

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC121218AL\  
 Data File : FC038121.D  
 Signal(s) : FID1A.CH  
 Acq On : 11 Dec 2018 14:54  
 Sample : J6319-02DL 20X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 121018.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         | 1.522       | 1.514        | 1.539      | PH       | 3068           | 17989        | 2.42%          | 0.054%        |
| 2         | 1.555       | 1.539        | 1.569      | PV       | 1062           | 6768         | 0.91%          | 0.020%        |
| 3         | 1.598       | 1.569        | 1.624      | VV       | 5943           | 56850        | 7.63%          | 0.170%        |
| 4         | 1.637       | 1.624        | 1.664      | PV       | 6283           | 41843        | 5.62%          | 0.125%        |
| 5         | 1.687       | 1.664        | 1.702      | PV       | 6690           | 54654        | 7.34%          | 0.163%        |
| 6         | 1.713       | 1.702        | 1.730      | VV       | 1750           | 16921        | 2.27%          | 0.051%        |
| 7         | 1.740       | 1.730        | 1.755      | VV       | 1176           | 9157         | 1.23%          | 0.027%        |
| 8         | 1.767       | 1.755        | 1.778      | VV       | 2978           | 20063        | 2.69%          | 0.060%        |
| 9         | 1.793       | 1.778        | 1.826      | VV       | 6793           | 82251        | 11.04%         | 0.245%        |
| 10        | 1.852       | 1.826        | 1.873      | PV       | 10074          | 130914       | 17.58%         | 0.391%        |
| 11        | 1.907       | 1.873        | 1.942      | VV       | 35465          | 425351       | 57.10%         | 1.270%        |
| 12        | 1.956       | 1.942        | 1.981      | VV       | 7864           | 77386        | 10.39%         | 0.231%        |
| 13        | 2.000       | 1.981        | 2.010      | VV       | 7153           | 56573        | 7.60%          | 0.169%        |
| 14        | 2.028       | 2.010        | 2.053      | VV       | 7575           | 99264        | 13.33%         | 0.296%        |
| 15        | 2.070       | 2.053        | 2.091      | VV       | 18983          | 141654       | 19.02%         | 0.423%        |
| 16        | 2.105       | 2.091        | 2.115      | VV       | 3045           | 23040        | 3.09%          | 0.069%        |
| 17        | 2.133       | 2.115        | 2.157      | VV       | 17725          | 151545       | 20.35%         | 0.452%        |
| 18        | 2.179       | 2.157        | 2.211      | PV       | 5579           | 76163        | 10.23%         | 0.227%        |
| 19        | 2.224       | 2.211        | 2.236      | VV       | 1164           | 11448        | 1.54%          | 0.034%        |
| 20        | 2.250       | 2.236        | 2.265      | VV       | 2207           | 18283        | 2.45%          | 0.055%        |
| 21        | 2.307       | 2.265        | 2.320      | VV       | 4804           | 76268        | 10.24%         | 0.228%        |
| 22        | 2.346       | 2.320        | 2.373      | VV       | 11847          | 140362       | 18.84%         | 0.419%        |
| 23        | 2.391       | 2.373        | 2.400      | VV       | 21429          | 165109       | 22.17%         | 0.493%        |
| 24        | 2.411       | 2.400        | 2.425      | VV       | 26584          | 214102       | 28.74%         | 0.639%        |
| 25        | 2.440       | 2.425        | 2.455      | VV       | 32505          | 262696       | 35.27%         | 0.784%        |
| 26        | 2.472       | 2.455        | 2.539      | VV       | 21280          | 354500       | 47.59%         | 1.058%        |
