 10.529 | 10.521 | 10.550 | VV | 1697   | 23426   | 0.20%  | 0.047% |
| 155        | 10.562 | 10.550 | 10.582 | VV | 1434   | 16499   | 0.14%  | 0.033% |
|            |        |        |        |    |        |         |        |        |
| 156        | 10.660 | 10.582 | 10.712 | VV | 68789  | 823648  | 7.14%  | 1.644% |
| 157        | 10.735 | 10.712 | 10.786 | VV | 16127  | 243409  | 2.11%  | 0.486% |
| 158        | 10.810 | 10.786 | 10.855 | VV | 3330   | 81847   | 0.71%  | 0.163% |
| 159        | 10.876 | 10.855 | 10.895 | VV | 1887   | 29289   | 0.25%  | 0.058% |
| 160        | 10.926 | 10.895 | 10.942 | VV | 1507   | 33179   | 0.29%  | 0.066% |
|            |        |        |        |    |        |         |        |        |
| 161        | 10.964 | 10.942 | 10.992 | VV | 2418   | 43844   | 0.38%  | 0.088% |
| 162        | 11.089 | 10.992 | 11.101 | VV | 1776   | 57452   | 0.50%  | 0.115% |
| 163        | 11.122 | 11.101 | 11.149 | VV | 12957  | 162534  | 1.41%  | 0.324% |
| 164        | 11.211 | 11.149 | 11.242 | VV | 4767   | 114715  | 0.99%  | 0.229% |
| 165        | 11.261 | 11.242 | 11.286 | VV | 1044   | 17820   | 0.15%  | 0.036% |
|            |        |        |        |    |        |         |        |        |
| 166        | 11.312 | 11.286 | 11.337 | VV | 1266   | 20430   | 0.18%  | 0.041% |
| 167        | 11.352 | 11.337 | 11.376 | VV | 549    | 7974    | 0.07%  | 0.016% |
| 168        | 11.429 | 11.376 | 11.447 | PV | 16947  | 212131  | 1.84%  | 0.423% |
| 169        | 11.461 | 11.447 | 11.475 | VV | 6522   | 76474   | 0.66%  | 0.153% |
| 170        | 11.491 | 11.475 | 11.536 | VV | 7945   | 133750  | 1.16%  | 0.267% |
|            |        |        |        |    |        |         |        |        |
| 171        | 11.573 | 11.536 | 11.592 | VV | 8862   | 155598  | 1.35%  | 0.311% |
| 172        | 11.607 | 11.592 | 11.622 | VV | 4932   | 62604   | 0.54%  | 0.125% |
| 173        | 11.638 | 11.622 | 11.659 | VV | 5675   | 73774   | 0.64%  | 0.147% |
| 174        | 11.676 | 11.659 | 11.697 | VV | 2459   | 37316   | 0.32%  | 0.074% |
| 175        | 11.708 | 11.697 | 11.736 | VV | 1021   | 20698   | 0.18%  | 0.041% |
|            |        |        |        |    |        |         |        |        |
| 176        | 11.789 | 11.736 | 11.810 | VV | 10919  | 173759  | 1.51%  | 0.347% |
| 177        | 11.842 | 11.810 | 11.911 | VV | 210192 | 2401250 | 20.81% | 4.793% |
| 178        | 11.932 | 11.911 | 11.961 | VV | 3604   | 52134   | 0.45%  | 0.104% |
| 179        | 11.980 | 11.961 | 12.019 | VV | 1702   | 31403   | 0.27%  | 0.063% |
| 180        | 12.077 | 12.019 | 12.116 | VV | 1398   | 44765   | 0.39%  | 0.089% |
|            |        |        |        |    |        |         |        |        |
| 181        | 12.132 | 12.116 | 12.147 | VV | 804    | 11277   | 0.10%  | 0.023% |
| 182        | 12.176 | 12.147 | 12.187 | VV | 1316   | 21591   | 0.19%  | 0.043% |
| 183        | 12.200 | 12.187 | 12.226 | VV | 1609   | 21812   | 0.19%  | 0.044% |
