

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102418AL\  
 Data File : FC037085.D  
 Signal(s) : FID1A.CH  
 Acq On : 25 Oct 2018 5:10  
 Sample : J5198-25  
 Misc :  
 ALS Vial : 25 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         | 3.229       | 3.223        | 3.271      | PV       | 143            | 1248         | 0.03%          | 0.001%        |
| 2         | 3.292       | 3.271        | 3.305      | VV       | 78             | 1184         | 0.03%          | 0.001%        |
| 3         | 3.318       | 3.305        | 3.345      | VV       | 104            | 1437         | 0.04%          | 0.001%        |
| 4         | 3.379       | 3.345        | 3.425      | VV       | 153            | 3954         | 0.11%          | 0.003%        |
| 5         | 3.437       | 3.425        | 3.446      | PV       | 208            | 1679         | 0.05%          | 0.001%        |
| 6         | 3.470       | 3.446        | 3.520      | VV       | 2477           | 25419        | 0.70%          | 0.021%        |
| 7         | 3.551       | 3.520        | 3.578      | VV       | 306            | 6292         | 0.17%          | 0.005%        |
| 8         | 3.598       | 3.578        | 3.651      | VV       | 336            | 8715         | 0.24%          | 0.007%        |
| 9         | 3.664       | 3.651        | 3.693      | VV       | 343            | 5070         | 0.14%          | 0.004%        |
| 10        | 3.707       | 3.693        | 3.731      | VV       | 221            | 2959         | 0.08%          | 0.002%        |
| 11        | 3.748       | 3.731        | 3.805      | VV       | 326            | 7200         | 0.20%          | 0.006%        |
| 12        | 3.842       | 3.805        | 3.921      | VV       | 12473          | 173198       | 4.75%          | 0.144%        |
| 13        | 3.933       | 3.921        | 3.961      | VV       | 802            | 13722        | 0.38%          | 0.011%        |
| 14        | 3.982       | 3.961        | 4.028      | VV       | 925            | 26096        | 0.72%          | 0.022%        |
| 15        | 4.042       | 4.028        | 4.126      | VV       | 659            | 21111        | 0.58%          | 0.018%        |
| 16        | 4.147       | 4.126        | 4.173      | VV       | 358            | 6617         | 0.18%          | 0.006%        |
| 17        | 4.188       | 4.173        | 4.205      | VV       | 292            | 3692         | 0.10%          | 0.003%        |
| 18        | 4.239       | 4.205        | 4.261      | VV       | 829            | 10825        | 0.30%          | 0.009%        |
| 19        | 4.277       | 4.261        | 4.287      | VV       | 294            | 2658         | 0.07%          | 0.002%        |
| 20        | 4.308       | 4.287        | 4.328      | VV       | 322            | 5509         | 0.15%          | 0.005%        |
| 21        | 4.346       | 4.328        | 4.367      | VV       | 209            | 4020         | 0.11%          | 0.003%        |
| 22        | 4.390       | 4.367        | 4.418      | VV       | 830            | 11321        | 0.31%          | 0.009%        |