| 27        | 2.586       | 2.539        | 2.616      | VV       | 19933          | 298192       | 40.03%         | 0.890%        |
| 28        | 2.626       | 2.616        | 2.642      | VV       | 2784           | 30576        | 4.10%          | 0.091%        |
| 29        | 2.672       | 2.642        | 2.685      | VV       | 21082          | 222401       | 29.86%         | 0.664%        |
| 30        | 2.695       | 2.685        | 2.709      | VV       | 9763           | 97004        | 13.02%         | 0.290%        |
| 31        | 2.722       | 2.709        | 2.737      | VV       | 7709           | 85365        | 11.46%         | 0.255%        |
| 32        | 2.757       | 2.737        | 2.795      | VV       | 27000          | 435668       | 58.49%         | 1.300%        |
| 33        | 2.831       | 2.795        | 2.860      | VV       | 39430          | 515818       | 69.25%         | 1.540%        |
| 34        | 2.870       | 2.860        | 2.917      | VV       | 7160           | 143304       | 19.24%         | 0.428%        |
| 35        | 2.941       | 2.917        | 2.956      | VV       | 34036          | 425781       | 57.16%         | 1.271%        |
| 36        | 2.965       | 2.956        | 2.987      | VV       | 18154          | 200017       | 26.85%         | 0.597%        |

| rteres.txt |       |       |       |    |       |        |         |        |
|------------|-------|-------|-------|----|-------|--------|---------|--------|
| 37         | 3.012 | 2.987 | 3.038 | VV | 7261  | 113513 | 15.24%  | 0.339% |
| 38         | 3.058 | 3.038 | 3.074 | VV | 5856  | 64961  | 8.72%   | 0.194% |
| 39         | 3.110 | 3.074 | 3.119 | VV | 7586  | 139753 | 18.76%  | 0.417% |
| 40         | 3.133 | 3.119 | 3.150 | VV | 24756 | 245530 | 32.96%  | 0.733% |
| 41         | 3.164 | 3.150 | 3.195 | VV | 7152  | 105775 | 14.20%  | 0.316% |
| 42         | 3.236 | 3.195 | 3.250 | VV | 20250 | 249486 | 33.49%  | 0.745% |
| 43         | 3.261 | 3.250 | 3.277 | VV | 12857 | 124401 | 16.70%  | 0.371% |
| 44         | 3.295 | 3.277 | 3.306 | VV | 10473 | 129747 | 17.42%  | 0.387% |
| 45         | 3.320 | 3.306 | 3.341 | VV | 14986 | 187392 | 25.16%  | 0.559% |
| 46         | 3.351 | 3.341 | 3.360 | VV | 6054  | 54308  | 7.29%   | 0.162% |
| 47         | 3.377 | 3.360 | 3.413 | VV | 34739 | 478969 | 64.30%  | 1.430% |
| 48         | 3.443 | 3.413 | 3.460 | VV | 13567 | 235142 | 31.57%  | 0.702% |
| 49         | 3.488 | 3.460 | 3.532 | VV | 45600 | 744863 | 100.00% | 2.223% |
| 50         | 3.558 | 3.532 | 3.587 | VV | 23631 | 440397 | 59.12%  | 1.314% |
| 51         | 3.601 | 3.587 | 3.630 | VV | 9423  | 181653 | 24.39%  | 0.542% |
| 52         | 3.645 | 3.630 | 3.666 | VV | 18088 | 189679 | 25.46%  | 0.566% |
| 53         | 3.697 | 3.666 | 3.736 | VV | 18681 | 420749 | 56.49%  | 1.256% |
| 54         | 3.779 | 3.736 | 3.793 | VV | 30459 | 468949 | 62.96%  | 1.400% |
| 55         | 3.808 | 3.793 | 3.825 | VV | 33322 | 384322 | 51.60%  | 1.147% |
| 56         | 3.839 | 3.825 | 3.857 | VV | 13222 | 206605 | 27.74%  | 0.617% |
| 57         | 3.873 | 3.857 | 3.895 | VV | 30466 | 361700 | 48.56%  | 1.080% |
| 58         | 3.905 | 3.895 | 3.914 | VV | 4975  | 52655  | 7.07%   | 0.157% |
| 59         | 3.931 | 3.914 | 3.940 | VV | 9273  | 109069 | 14.64%  | 0.326% |
| 60         | 3.953 | 3.940 | 3.964 | VV | 14743 | 155096 | 20.82%  | 0.463% |
| 61         | 3.979 | 3.964 | 4.004 | VV | 19718 | 308049 | 41.36%  | 0.919% |
| 62         | 4.011 | 4.004 | 4.025 | VV | 11083 | 122510 | 16.45%  | 0.366% |
| 63         | 4.034 | 4.025 | 4.055 | VV | 8250  | 95088  | 12.77%  | 0.284% |
| 64         | 4.084 | 4.055 | 4.108 | VV | 12482 | 244785 | 32.86%  | 0.731% |
| 65         | 4.126 | 4.108 | 4.168 | VV | 15503 | 387651 | 52.04%  | 1.157% |