| 184        | 12.250 | 12.226 | 12.291 | PV | 2440   | 45857   | 0.40%  | 0.092% |
| 185        | 12.307 | 12.291 | 12.335 | VV | 2396   | 36786   | 0.32%  | 0.073% |
|            |        |        |        |    |        |         |        |        |
| 186        | 12.356 | 12.335 | 12.376 | VV | 3680   | 47763   | 0.41%  | 0.095% |
| 187        | 12.395 | 12.376 | 12.402 | VV | 1619   | 19658   | 0.17%  | 0.039% |
| 188        | 12.426 | 12.402 | 12.445 | VV | 10626  | 138450  | 1.20%  | 0.276% |
| 189        | 12.470 | 12.445 | 12.519 | VV | 66374  | 846228  | 7.33%  | 1.689% |
| 190        | 12.535 | 12.519 | 12.561 | VV | 670    | 11592   | 0.10%  | 0.023% |
|            |        |        |        |    |        |         |        |        |
| 191        | 12.569 | 12.561 | 12.589 | VV | 707    | 6458    | 0.06%  | 0.013% |
| 192        | 12.600 | 12.589 | 12.616 | VV | 392    | 3179    | 0.03%  | 0.006% |
| 193        | 12.654 | 12.616 | 12.672 | PV | 2291   | 39238   | 0.34%  | 0.078% |
| 194        | 12.685 | 12.672 | 12.737 | VV | 1537   | 39688   | 0.34%  | 0.079% |

| rteres.txt |        |        |        |    |        |          |         |         |
|------------|--------|--------|--------|----|--------|----------|---------|---------|
| 195        | 12.765 | 12.737 | 12.804 | VV | 53133  | 643373   | 5.58%   | 1.284%  |
| 196        | 12.862 | 12.804 | 12.893 | VV | 820145 | 11540004 | 100.00% | 23.035% |
| 197        | 12.916 | 12.893 | 12.937 | VV | 449248 | 5434929  | 47.10%  | 10.849% |
| 198        | 12.945 | 12.937 | 12.996 | VV | 37973  | 453999   | 3.93%   | 0.906%  |
| 199        | 13.038 | 12.996 | 13.061 | VV | 9510   | 138711   | 1.20%   | 0.277%  |
| 200        | 13.092 | 13.061 | 13.149 | VV | 92022  | 1133917  | 9.83%   | 2.263%  |
| 201        | 13.166 | 13.149 | 13.203 | VV | 1728   | 30729    | 0.27%   | 0.061%  |
| 202        | 13.228 | 13.203 | 13.295 | VV | 2999   | 65509    | 0.57%   | 0.131%  |
| 203        | 13.358 | 13.295 | 13.411 | PV | 6250   | 132713   | 1.15%   | 0.265%  |
| 204        | 13.465 | 13.411 | 13.480 | VV | 4027   | 83262    | 0.72%   | 0.166%  |
| 205        | 13.498 | 13.480 | 13.526 | VV | 4474   | 74816    | 0.65%   | 0.149%  |
| 206        | 13.545 | 13.526 | 13.579 | VV | 1942   | 31072    | 0.27%   | 0.062%  |
| 207        | 13.623 | 13.579 | 13.652 | PV | 7119   | 125401   | 1.09%   | 0.250%  |
| 208        | 13.672 | 13.652 | 13.706 | VV | 2760   | 40848    | 0.35%   | 0.082%  |
| 209        | 13.736 | 13.706 | 13.769 | VV | 1584   | 32501    | 0.28%   | 0.065%  |
| 210        | 13.828 | 13.769 | 13.837 | VV | 1385   | 27406    | 0.24%   | 0.055%  |
| 211        | 13.844 | 13.837 | 13.852 | VV | 1395   | 11137    | 0.10%   | 0.022%  |
| 212        | 13.878 | 13.852 | 13.938 | VV | 4490   | 103463   | 0.90%   | 0.207%  |
| 213        | 13.970 | 13.938 | 13.980 | VV | 1441   | 24424    | 0.21%   | 0.049%  |
| 214        | 14.016 | 13.980 | 14.039 | VV | 3639   | 90998    | 0.79%   | 0.182%  |
| 215        | 14.096 | 14.039 | 14.149 | VV | 8028   | 275500   | 2.39%   | 0.550%  |