| 23        | 4.445       | 4.418        | 4.475      | VV       | 945            | 19422        | 0.53%          | 0.016%        |
| 24        | 4.492       | 4.475        | 4.505      | VV       | 448            | 5830         | 0.16%          | 0.005%        |
| 25        | 4.515       | 4.505        | 4.581      | VV       | 303            | 8776         | 0.24%          | 0.007%        |
| 26        | 4.610       | 4.581        | 4.628      | VV       | 309            | 5391         | 0.15%          | 0.004%        |
| 27        | 4.639       | 4.628        | 4.667      | VV       | 324            | 5686         | 0.16%          | 0.005%        |
| 28        | 4.700       | 4.667        | 4.746      | VV       | 452            | 9765         | 0.27%          | 0.008%        |
| 29        | 4.760       | 4.746        | 4.781      | VV       | 138            | 2223         | 0.06%          | 0.002%        |
| 30        | 4.794       | 4.781        | 4.808      | VV       | 208            | 2170         | 0.06%          | 0.002%        |
| 31        | 4.836       | 4.808        | 4.852      | PV       | 372            | 5746         | 0.16%          | 0.005%        |
| 32        | 4.870       | 4.852        | 4.901      | VV       | 550            | 9128         | 0.25%          | 0.008%        |
| 33        | 4.920       | 4.901        | 4.937      | VV       | 480            | 6266         | 0.17%          | 0.005%        |
| 34        | 4.948       | 4.937        | 4.964      | VV       | 452            | 4750         | 0.13%          | 0.004%        |
| 35        | 4.977       | 4.964        | 5.015      | VV       | 457            | 6006         | 0.16%          | 0.005%        |
| 36        | 5.037       | 5.015        | 5.055      | VV       | 291            | 4406         | 0.12%          | 0.004%        |

| rteres.txt |       |       |       |    |      |        |       |        |
|------------|-------|-------|-------|----|------|--------|-------|--------|
| 37         | 5.067 | 5.055 | 5.080 | VV | 345  | 3497   | 0.10% | 0.003% |
| 38         | 5.095 | 5.080 | 5.142 | VV | 469  | 10894  | 0.30% | 0.009% |
| 39         | 5.157 | 5.142 | 5.200 | VV | 360  | 7797   | 0.21% | 0.006% |
| 40         | 5.218 | 5.200 | 5.252 | VV | 424  | 5837   | 0.16% | 0.005% |
|            |       |       |       |    |      |        |       |        |
| 41         | 5.274 | 5.252 | 5.361 | PV | 1128 | 28752  | 0.79% | 0.024% |
| 42         | 5.386 | 5.361 | 5.422 | VV | 217  | 4640   | 0.13% | 0.004% |
| 43         | 5.446 | 5.422 | 5.488 | VV | 752  | 10703  | 0.29% | 0.009% |
| 44         | 5.566 | 5.488 | 5.588 | VV | 728  | 21523  | 0.59% | 0.018% |
| 45         | 5.597 | 5.588 | 5.654 | VV | 413  | 10721  | 0.29% | 0.009% |
|            |       |       |       |    |      |        |       |        |
| 46         | 5.676 | 5.654 | 5.708 | VV | 234  | 3283   | 0.09% | 0.003% |
| 47         | 5.722 | 5.708 | 5.741 | VV | 339  | 3598   | 0.10% | 0.003% |
| 48         | 5.774 | 5.741 | 5.789 | VV | 358  | 6171   | 0.17% | 0.005% |
| 49         | 5.812 | 5.789 | 5.851 | VV | 3584 | 49741  | 1.37% | 0.041% |
| 50         | 5.859 | 5.851 | 5.888 | VV | 537  | 7830   | 0.21% | 0.007% |