| 66         | 4.178 | 4.168 | 4.197 | VV | 8441  | 121995 | 16.38%  | 0.364% |
| 67         | 4.205 | 4.197 | 4.221 | VV | 6699  | 81583  | 10.95%  | 0.244% |
| 68         | 4.241 | 4.221 | 4.264 | VV | 17495 | 232254 | 31.18%  | 0.693% |
| 69         | 4.289 | 4.264 | 4.299 | VV | 5447  | 104279 | 14.00%  | 0.311% |
| 70         | 4.333 | 4.299 | 4.351 | VV | 12642 | 300151 | 40.30%  | 0.896% |
| 71         | 4.364 | 4.351 | 4.380 | VV | 13120 | 193666 | 26.00%  | 0.578% |
| 72         | 4.399 | 4.380 | 4.411 | VV | 12824 | 198772 | 26.69%  | 0.593% |
| 73         | 4.427 | 4.411 | 4.440 | VV | 33786 | 348350 | 46.77%  | 1.040% |
| 74         | 4.450 | 4.440 | 4.465 | VV | 18104 | 195455 | 26.24%  | 0.583% |
| 75         | 4.481 | 4.465 | 4.509 | VV | 13893 | 308684 | 41.44%  | 0.921% |
| 76         | 4.523 | 4.509 | 4.557 | VV | 20162 | 368098 | 49.42%  | 1.099% |
| 77         | 4.586 | 4.557 | 4.611 | VV | 22112 | 441916 | 59.33%  | 1.319% |
| 78         | 4.632 | 4.611 | 4.665 | VV | 23846 | 377215 | 50.64%  | 1.126% |
| 79         | 4.692 | 4.665 | 4.709 | VV | 9031  | 188544 | 25.31%  | 0.563% |
| 80         | 4.723 | 4.709 | 4.760 | VV | 9858  | 221494 | 29.74%  | 0.661% |
| 81         | 4.781 | 4.760 | 4.795 | VV | 20343 | 263412 | 35.36%  | 0.786% |
| 82         | 4.810 | 4.795 | 4.830 | VV | 22829 | 282562 | 37.93%  | 0.843% |
| 83         | 4.852 | 4.830 | 4.867 | VV | 38194 | 470083 | 63.11%  | 1.403% |
| 84         | 4.881 | 4.867 | 4.898 | VV | 41884 | 480527 | 64.51%  | 1.434% |
| 85         | 4.910 | 4.898 | 4.947 | VV | 21901 | 351007 | 47.12%  | 1.048% |
| 86         | 4.964 | 4.947 | 4.982 | VV | 6815  | 124050 | 16.65%  | 0.370% |
| 87         | 5.000 | 4.982 | 5.012 | VV | 10502 | 152566 | 20.48%  | 0.455% |
| 88         | 5.022 | 5.012 | 5.035 | VV | 9354  | 116939 | 15.70%  | 0.349% |
| 89         | 5.062 | 5.035 | 5.075 | VV | 12943 | 236796 | 31.79%  | 0.707% |

| rteres.txt |       |       |       |    |       |        |        |        |
|------------|-------|-------|-------|----|-------|--------|--------|--------|
| 90         | 5.089 | 5.075 | 5.106 | VV | 14058 | 202379 | 27.17% | 0.604% |
| 91         | 5.131 | 5.106 | 5.164 | VV | 9154  | 268329 | 36.02% | 0.801% |
| 92         | 5.173 | 5.164 | 5.182 | VV | 6405  | 63644  | 8.54%  | 0.190% |
| 93         | 5.201 | 5.182 | 5.235 | VV | 30866 | 503032 | 67.53% | 1.501% |
| 94         | 5.244 | 5.235 | 5.255 | VV | 6741  | 72864  | 9.78%  | 0.217% |
| 95         | 5.275 | 5.255 | 5.305 | VV | 8525  | 196699 | 26.41% | 0.587% |
| 96         | 5.323 | 5.305 | 5.335 | VV | 6603  | 98237  | 13.19% | 0.293% |
| 97         | 5.386 | 5.335 | 5.405 | VV | 22256 | 551883 | 74.09% | 1.647% |
| 98         | 5.414 | 5.405 | 5.431 | VV | 16123 | 190654 | 25.60% | 0.569% |
| 99         | 5.446 | 5.431 | 5.461 | VV | 11099 | 163482 | 21.95% | 0.488% |
| 100        | 5.482 | 5.461 | 5.517 | VV | 21315 | 495540 | 66.53% | 1.479% |
| 101        | 5.530 | 5.517 | 5.577 | VV | 11593 | 308435 | 41.41% | 0.921% |
| 102        | 5.589 | 5.577 | 5.600 | VV | 8119  | 100018 | 13.43% | 0.299% |
| 103        | 5.611 | 5.600 | 5.637 | VV | 8750  | 135970 | 18.25% | 0.406% |
| 104        | 5.657 | 5.637 | 5.682 | VV | 14027 | 212594 | 28.54% | 0.635% |
| 105        | 5.706 | 5.682 | 5.725 | VV | 14999 | 254267 | 34.14% | 0.759% |
| 106        | 5.774 | 5.725 | 5.814 | VV | 18427 | 568951 | 76.38% | 1.698% |
| 107        | 5.838 | 5.814 | 5.853 | VV | 16423 | 266652 | 35.80% | 0.796% |
| 108        | 5.871 | 5.853 | 5.892 | VV | 31102 | 464803 | 62.40% | 1.387% |
| 109        | 5.908 | 5.892 | 5.940 | VV | 16082 | 350320 | 47.03% | 1.046% |
| 110        | 5.955 | 5.940 | 5.972 | VV | 22454 | 266545 | 35.78% | 0.796% |