| 216        | 14.181 | 14.149 | 14.211 | VV | 10262  | 194771   | 1.69%   | 0.389%  |
| 217        | 14.236 | 14.211 | 14.277 | VV | 13641  | 274453   | 2.38%   | 0.548%  |
| 218        | 14.294 | 14.277 | 14.309 | VV | 5935   | 82606    | 0.72%   | 0.165%  |
| 219        | 14.328 | 14.309 | 14.365 | VV | 6254   | 151019   | 1.31%   | 0.301%  |
| 220        | 14.393 | 14.365 | 14.439 | VV | 5074   | 115508   | 1.00%   | 0.231%  |
| 221        | 14.453 | 14.439 | 14.494 | VV | 1420   | 35989    | 0.31%   | 0.072%  |
| 222        | 14.506 | 14.494 | 14.541 | VV | 1218   | 22306    | 0.19%   | 0.045%  |
| 223        | 14.556 | 14.541 | 14.576 | VV | 1324   | 14976    | 0.13%   | 0.030%  |
| 224        | 14.593 | 14.576 | 14.607 | VV | 572    | 7663     | 0.07%   | 0.015%  |
| 225        | 14.638 | 14.607 | 14.658 | VV | 20884  | 273778   | 2.37%   | 0.546%  |
| 226        | 14.677 | 14.658 | 14.697 | VV | 19915  | 278783   | 2.42%   | 0.556%  |
| 227        | 14.710 | 14.697 | 14.751 | VV | 8430   | 143458   | 1.24%   | 0.286%  |
| 228        | 14.798 | 14.751 | 14.821 | PV | 4171   | 66339    | 0.57%   | 0.132%  |
| 229        | 14.839 | 14.821 | 14.856 | VV | 447    | 7127     | 0.06%   | 0.014%  |
| 230        | 14.876 | 14.856 | 14.900 | PV | 1265   | 17453    | 0.15%   | 0.035%  |
| 231        | 14.949 | 14.900 | 14.957 | VV | 1278   | 21949    | 0.19%   | 0.044%  |
| 232        | 14.973 | 14.957 | 14.991 | VV | 1134   | 18863    | 0.16%   | 0.038%  |
| 233        | 14.999 | 14.991 | 15.007 | VV | 836    | 7979     | 0.07%   | 0.016%  |
| 234        | 15.022 | 15.007 | 15.047 | VV | 911    | 12992    | 0.11%   | 0.026%  |
| 235        | 15.085 | 15.047 | 15.110 | PV | 1101   | 24080    | 0.21%   | 0.048%  |
| 236        | 15.131 | 15.110 | 15.180 | VV | 865    | 19669    | 0.17%   | 0.039%  |
| 237        | 15.238 | 15.180 | 15.257 | PV | 2146   | 35739    | 0.31%   | 0.071%  |
| 238        | 15.299 | 15.257 | 15.332 | VV | 9182   | 164660   | 1.43%   | 0.329%  |
| 239        | 15.348 | 15.332 | 15.382 | VV | 1971   | 33782    | 0.29%   | 0.067%  |
| 240        | 15.392 | 15.382 | 15.406 | VV | 752    | 7655     | 0.07%   | 0.015%  |
| 241        | 15.472 | 15.406 | 15.524 | VV | 2125   | 79912    | 0.69%   | 0.160%  |
| 242        | 15.557 | 15.524 | 15.572 | VV | 1027   | 20763    | 0.18%   | 0.041%  |
| 243        | 15.591 | 15.572 | 15.616 | VV | 872    | 13878    | 0.12%   | 0.028%  |
| 244        | 15.633 | 15.616 | 15.656 | VV | 1272   | 18309    | 0.16%   | 0.037%  |
| 245        | 15.672 | 15.656 | 15.687 | VV | 530    | 7900     | 0.07%   | 0.016%  |
| 246        | 15.737 | 15.687 | 15.769 | VV | 2926   | 55204    | 0.48%   | 0.110%  |

|     |        |        |        |    |            |        |       |        |  |
|-----|--------|--------|--------|----|------------|--------|-------|--------|--|
|     |        |        |        |    | rteres.txt |        |       |        |  |
| 247 | 15.798 | 15.769 | 15.829 | VV | 1050       | 14703  | 0.13% | 0.029% |  |