|            |       |       |       |    |      |        |       |        |
| 51         | 5.907 | 5.888 | 5.927 | VV | 509  | 7430   | 0.20% | 0.006% |
| 52         | 5.975 | 5.927 | 6.014 | VV | 888  | 24961  | 0.69% | 0.021% |
| 53         | 6.048 | 6.014 | 6.064 | VV | 371  | 7449   | 0.20% | 0.006% |
| 54         | 6.098 | 6.064 | 6.110 | VV | 417  | 6977   | 0.19% | 0.006% |
| 55         | 6.152 | 6.110 | 6.158 | VV | 320  | 7550   | 0.21% | 0.006% |
|            |       |       |       |    |      |        |       |        |
| 56         | 6.171 | 6.158 | 6.181 | VV | 339  | 4262   | 0.12% | 0.004% |
| 57         | 6.196 | 6.181 | 6.235 | VV | 464  | 8867   | 0.24% | 0.007% |
| 58         | 6.249 | 6.235 | 6.307 | VV | 878  | 13462  | 0.37% | 0.011% |
| 59         | 6.329 | 6.307 | 6.347 | PV | 273  | 2920   | 0.08% | 0.002% |
| 60         | 6.376 | 6.347 | 6.383 | VV | 552  | 6840   | 0.19% | 0.006% |
|            |       |       |       |    |      |        |       |        |
| 61         | 6.396 | 6.383 | 6.411 | VV | 737  | 9160   | 0.25% | 0.008% |
| 62         | 6.428 | 6.411 | 6.455 | VV | 604  | 8923   | 0.24% | 0.007% |
| 63         | 6.468 | 6.455 | 6.478 | VV | 146  | 1242   | 0.03% | 0.001% |
| 64         | 6.521 | 6.478 | 6.538 | PV | 306  | 6265   | 0.17% | 0.005% |
| 65         | 6.564 | 6.538 | 6.595 | VV | 415  | 7821   | 0.21% | 0.007% |
|            |       |       |       |    |      |        |       |        |
| 66         | 6.606 | 6.595 | 6.615 | VV | 271  | 2584   | 0.07% | 0.002% |
| 67         | 6.639 | 6.615 | 6.658 | VV | 567  | 8320   | 0.23% | 0.007% |
| 68         | 6.693 | 6.658 | 6.718 | VV | 296  | 7172   | 0.20% | 0.006% |
| 69         | 6.764 | 6.718 | 6.785 | VV | 714  | 15515  | 0.43% | 0.013% |
| 70         | 6.801 | 6.785 | 6.831 | VV | 720  | 12463  | 0.34% | 0.010% |
|            |       |       |       |    |      |        |       |        |
| 71         | 6.861 | 6.831 | 6.923 | VV | 4682 | 71615  | 1.97% | 0.060% |
| 72         | 6.949 | 6.923 | 6.975 | VV | 1243 | 22508  | 0.62% | 0.019% |
| 73         | 6.992 | 6.975 | 7.022 | VV | 6136 | 66446  | 1.82% | 0.055% |
| 74         | 7.041 | 7.022 | 7.087 | VV | 712  | 16338  | 0.45% | 0.014% |
| 75         | 7.167 | 7.087 | 7.194 | VV | 1413 | 31689  | 0.87% | 0.026% |
|            |       |       |       |    |      |        |       |        |
| 76         | 7.215 | 7.194 | 7.269 | VV | 376  | 11351  | 0.31% | 0.009% |
| 77         | 7.292 | 7.269 | 7.318 | VV | 274  | 5497   | 0.15% | 0.005% |
| 78         | 7.335 | 7.318 | 7.365 | VV | 773  | 13264  | 0.36% | 0.011% |
| 79         | 7.384 | 7.365 | 7.402 | VV | 282  | 4026   | 0.11% | 0.003% |
| 80         | 7.583 | 7.550 | 7.665 | VV | 3294 | 123988 | 3.40% | 0.103% |
|            |       |       |       |    |      |        |       |        |
| 81         | 7.683 | 7.665 | 7.701 | VV | 942  | 16206  | 0.44% | 0.013% |
| 82         | 7.733 | 7.701 | 7.749 | VV | 1888 | 37211  | 1.02% | 0.031% |
| 83         | 7.761 | 7.749 | 7.811 | VV | 1838 | 45606  | 1.25% | 0.038% |
| 84         | 7.849 | 7.811 | 7.884 | VV | 3585 | 92360  | 2.54% | 0.077% |
| 85         | 7.902 | 7.884 | 7.916 | VV | 1252 | 19879  | 0.55% | 0.017% |