| 111        | 5.997 | 5.972 | 6.043 | VV | 17888 | 418365 | 56.17% | 1.249% |
| 112        | 6.057 | 6.043 | 6.075 | VV | 7127  | 125565 | 16.86% | 0.375% |
| 113        | 6.097 | 6.075 | 6.154 | VV | 13316 | 360545 | 48.40% | 1.076% |
| 114        | 6.172 | 6.154 | 6.181 | VV | 6086  | 89039  | 11.95% | 0.266% |
| 115        | 6.197 | 6.181 | 6.223 | VV | 6876  | 143170 | 19.22% | 0.427% |
| 116        | 6.248 | 6.223 | 6.270 | VV | 7371  | 179023 | 24.03% | 0.534% |
| 117        | 6.289 | 6.270 | 6.307 | VV | 12208 | 200659 | 26.94% | 0.599% |
| 118        | 6.326 | 6.307 | 6.346 | VV | 17299 | 255226 | 34.26% | 0.762% |
| 119        | 6.369 | 6.346 | 6.386 | VV | 11531 | 202700 | 27.21% | 0.605% |
| 120        | 6.398 | 6.386 | 6.430 | VV | 8181  | 177169 | 23.79% | 0.529% |
| 121        | 6.448 | 6.430 | 6.471 | VV | 18079 | 241408 | 32.41% | 0.721% |
| 122        | 6.487 | 6.471 | 6.512 | VV | 8019  | 147959 | 19.86% | 0.442% |
| 123        | 6.525 | 6.512 | 6.536 | VV | 5587  | 74523  | 10.00% | 0.222% |
| 124        | 6.564 | 6.536 | 6.594 | VV | 12000 | 257811 | 34.61% | 0.769% |
| 125        | 6.603 | 6.594 | 6.629 | VV | 5999  | 106234 | 14.26% | 0.317% |
| 126        | 6.646 | 6.629 | 6.662 | VV | 5490  | 92498  | 12.42% | 0.276% |
| 127        | 6.687 | 6.662 | 6.709 | VV | 10080 | 202241 | 27.15% | 0.604% |
| 128        | 6.729 | 6.709 | 6.760 | VV | 12573 | 237985 | 31.95% | 0.710% |
| 129        | 6.779 | 6.760 | 6.820 | VV | 9575  | 207329 | 27.83% | 0.619% |
| 130        | 6.835 | 6.820 | 6.853 | VV | 7238  | 96520  | 12.96% | 0.288% |
| 131        | 6.875 | 6.853 | 6.907 | VV | 10831 | 200457 | 26.91% | 0.598% |
| 132        | 6.929 | 6.907 | 6.954 | VV | 7257  | 139715 | 18.76% | 0.417% |
| 133        | 6.971 | 6.954 | 6.984 | VV | 3413  | 53757  | 7.22%  | 0.160% |
| 134        | 6.993 | 6.984 | 7.008 | VV | 3090  | 41550  | 5.58%  | 0.124% |
| 135        | 7.021 | 7.008 | 7.040 | VV | 2962  | 51843  | 6.96%  | 0.155% |
| 136        | 7.086 | 7.040 | 7.114 | VV | 3714  | 118464 | 15.90% | 0.354% |
| 137        | 7.144 | 7.114 | 7.159 | VV | 3215  | 67447  | 9.05%  | 0.201% |
| 138        | 7.174 | 7.159 | 7.206 | VV | 3140  | 68554  | 9.20%  | 0.205% |
| 139        | 7.220 | 7.206 | 7.244 | VV | 1926  | 38581  | 5.18%  | 0.115% |
| 140        | 7.264 | 7.244 | 7.294 | VV | 3499  | 66041  | 8.87%  | 0.197% |
| 141        | 7.313 | 7.294 | 7.344 | VV | 2198  | 47095  | 6.32%  | 0.141% |

| rteres.txt |        |        |        |    |       |        |        |        |
|------------|--------|--------|--------|----|-------|--------|--------|--------|
| 142        | 7.353  | 7.344  | 7.377  | VV | 1352  | 24189  | 3.25%  | 0.072% |
| 143        | 7.401  | 7.377  | 7.483  | VV | 16672 | 327515 | 43.97% | 0.978% |
| 144        | 7.513  | 7.483  | 7.538  | VV | 2663  | 77269  | 10.37% | 0.231% |
| 145        | 7.549  | 7.538  | 7.605  | VV | 1770  | 54993  | 7.38%  | 0.164% |
| 146        | 7.615  | 7.605  | 7.633  | VV | 1238  | 17214  | 2.31%  | 0.051% |
| 147        | 7.659  | 7.633  | 7.699  | VV | 1409  | 37191  | 4.99%  | 0.111% |
| 148        | 7.713  | 7.699  | 7.762  | VV | 1223  | 30237  | 4.06%  | 0.090% |
| 149        | 7.782  | 7.762  | 7.809  | VV | 1667  | 27909  | 3.75%  | 0.083% |
| 150        | 7.822  | 7.809  | 7.842  | VV | 791   | 12948  | 1.74%  | 0.039% |
| 151        | 7.868  | 7.842  | 7.943  | VV | 1679  | 56771  | 7.62%  | 0.169% |
| 152        | 7.958  | 7.943  | 8.013  | VV | 815   | 24671  | 3.31%  | 0.074% |
| 153        | 8.031  | 8.013  | 8.085  | VV | 666   | 21948  | 2.95%  | 0.066% |
| 154        | 8.102  | 8.085  | 8.181  | VV | 747   | 18164  | 2.44%  | 0.054% |
| 155        | 8.195  | 8.181  | 8.237  | VV | 203   | 3774   | 0.51%  | 0.011% |