| 248 | 15.842 | 15.829 | 15.851 | VV | 314        | 2655   | 0.02% | 0.005% |  |
| 249 | 15.915 | 15.851 | 15.931 | PV | 1543       | 34569  | 0.30% | 0.069% |  |
| 250 | 15.949 | 15.931 | 15.957 | VV | 1172       | 15288  | 0.13% | 0.031% |  |
| 251 | 16.121 | 15.957 | 16.146 | VV | 2015       | 139433 | 1.21% | 0.278% |  |
| 252 | 16.188 | 16.146 | 16.206 | VV | 20001      | 305360 | 2.65% | 0.610% |  |
| 253 | 16.216 | 16.206 | 16.257 | VV | 10824      | 172046 | 1.49% | 0.343% |  |
| 254 | 16.280 | 16.257 | 16.297 | VV | 3831       | 65148  | 0.56% | 0.130% |  |
| 255 | 16.318 | 16.297 | 16.342 | VV | 4764       | 85299  | 0.74% | 0.170% |  |
| 256 | 16.360 | 16.342 | 16.392 | VV | 2033       | 47819  | 0.41% | 0.095% |  |
| 257 | 16.415 | 16.392 | 16.423 | VV | 967        | 16106  | 0.14% | 0.032% |  |
| 258 | 16.439 | 16.423 | 16.450 | VV | 926        | 10613  | 0.09% | 0.021% |  |
| 259 | 16.508 | 16.450 | 16.539 | VV | 11199      | 187241 | 1.62% | 0.374% |  |
| 260 | 16.565 | 16.539 | 16.617 | VV | 19821      | 290835 | 2.52% | 0.581% |  |
| 261 | 16.672 | 16.617 | 16.705 | PV | 4064       | 87436  | 0.76% | 0.175% |  |
| 262 | 16.735 | 16.705 | 16.753 | VV | 1587       | 37330  | 0.32% | 0.075% |  |
| 263 | 16.769 | 16.753 | 16.784 | VV | 1299       | 17611  | 0.15% | 0.035% |  |
| 264 | 16.823 | 16.784 | 16.833 | VV | 738        | 20352  | 0.18% | 0.041% |  |
| 265 | 16.875 | 16.833 | 16.882 | VV | 1320       | 24053  | 0.21% | 0.048% |  |
| 266 | 16.935 | 16.882 | 16.950 | VV | 2330       | 70260  | 0.61% | 0.140% |  |
| 267 | 16.979 | 16.950 | 17.009 | VV | 1991       | 53866  | 0.47% | 0.108% |  |
| 268 | 17.031 | 17.009 | 17.041 | VV | 1902       | 26529  | 0.23% | 0.053% |  |
| 269 | 17.079 | 17.041 | 17.107 | VV | 2931       | 81120  | 0.70% | 0.162% |  |
| 270 | 17.133 | 17.107 | 17.169 | VV | 4695       | 95105  | 0.82% | 0.190% |  |
| 271 | 17.190 | 17.169 | 17.201 | VV | 1620       | 26455  | 0.23% | 0.053% |  |
| 272 | 17.222 | 17.201 | 17.236 | VV | 2685       | 42812  | 0.37% | 0.085% |  |
| 273 | 17.244 | 17.236 | 17.252 | VV | 1562       | 15356  | 0.13% | 0.031% |  |
| 274 | 17.292 | 17.252 | 17.312 | VV | 1903       | 52607  | 0.46% | 0.105% |  |
| 275 | 17.357 | 17.312 | 17.392 | VV | 1680       | 49085  | 0.43% | 0.098% |  |
| 276 | 17.458 | 17.392 | 17.472 | VV | 2077       | 47161  | 0.41% | 0.094% |  |
| 277 | 17.482 | 17.472 | 17.492 | VV | 1447       | 14448  | 0.13% | 0.029% |  |
| 278 | 17.525 | 17.492 | 17.537 | VV | 2527       | 52023  | 0.45% | 0.104% |  |
| 279 | 17.565 | 17.537 | 17.608 | VV | 6322       | 143271 | 1.24% | 0.286% |  |
| 280 | 17.622 | 17.608 | 17.632 | VV | 1966       | 24616  | 0.21% | 0.049% |  |
| 281 | 17.696 | 17.632 | 17.761 | VV | 4765       | 172307 | 1.49% | 0.344% |  |
| 282 | 17.792 | 17.761 | 17.812 | VV | 1274       | 21008  | 0.18% | 0.042% |  |
| 283 | 17.842 | 17.812 | 17.861 | PV | 4072       | 71987  | 0.62% | 0.144% |  |
| 284 | 17.871 | 17.861 | 17.899 | VV | 2871       | 47568  | 0.41% | 0.095% |  |