|            |       |       |       |    |      |        |       |        |
| 86         | 7.948 | 7.916 | 7.964 | VV | 8391 | 106900 | 2.93% | 0.089% |
| 87         | 7.975 | 7.964 | 7.993 | VV | 4943 | 57198  | 1.57% | 0.048% |
| 88         | 8.006 | 7.993 | 8.020 | VV | 2559 | 34739  | 0.95% | 0.029% |
| 89         | 8.032 | 8.020 | 8.058 | VV | 2447 | 34979  | 0.96% | 0.029% |

| rteres.txt |        |        |        |    |       |        |        |        |
|------------|--------|--------|--------|----|-------|--------|--------|--------|
| 90         | 8.089  | 8.058  | 8.110  | VV | 19564 | 234918 | 6.45%  | 0.195% |
| 91         | 8.128  | 8.110  | 8.163  | VV | 15866 | 208931 | 5.73%  | 0.174% |
| 92         | 8.181  | 8.163  | 8.199  | VV | 2843  | 38614  | 1.06%  | 0.032% |
| 93         | 8.218  | 8.199  | 8.258  | VV | 3036  | 49964  | 1.37%  | 0.042% |
| 94         | 8.271  | 8.258  | 8.298  | VV | 888   | 15344  | 0.42%  | 0.013% |
| 95         | 8.421  | 8.399  | 8.455  | VV | 10314 | 152507 | 4.19%  | 0.127% |
| 96         | 8.474  | 8.455  | 8.521  | VV | 3673  | 85962  | 2.36%  | 0.072% |
| 97         | 8.539  | 8.521  | 8.553  | VV | 2513  | 37610  | 1.03%  | 0.031% |
| 98         | 8.567  | 8.553  | 8.597  | VV | 2422  | 42448  | 1.17%  | 0.035% |
| 99         | 8.614  | 8.597  | 8.630  | VV | 2601  | 34551  | 0.95%  | 0.029% |
| 100        | 8.664  | 8.630  | 8.680  | VV | 2988  | 55804  | 1.53%  | 0.046% |
| 101        | 8.698  | 8.680  | 8.722  | VV | 5087  | 74232  | 2.04%  | 0.062% |
| 102        | 8.738  | 8.722  | 8.749  | VV | 1781  | 25105  | 0.69%  | 0.021% |
| 103        | 8.765  | 8.749  | 8.815  | VV | 2317  | 62052  | 1.70%  | 0.052% |
| 104        | 8.833  | 8.815  | 8.857  | VV | 3576  | 65553  | 1.80%  | 0.055% |
| 105        | 8.872  | 8.857  | 8.915  | VV | 4243  | 74223  | 2.04%  | 0.062% |
| 106        | 8.934  | 8.915  | 8.957  | VV | 1636  | 26593  | 0.73%  | 0.022% |
| 107        | 8.986  | 8.957  | 9.003  | VV | 4423  | 58626  | 1.61%  | 0.049% |
| 108        | 9.019  | 9.003  | 9.054  | VV | 3402  | 71281  | 1.96%  | 0.059% |
| 109        | 9.068  | 9.054  | 9.086  | VV | 2522  | 33443  | 0.92%  | 0.028% |
| 110        | 9.121  | 9.086  | 9.145  | VV | 3483  | 66066  | 1.81%  | 0.055% |
| 111        | 9.161  | 9.145  | 9.179  | VV | 1940  | 27876  | 0.77%  | 0.023% |
| 112        | 9.203  | 9.179  | 9.257  | VV | 12454 | 204269 | 5.61%  | 0.170% |
| 113        | 9.281  | 9.257  | 9.299  | VV | 4202  | 55881  | 1.53%  | 0.046% |
| 114        | 9.310  | 9.299  | 9.329  | VV | 1821  | 28651  | 0.79%  | 0.024% |
| 115        | 9.349  | 9.329  | 9.370  | VV | 3575  | 53417  | 1.47%  | 0.044% |
| 116        | 9.385  | 9.370  | 9.394  | VV | 1777  | 21581  | 0.59%  | 0.018% |
| 117        | 9.408  | 9.394  | 9.433  | VV | 2604  | 37484  | 1.03%  | 0.031% |
| 118        | 9.461  | 9.433  | 9.497  | VV | 1864  | 41470  | 1.14%  | 0.035% |
| 119        | 9.525  | 9.497  | 9.554  | VV | 2883  | 56757  | 1.56%  | 0.047% |
| 120        | 9.575  | 9.554  | 9.593  | VV | 1586  | 29145  | 0.80%  | 0.024% |
| 121        | 9.625  | 9.593  | 9.668  | VV | 5368  | 107125 | 2.94%  | 0.089% |