| 156        | 8.271  | 8.237  | 8.439  | PV | 3679  | 161054 | 21.62% | 0.481% |
| 157        | 8.454  | 8.439  | 8.480  | VV | 521   | 11564  | 1.55%  | 0.035% |
| 158        | 8.493  | 8.480  | 8.539  | VV | 738   | 14548  | 1.95%  | 0.043% |
| 159        | 8.565  | 8.539  | 8.574  | VV | 313   | 4688   | 0.63%  | 0.014% |
| 160        | 8.599  | 8.574  | 8.613  | VV | 315   | 5577   | 0.75%  | 0.017% |
| 161        | 8.630  | 8.613  | 8.651  | VV | 340   | 6005   | 0.81%  | 0.018% |
| 162        | 8.692  | 8.651  | 8.752  | VV | 1493  | 35595  | 4.78%  | 0.106% |
| 163        | 8.772  | 8.752  | 8.817  | VV | 609   | 14477  | 1.94%  | 0.043% |
| 164        | 8.821  | 8.817  | 8.857  | VV | 269   | 4724   | 0.63%  | 0.014% |
| 165        | 8.862  | 8.857  | 8.888  | VV | 260   | 2967   | 0.40%  | 0.009% |
| 166        | 8.919  | 8.888  | 8.926  | VV | 311   | 5289   | 0.71%  | 0.016% |
| 167        | 8.969  | 8.926  | 9.027  | VV | 2104  | 47043  | 6.32%  | 0.140% |
| 168        | 9.036  | 9.027  | 9.049  | VV | 284   | 3233   | 0.43%  | 0.010% |
| 169        | 9.058  | 9.049  | 9.078  | VV | 254   | 3620   | 0.49%  | 0.011% |
| 170        | 9.085  | 9.078  | 9.125  | VV | 153   | 3395   | 0.46%  | 0.010% |
| 171        | 9.146  | 9.125  | 9.187  | PV | 275   | 6821   | 0.92%  | 0.020% |
| 172        | 9.197  | 9.187  | 9.206  | VV | 276   | 2289   | 0.31%  | 0.007% |
| 173        | 9.215  | 9.206  | 9.265  | VV | 302   | 6745   | 0.91%  | 0.020% |
| 174        | 9.281  | 9.265  | 9.294  | VV | 334   | 3261   | 0.44%  | 0.010% |
| 175        | 9.312  | 9.294  | 9.367  | VV | 290   | 8724   | 1.17%  | 0.026% |
| 176        | 9.379  | 9.367  | 9.399  | VV | 202   | 2582   | 0.35%  | 0.008% |
| 177        | 9.435  | 9.399  | 9.447  | VV | 221   | 4671   | 0.63%  | 0.014% |
| 178        | 9.494  | 9.447  | 9.533  | VV | 993   | 34944  | 4.69%  | 0.104% |
| 179        | 9.548  | 9.533  | 9.689  | VV | 644   | 26203  | 3.52%  | 0.078% |
| 180        | 9.722  | 9.689  | 9.737  | VV | 263   | 4512   | 0.61%  | 0.013% |
| 181        | 9.762  | 9.737  | 9.795  | VV | 215   | 5260   | 0.71%  | 0.016% |
| 182        | 9.804  | 9.795  | 9.832  | VV | 129   | 2217   | 0.30%  | 0.007% |
| 183        | 9.834  | 9.832  | 9.872  | VV | 213   | 2364   | 0.32%  | 0.007% |
| 184        | 9.935  | 9.872  | 9.969  | PV | 390   | 11462  | 1.54%  | 0.034% |
| 185        | 9.986  | 9.969  | 10.027 | VV | 327   | 7865   | 1.06%  | 0.023% |
| 186        | 10.029 | 10.027 | 10.045 | VV | 235   | 2002   | 0.27%  | 0.006% |
| 187        | 10.077 | 10.045 | 10.102 | VV | 345   | 6749   | 0.91%  | 0.020% |
| 188        | 10.137 | 10.102 | 10.162 | VV | 347   | 8115   | 1.09%  | 0.024% |
| 189        | 10.171 | 10.162 | 10.184 | VV | 280   | 2746   | 0.37%  | 0.008% |
| 190        | 10.212 | 10.184 | 10.229 | VV | 1106  | 17978  | 2.41%  | 0.054% |
| 191        | 10.268 | 10.229 | 10.333 | VV | 1437  | 45313  | 6.08%  | 0.135% |
| 192        | 10.359 | 10.333 | 10.426 | VV | 892   | 27066  | 3.63%  | 0.081% |
| 193        | 10.436 | 10.426 | 10.494 | VV | 490   | 10993  | 1.48%  | 0.033% |
| 194        | 10.500 | 10.494 | 10.539 | VV | 269   | 5840   | 0.78%  | 0.017% |

|     |        |        |        |    |            |        |        |        |  |
|-----|--------|--------|--------|----|------------|--------|--------|--------|--|
|     |        |        |        |    | rteres.txt |        |        |        |  |
| 195 | 10.550 | 10.539 | 10.570 | VV | 330        | 4680   | 0.63%  | 0.014% |  |
| 196 | 10.575 | 10.570 | 10.592 | VV | 300        | 3150   | 0.42%  | 0.009% |  |
| 197 | 10.610 | 10.592 | 10.636 | VV | 365        | 6143   | 0.82%  | 0.018% |  |
| 198 | 10.677 | 10.636 | 10.720 | VV | 484        | 16000  | 2.15%  | 0.048% |  |