| 285 | 17.932 | 17.899 | 17.961 | VV | 9803       | 187290 | 1.62% | 0.374% |  |
| 286 | 17.989 | 17.961 | 18.007 | VV | 7906       | 155218 | 1.35% | 0.310% |  |
| 287 | 18.022 | 18.007 | 18.032 | VV | 4966       | 71039  | 0.62% | 0.142% |  |
| 288 | 18.068 | 18.032 | 18.084 | VV | 9608       | 236489 | 2.05% | 0.472% |  |
| 289 | 18.103 | 18.084 | 18.117 | VV | 9216       | 176830 | 1.53% | 0.353% |  |
| 290 | 18.182 | 18.117 | 18.209 | VV | 16764      | 606793 | 5.26% | 1.211% |  |
| 291 | 18.224 | 18.209 | 18.233 | VV | 10837      | 149825 | 1.30% | 0.299% |  |
| 292 | 18.268 | 18.233 | 18.286 | VV | 12756      | 357525 | 3.10% | 0.714% |  |
| 293 | 18.305 | 18.286 | 18.361 | VV | 12384      | 471768 | 4.09% | 0.942% |  |
| 294 | 18.396 | 18.361 | 18.441 | VV | 12035      | 455841 | 3.95% | 0.910% |  |
| 295 | 18.562 | 18.441 | 18.580 | VV | 14280      | 865810 | 7.50% | 1.728% |  |
| 296 | 18.624 | 18.580 | 18.639 | VV | 17521      | 524382 | 4.54% | 1.047% |  |
| 297 | 18.693 | 18.639 | 18.711 | VV | 19285      | 749713 | 6.50% | 1.497% |  |
| 298 | 18.749 | 18.711 | 18.761 | VV | 20378      | 569785 | 4.94% | 1.137% |  |
| 299 | 18.802 | 18.761 | 18.849 | VV | 20813      | 990365 | 8.58% | 1.977% |  |

|     |        |        |        |    |                         |        |          |        |
|-----|--------|--------|--------|----|-------------------------|--------|----------|--------|
|     |        |        |        |    | rteres.txt              |        |          |        |
| 300 | 18.859 | 18.849 | 18.870 | VV | 17353                   | 204835 | 1.78%    | 0.409% |
| 301 | 18.903 | 18.870 | 18.919 | VV | 18967                   | 501930 | 4.35%    | 1.002% |
| 302 | 18.931 | 18.919 | 18.946 | VV | 18663                   | 277442 | 2.40%    | 0.554% |
| 303 | 18.956 | 18.946 | 18.967 | VV | 16370                   | 208355 | 1.81%    | 0.416% |
| 304 | 19.009 | 18.967 | 19.040 | VV | 18439                   | 721252 | 6.25%    | 1.440% |
| 305 | 19.073 | 19.040 | 19.096 | VV | 19303                   | 565168 | 4.90%    | 1.128% |
| 306 | 19.117 | 19.096 | 19.138 | VV | 18065                   | 416263 | 3.61%    | 0.831% |
| 307 | 19.183 | 19.138 | 19.209 | VV | 21408                   | 807907 | 7.00%    | 1.613% |
| 308 | 19.219 | 19.209 | 19.236 | VV | 20533                   | 312374 | 2.71%    | 0.624% |
| 309 | 19.271 | 19.236 | 19.281 | VV | 20440                   | 516614 | 4.48%    | 1.031% |
| 310 | 19.289 | 19.281 | 19.300 | VV | 19273                   | 216113 | 1.87%    | 0.431% |
| 311 | 19.340 | 19.300 | 19.357 | VV | 23743                   | 740517 | 6.42%    | 1.478% |
| 312 | 19.370 | 19.357 | 19.396 | VV | 24972                   | 535554 | 4.64%    | 1.069% |
| 313 | 19.417 | 19.396 | 19.429 | VV | 29258                   | 527741 | 4.57%    | 1.053% |
|     |        |        |        |    | Sum of corrected areas: |        | 50097205 |        |

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