| 122        | 9.682  | 9.668  | 9.703  | VV | 1419  | 21559  | 0.59%  | 0.018% |
| 123        | 9.719  | 9.703  | 9.755  | VV | 998   | 19084  | 0.52%  | 0.016% |
| 124        | 9.786  | 9.755  | 9.837  | VV | 1396  | 27798  | 0.76%  | 0.023% |
| 125        | 9.862  | 9.837  | 9.881  | PV | 358   | 5983   | 0.16%  | 0.005% |
| 126        | 9.897  | 9.881  | 9.911  | VV | 491   | 7231   | 0.20%  | 0.006% |
| 127        | 9.944  | 9.911  | 9.978  | VV | 1751  | 34159  | 0.94%  | 0.028% |
| 128        | 10.011 | 9.978  | 10.028 | VV | 1549  | 31259  | 0.86%  | 0.026% |
| 129        | 10.078 | 10.028 | 10.100 | VV | 5623  | 119812 | 3.29%  | 0.100% |
| 130        | 10.118 | 10.100 | 10.168 | VV | 4269  | 79710  | 2.19%  | 0.066% |
| 131        | 10.195 | 10.168 | 10.228 | VV | 4354  | 83359  | 2.29%  | 0.069% |
| 132        | 10.254 | 10.228 | 10.302 | VV | 3063  | 82113  | 2.25%  | 0.068% |
| 133        | 10.333 | 10.302 | 10.341 | VV | 1884  | 33933  | 0.93%  | 0.028% |
| 134        | 10.362 | 10.341 | 10.380 | VV | 5639  | 78760  | 2.16%  | 0.066% |
| 135        | 10.399 | 10.380 | 10.418 | VV | 5743  | 86310  | 2.37%  | 0.072% |
| 136        | 10.429 | 10.418 | 10.485 | VV | 3279  | 75061  | 2.06%  | 0.062% |
| 137        | 10.497 | 10.485 | 10.513 | VV | 1694  | 18778  | 0.52%  | 0.016% |
| 138        | 10.532 | 10.513 | 10.547 | VV | 1039  | 15857  | 0.44%  | 0.013% |
| 139        | 10.593 | 10.547 | 10.644 | VV | 72691 | 844006 | 23.17% | 0.702% |
| 140        | 10.670 | 10.644 | 10.718 | VV | 18026 | 272507 | 7.48%  | 0.227% |
| 141        | 10.741 | 10.718 | 10.765 | VV | 1900  | 42112  | 1.16%  | 0.035% |

| rteres.txt |        |        |        |    |        |         |         |        |
|------------|--------|--------|--------|----|--------|---------|---------|--------|
| 142        | 10.773 | 10.765 | 10.794 | VV | 971    | 12061   | 0.33%   | 0.010% |
| 143        | 10.809 | 10.794 | 10.828 | VV | 718    | 7236    | 0.20%   | 0.006% |
| 144        | 10.899 | 10.828 | 10.928 | PV | 3209   | 65836   | 1.81%   | 0.055% |
| 145        | 10.951 | 10.928 | 10.971 | VV | 1554   | 31053   | 0.85%   | 0.026% |
| 146        | 10.990 | 10.971 | 11.013 | VV | 2244   | 36291   | 1.00%   | 0.030% |
| 147        | 11.025 | 11.013 | 11.039 | VV | 1029   | 12150   | 0.33%   | 0.010% |
| 148        | 11.061 | 11.039 | 11.095 | VV | 3857   | 70268   | 1.93%   | 0.058% |
| 149        | 11.116 | 11.095 | 11.171 | VV | 5518   | 120063  | 3.30%   | 0.100% |
| 150        | 11.193 | 11.171 | 11.221 | VV | 1939   | 35737   | 0.98%   | 0.030% |
| 151        | 11.245 | 11.221 | 11.268 | VV | 5076   | 66279   | 1.82%   | 0.055% |
| 152        | 11.286 | 11.268 | 11.328 | VV | 1953   | 31399   | 0.86%   | 0.026% |
| 153        | 11.363 | 11.328 | 11.408 | VV | 308871 | 3643105 | 100.00% | 3.031% |
| 154        | 11.424 | 11.408 | 11.466 | VV | 21755  | 295996  | 8.12%   | 0.246% |
| 155        | 11.504 | 11.466 | 11.522 | VV | 16792  | 268377  | 7.37%   | 0.223% |
| 156        | 11.539 | 11.522 | 11.554 | VV | 16436  | 189841  | 5.21%   | 0.158% |
| 157        | 11.571 | 11.554 | 11.630 | VV | 18120  | 240206  | 6.59%   | 0.200% |