| 199 | 10.732 | 10.720 | 10.741 | VV | 288        | 2800   | 0.38%  | 0.008% |  |
| 200 | 10.751 | 10.741 | 10.774 | VV | 265        | 4333   | 0.58%  | 0.013% |  |
| 201 | 10.786 | 10.774 | 10.809 | VV | 236        | 4079   | 0.55%  | 0.012% |  |
| 202 | 10.819 | 10.809 | 10.829 | VV | 301        | 2911   | 0.39%  | 0.009% |  |
| 203 | 10.838 | 10.829 | 10.890 | VV | 284        | 8585   | 1.15%  | 0.026% |  |
| 204 | 10.915 | 10.890 | 10.939 | VV | 347        | 7755   | 1.04%  | 0.023% |  |
| 205 | 10.965 | 10.939 | 11.045 | VV | 1570       | 45741  | 6.14%  | 0.137% |  |
| 206 | 11.074 | 11.045 | 11.122 | VV | 811        | 20230  | 2.72%  | 0.060% |  |
| 207 | 11.136 | 11.122 | 11.185 | VV | 308        | 8710   | 1.17%  | 0.026% |  |
| 208 | 11.190 | 11.185 | 11.218 | VV | 363        | 4714   | 0.63%  | 0.014% |  |
| 209 | 11.227 | 11.218 | 11.242 | VV | 248        | 3354   | 0.45%  | 0.010% |  |
| 210 | 11.281 | 11.242 | 11.358 | VV | 20975      | 256168 | 34.39% | 0.765% |  |
| 211 | 11.394 | 11.358 | 11.427 | VV | 800        | 21779  | 2.92%  | 0.065% |  |
| 212 | 11.453 | 11.427 | 11.474 | VV | 507        | 11688  | 1.57%  | 0.035% |  |
| 213 | 11.481 | 11.474 | 11.512 | VV | 387        | 7275   | 0.98%  | 0.022% |  |
| 214 | 11.547 | 11.512 | 11.579 | VV | 596        | 16238  | 2.18%  | 0.048% |  |
| 215 | 11.641 | 11.579 | 11.699 | VV | 984        | 38326  | 5.15%  | 0.114% |  |
| 216 | 11.758 | 11.699 | 11.779 | VV | 630        | 22025  | 2.96%  | 0.066% |  |
| 217 | 11.787 | 11.779 | 11.814 | VV | 481        | 8824   | 1.18%  | 0.026% |  |
| 218 | 11.849 | 11.814 | 11.873 | VV | 522        | 15162  | 2.04%  | 0.045% |  |
| 219 | 11.889 | 11.873 | 11.908 | VV | 495        | 8395   | 1.13%  | 0.025% |  |
| 220 | 11.937 | 11.908 | 11.984 | VV | 1126       | 39029  | 5.24%  | 0.116% |  |
| 221 | 11.992 | 11.984 | 12.019 | VV | 839        | 15078  | 2.02%  | 0.045% |  |
| 222 | 12.029 | 12.019 | 12.077 | VV | 767        | 20949  | 2.81%  | 0.063% |  |
| 223 | 12.083 | 12.077 | 12.096 | VV | 555        | 5945   | 0.80%  | 0.018% |  |
| 224 | 12.115 | 12.096 | 12.134 | VV | 699        | 12522  | 1.68%  | 0.037% |  |
| 225 | 12.150 | 12.134 | 12.177 | VV | 651        | 13597  | 1.83%  | 0.041% |  |
| 226 | 12.195 | 12.177 | 12.207 | VV | 656        | 9725   | 1.31%  | 0.029% |  |
| 227 | 12.222 | 12.207 | 12.260 | VV | 634        | 16162  | 2.17%  | 0.048% |  |
| 228 | 12.287 | 12.260 | 12.318 | VV | 1052       | 22854  | 3.07%  | 0.068% |  |
| 229 | 12.352 | 12.318 | 12.387 | VV | 875        | 27999  | 3.76%  | 0.084% |  |
| 230 | 12.410 | 12.387 | 12.472 | VV | 1031       | 30178  | 4.05%  | 0.090% |  |
| 231 | 12.486 | 12.472 | 12.525 | VV | 427        | 11566  | 1.55%  | 0.035% |  |
| 232 | 12.540 | 12.525 | 12.587 | VV | 421        | 14451  | 1.94%  | 0.043% |  |
| 233 | 12.652 | 12.587 | 12.697 | VV | 2538       | 61505  | 8.26%  | 0.184% |  |
| 234 | 12.726 | 12.697 | 12.895 | VV | 11990      | 249125 | 33.45% | 0.744% |  |
| 235 | 12.905 | 12.895 | 12.921 | VV | 545        | 7349   | 0.99%  | 0.022% |  |
| 236 | 12.960 | 12.921 | 13.009 | VV | 588        | 23707  | 3.18%  | 0.071% |  |
| 237 | 13.051 | 13.009 | 13.085 | VV | 430        | 15570  | 2.09%  | 0.046% |  |
| 238 | 13.095 | 13.085 | 13.146 | VV | 487        | 15031  | 2.02%  | 0.045% |  |
| 239 | 13.167 | 13.146 | 13.257 | VV | 798        | 39319  | 5.28%  | 0.117% |  |
| 240 | 13.305 | 13.257 | 13.332 | VV | 1827       | 45408  | 6.10%  | 0.136% |  |
| 241 | 13.344 | 13.332 | 13.421 | VV | 1065       | 37440  | 5.03%  | 0.112% |  |
| 242 | 13.440 | 13.421 | 13.461 | VV | 727        | 14201  | 1.91%  | 0.042% |  |
| 243 | 13.480 | 13.461 | 13.541 | VV | 783        | 26225  | 3.52%  | 0.078% |  |
| 244 | 13.550 | 13.541 | 13.573 | VV | 528        | 7140   | 0.96%  | 0.021% |  |
| 245 | 13.585 | 13.573 | 13.649 | VV | 430        | 15967  | 2.14%  | 0.048% |  |
| 246 | 13.742 | 13.649 | 13.792 | VV | 511        | 33722  | 4.53%  | 0.101% |  |

|     |        |        |        |    |            |       |       |        |  |
|-----|--------|--------|--------|----|------------|-------|-------|--------|--|
|     |        |        |        |    | rteres.txt |       |       |        |  |
| 247 | 13.891 | 13.792 | 13.935 | VV | 921        | 47067 | 6.32% | 0.140% |  |
| 248 | 13.943 | 13.935 | 14.022 | VV | 572        | 21709 | 2.91% | 0.065% |  |
| 249 | 14.041 | 14.022 | 14.132 | VV | 653        | 27230 | 3.66% | 0.081% |  |
| 250 | 14.139 | 14.132 | 14.149 | VV | 382        | 3249  | 0.44% | 0.010% |  |
| 251 | 14.159 | 14.149 | 14.177 | VV | 443        | 5540  | 0.74% | 0.017% |  |
| 252 | 14.199 | 14.177 | 14.259 | VV | 791        | 23174 | 3.11% | 0.069% |  |
| 253 | 14.274 | 14.259 | 14.287 | VV | 418        | 5333  | 0.72% | 0.016% |  |
| 254 | 14.314 | 14.287 | 14.324 | VV | 293        | 6103  | 0.82% | 0.018% |  |
| 255 | 14.342 | 14.324 | 14.367 | VV | 368        | 5958  | 0.80% | 0.018% |  |
| 256 | 14.375 | 14.367 | 14.388 | VV | 327        | 2693  | 0.36% | 0.008% |  |
| 257 | 14.419 | 14.388 | 14.495 | VV | 1576       | 35316 | 4.74% | 0.105% |  |
| 258 | 14.500 | 14.495 | 14.518 | VV | 298        | 3056  | 0.41% | 0.009% |  |
| 259 | 14.576 | 14.518 | 14.614 | VV | 949        | 30333 | 4.07% | 0.091% |  |
| 260 | 14.623 | 14.614 | 14.646 | VV | 500        | 7484  | 1.00% | 0.022% |  |
| 261 | 14.655 | 14.646 | 14.669 | VV | 304        | 4197  | 0.56% | 0.013% |  |
| 262 | 14.675 | 14.669 | 14.700 | VV | 383        | 5584  | 0.75% | 0.017% |  |
| 263 | 14.707 | 14.700 | 14.739 | VV | 351        | 5627  | 0.76% | 0.017% |  |
| 264 | 14.769 | 14.739 | 14.785 | VV | 281        | 4697  | 0.63% | 0.014% |  |
| 265 | 14.813 | 14.785 | 14.855 | VV | 275        | 5980  | 0.80% | 0.018% |  |
| 266 | 14.868 | 14.855 | 14.895 | VV | 227        | 4160  | 0.56% | 0.012% |  |
| 267 | 14.902 | 14.895 | 14.939 | VV | 188        | 2576  | 0.35% | 0.008% |  |
| 268 | 14.989 | 14.939 | 15.032 | PV | 718        | 17277 | 2.32% | 0.052% |  |
| 269 | 15.040 | 15.032 | 15.069 | VV | 286        | 3925  | 0.53% | 0.012% |  |
| 270 | 15.097 | 15.069 | 15.167 | VV | 924        | 19362 | 2.60% | 0.058% |  |
| 271 | 15.189 | 15.167 | 15.214 | VV | 207        | 3717  | 0.50% | 0.011% |  |
| 272 | 15.230 | 15.214 | 15.250 | VV | 209        | 2795  | 0.38% | 0.008% |  |
| 273 | 15.276 | 15.250 | 15.303 | VV | 201        | 3745  | 0.50% | 0.011% |  |
| 274 | 15.379 | 15.303 | 15.442 | VV | 241        | 12435 | 1.67% | 0.037% |  |
| 275 | 15.463 | 15.442 | 15.504 | VV | 234        | 5847  | 0.78% | 0.017% |  |
| 276 | 15.512 | 15.504 | 15.532 | VV | 180        | 2247  | 0.30% | 0.007% |  |
| 277 | 15.545 | 15.532 | 15.560 | VV | 183        | 1895  | 0.25% | 0.006% |  |
| 278 | 15.594 | 15.560 | 15.663 | VV | 1115       | 24243 | 3.25% | 0.072% |  |
| 279 | 15.673 | 15.663 | 15.697 | VV | 200        | 3036  | 0.41% | 0.009% |  |
| 280 | 15.735 | 15.697 | 15.775 | VV | 700        | 15358 | 2.06% | 0.046% |  |
| 281 | 15.791 | 15.775 | 15.819 | VV | 201        | 2984  | 0.40% | 0.009% |  |
| 282 | 15.899 | 15.838 | 15.928 | PV | 232        | 6227  | 0.84% | 0.019% |  |
| 283 | 15.952 | 15.928 | 16.013 | VV | 157        | 4117  | 0.55% | 0.012% |  |
| 284 | 16.077 | 16.034 | 16.180 | VV | 1359       | 36130 | 4.85% | 0.108% |  |
| 285 | 16.204 | 16.180 | 16.271 | VV | 201        | 7230  | 0.97% | 0.022% |  |
| 286 | 16.317 | 16.271 | 16.350 | VV | 156        | 2474  | 0.33% | 0.007% |  |