| 158        | 11.654 | 11.630 | 11.673 | PV | 895    | 12331   | 0.34%   | 0.010% |
| 159        | 11.696 | 11.673 | 11.704 | VV | 1316   | 17258   | 0.47%   | 0.014% |
| 160        | 11.726 | 11.704 | 11.743 | VV | 4201   | 58196   | 1.60%   | 0.048% |
| 161        | 11.760 | 11.743 | 11.770 | VV | 4097   | 48254   | 1.32%   | 0.040% |
| 162        | 11.784 | 11.770 | 11.841 | VV | 3987   | 76771   | 2.11%   | 0.064% |
| 163        | 11.866 | 11.841 | 11.883 | VV | 6093   | 81289   | 2.23%   | 0.068% |
| 164        | 11.890 | 11.883 | 11.906 | VV | 2860   | 29704   | 0.82%   | 0.025% |
| 165        | 11.925 | 11.906 | 11.971 | VV | 4202   | 62395   | 1.71%   | 0.052% |
| 166        | 12.007 | 11.971 | 12.023 | VV | 2191   | 27366   | 0.75%   | 0.023% |
| 167        | 12.039 | 12.023 | 12.052 | VV | 1904   | 22117   | 0.61%   | 0.018% |
| 168        | 12.068 | 12.052 | 12.099 | VV | 2468   | 48255   | 1.32%   | 0.040% |
| 169        | 12.135 | 12.099 | 12.159 | VV | 4429   | 88036   | 2.42%   | 0.073% |
| 170        | 12.181 | 12.159 | 12.221 | VV | 8207   | 153988  | 4.23%   | 0.128% |
| 171        | 12.243 | 12.221 | 12.265 | PV | 4986   | 82403   | 2.26%   | 0.069% |
| 172        | 12.289 | 12.265 | 12.308 | VV | 22072  | 298012  | 8.18%   | 0.248% |
| 173        | 12.323 | 12.308 | 12.339 | VV | 10164  | 140010  | 3.84%   | 0.116% |
| 174        | 12.354 | 12.339 | 12.378 | VV | 8812   | 160952  | 4.42%   | 0.134% |
| 175        | 12.401 | 12.378 | 12.474 | VV | 111816 | 1349746 | 37.05%  | 1.123% |
| 176        | 12.499 | 12.474 | 12.515 | VV | 2012   | 31590   | 0.87%   | 0.026% |
| 177        | 12.537 | 12.515 | 12.555 | VV | 8899   | 111170  | 3.05%   | 0.092% |
| 178        | 12.587 | 12.555 | 12.605 | VV | 6574   | 128334  | 3.52%   | 0.107% |
| 179        | 12.642 | 12.605 | 12.668 | VV | 4983   | 140736  | 3.86%   | 0.117% |
| 180        | 12.696 | 12.668 | 12.729 | VV | 112788 | 1278525 | 35.09%  | 1.064% |
| 181        | 12.755 | 12.729 | 12.768 | VV | 6819   | 112002  | 3.07%   | 0.093% |
| 182        | 12.804 | 12.768 | 12.858 | VV | 209600 | 2719522 | 74.65%  | 2.262% |
| 183        | 12.875 | 12.858 | 12.890 | VV | 5297   | 81458   | 2.24%   | 0.068% |
| 184        | 12.900 | 12.890 | 12.937 | VV | 3972   | 60893   | 1.67%   | 0.051% |
| 185        | 12.974 | 12.937 | 13.014 | PV | 9862   | 204433  | 5.61%   | 0.170% |
| 186        | 13.033 | 13.014 | 13.071 | VV | 7667   | 125820  | 3.45%   | 0.105% |
| 187        | 13.095 | 13.071 | 13.110 | VV | 5959   | 74418   | 2.04%   | 0.062% |
| 188        | 13.124 | 13.110 | 13.134 | VV | 4526   | 60649   | 1.66%   | 0.050% |
| 189        | 13.157 | 13.134 | 13.190 | VV | 10827  | 195536  | 5.37%   | 0.163% |
| 190        | 13.200 | 13.190 | 13.238 | VV | 2658   | 47353   | 1.30%   | 0.039% |
| 191        | 13.286 | 13.238 | 13.322 | VV | 25432  | 474603  | 13.03%  | 0.395% |
| 192        | 13.332 | 13.322 | 13.342 | VV | 2555   | 28764   | 0.79%   | 0.024% |
| 193        | 13.357 | 13.342 | 13.370 | VV | 3200   | 40295   | 1.11%   | 0.034% |
| 194        | 13.394 | 13.370 | 13.412 | VV | 14725  | 201537  | 5.53%   | 0.168% |

| rteres.txt |        |        |        |    |       |         |        |        |