| 287 | 16.393 | 16.350 | 16.404 | VV | 311        | 6062  | 0.81% | 0.018% |  |
| 288 | 16.434 | 16.404 | 16.459 | VV | 812        | 16332 | 2.19% | 0.049% |  |
| 289 | 16.467 | 16.459 | 16.511 | VV | 306        | 7392  | 0.99% | 0.022% |  |
| 290 | 16.538 | 16.511 | 16.586 | VV | 1697       | 30189 | 4.05% | 0.090% |  |
| 291 | 16.595 | 16.586 | 16.671 | VV | 138        | 3039  | 0.41% | 0.009% |  |
| 292 | 16.741 | 16.671 | 16.783 | VV | 197        | 4481  | 0.60% | 0.013% |  |
| 293 | 16.834 | 16.783 | 16.852 | PV | 262        | 6327  | 0.85% | 0.019% |  |
| 294 | 16.873 | 16.852 | 16.896 | VV | 174        | 3182  | 0.43% | 0.009% |  |
| 295 | 16.988 | 16.896 | 17.016 | VV | 2091       | 33973 | 4.56% | 0.101% |  |
| 296 | 17.033 | 17.016 | 17.053 | VV | 232        | 3321  | 0.45% | 0.010% |  |
| 297 | 17.089 | 17.053 | 17.145 | VV | 868        | 17243 | 2.31% | 0.051% |  |
| 298 | 17.193 | 17.145 | 17.225 | VV | 103        | 2616  | 0.35% | 0.008% |  |
| 299 | 17.266 | 17.237 | 17.335 | VV | 265        | 5239  | 0.70% | 0.016% |  |

|     |        |        |        |    |                         |        |          |        |
|-----|--------|--------|--------|----|-------------------------|--------|----------|--------|
|     |        |        |        |    | rteres.txt              |        |          |        |
| 300 | 17.420 | 17.335 | 17.471 | PV | 2214                    | 35889  | 4.82%    | 0.107% |
| 301 | 17.518 | 17.471 | 17.538 | VV | 211                     | 4191   | 0.56%    | 0.013% |
| 302 | 17.565 | 17.538 | 17.578 | PV | 222                     | 2359   | 0.32%    | 0.007% |
| 303 | 17.702 | 17.615 | 17.777 | PV | 1117                    | 28069  | 3.77%    | 0.084% |
| 304 | 17.841 | 17.777 | 17.908 | PV | 2694                    | 49140  | 6.60%    | 0.147% |
| 305 | 18.100 | 17.908 | 18.131 | VV | 493                     | 31789  | 4.27%    | 0.095% |
| 306 | 18.148 | 18.131 | 18.182 | VV | 279                     | 5815   | 0.78%    | 0.017% |
| 307 | 18.250 | 18.182 | 18.325 | PV | 2759                    | 66164  | 8.88%    | 0.197% |
| 308 | 18.355 | 18.325 | 18.364 | VV | 215                     | 2999   | 0.40%    | 0.009% |
| 309 | 18.545 | 18.364 | 18.558 | VV | 233                     | 18723  | 2.51%    | 0.056% |
| 310 | 18.646 | 18.558 | 18.688 | VV | 2203                    | 43695  | 5.87%    | 0.130% |
| 311 | 18.698 | 18.688 | 18.704 | VV | 275                     | 2410   | 0.32%    | 0.007% |
| 312 | 18.744 | 18.704 | 18.755 | VV | 336                     | 7916   | 1.06%    | 0.024% |
| 313 | 18.819 | 18.755 | 18.857 | VV | 1442                    | 38569  | 5.18%    | 0.115% |
| 314 | 18.937 | 18.857 | 18.960 | VV | 654                     | 31971  | 4.29%    | 0.095% |
| 315 | 19.031 | 18.960 | 19.098 | VV | 2451                    | 101222 | 13.59%   | 0.302% |
| 316 | 19.102 | 19.098 | 19.151 | VV | 1284                    | 36307  | 4.87%    | 0.108% |
| 317 | 19.172 | 19.151 | 19.197 | VV | 1280                    | 31639  | 4.25%    | 0.094% |
| 318 | 19.219 | 19.197 | 19.228 | VV | 1124                    | 19659  | 2.64%    | 0.059% |
| 319 | 19.332 | 19.228 | 19.372 | VV | 2812                    | 140358 | 18.84%   | 0.419% |
| 320 | 19.404 | 19.372 | 19.440 | VV | 2490                    | 78254  | 10.51%   | 0.234% |
| 321 | 19.479 | 19.440 | 19.491 | VV | 1678                    | 50067  | 6.72%    | 0.149% |
| 322 | 19.770 | 19.491 | 19.788 | VV | 3933                    | 440006 | 59.07%   | 1.313% |
| 323 | 19.819 | 19.788 | 19.858 | VV | 5114                    | 175581 | 23.57%   | 0.524% |
|     |        |        |        |    | Sum of corrected areas: |        | 33503667 |        |

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