|------------|--------|--------|--------|----|-------|---------|--------|--------|
| 195        | 13.431 | 13.412 | 13.453 | VV | 16499 | 224284  | 6.16%  | 0.187% |
| 196        | 13.467 | 13.453 | 13.495 | VV | 4549  | 80504   | 2.21%  | 0.067% |
| 197        | 13.558 | 13.495 | 13.581 | VV | 21405 | 385683  | 10.59% | 0.321% |
| 198        | 13.600 | 13.581 | 13.645 | VV | 12848 | 188839  | 5.18%  | 0.157% |
| 199        | 13.681 | 13.645 | 13.713 | VV | 2137  | 45538   | 1.25%  | 0.038% |
| 200        | 13.758 | 13.713 | 13.828 | PV | 1488  | 63049   | 1.73%  | 0.052% |
| 201        | 13.872 | 13.828 | 13.882 | PV | 1354  | 27725   | 0.76%  | 0.023% |
| 202        | 13.905 | 13.882 | 13.929 | VV | 2118  | 39067   | 1.07%  | 0.033% |
| 203        | 13.989 | 13.929 | 14.003 | VV | 7380  | 176351  | 4.84%  | 0.147% |
| 204        | 14.021 | 14.003 | 14.060 | VV | 7903  | 162561  | 4.46%  | 0.135% |
| 205        | 14.119 | 14.060 | 14.168 | VV | 9909  | 274470  | 7.53%  | 0.228% |
| 206        | 14.195 | 14.168 | 14.234 | VV | 12029 | 262046  | 7.19%  | 0.218% |
| 207        | 14.256 | 14.234 | 14.278 | VV | 20559 | 272763  | 7.49%  | 0.227% |
| 208        | 14.327 | 14.278 | 14.356 | VV | 7612  | 192276  | 5.28%  | 0.160% |
| 209        | 14.376 | 14.356 | 14.398 | VV | 7473  | 105320  | 2.89%  | 0.088% |
| 210        | 14.415 | 14.398 | 14.431 | VV | 4351  | 62439   | 1.71%  | 0.052% |
| 211        | 14.442 | 14.431 | 14.495 | VV | 3920  | 59468   | 1.63%  | 0.049% |
| 212        | 14.522 | 14.495 | 14.537 | PV | 5125  | 67001   | 1.84%  | 0.056% |
| 213        | 14.568 | 14.537 | 14.588 | VV | 52453 | 698885  | 19.18% | 0.581% |
| 214        | 14.608 | 14.588 | 14.638 | VV | 61169 | 792484  | 21.75% | 0.659% |
| 215        | 14.658 | 14.638 | 14.681 | VV | 7451  | 99202   | 2.72%  | 0.083% |
| 216        | 14.730 | 14.681 | 14.789 | PV | 17655 | 441318  | 12.11% | 0.367% |
| 217        | 14.803 | 14.789 | 14.845 | VV | 3327  | 64496   | 1.77%  | 0.054% |
| 218        | 14.879 | 14.845 | 14.969 | PV | 7106  | 220496  | 6.05%  | 0.183% |
| 219        | 15.047 | 14.969 | 15.100 | PV | 7529  | 334458  | 9.18%  | 0.278% |
| 220        | 15.110 | 15.100 | 15.141 | VV | 2731  | 51542   | 1.41%  | 0.043% |
| 221        | 15.173 | 15.141 | 15.210 | VV | 6510  | 161889  | 4.44%  | 0.135% |
| 222        | 15.239 | 15.210 | 15.260 | VV | 21828 | 320609  | 8.80%  | 0.267% |
| 223        | 15.278 | 15.260 | 15.307 | VV | 10785 | 164388  | 4.51%  | 0.137% |
| 224        | 15.323 | 15.307 | 15.340 | VV | 3351  | 50537   | 1.39%  | 0.042% |
| 225        | 15.404 | 15.340 | 15.455 | VV | 12715 | 403490  | 11.08% | 0.336% |
| 226        | 15.481 | 15.455 | 15.522 | VV | 3441  | 76565   | 2.10%  | 0.064% |
| 227        | 15.535 | 15.522 | 15.544 | VV | 1633  | 17756   | 0.49%  | 0.015% |
| 228        | 15.565 | 15.544 | 15.596 | VV | 4664  | 83992   | 2.31%  | 0.070% |
| 229        | 15.676 | 15.596 | 15.700 | VV | 10915 | 249593  | 6.85%  | 0.208% |
| 230        | 15.716 | 15.700 | 15.727 | VV | 2701  | 30842   | 0.85%  | 0.026% |
| 231        | 15.744 | 15.727 | 15.758 | VV | 2664  | 33513   | 0.92%  | 0.028% |
| 232        | 15.770 | 15.758 | 15.790 | VV | 2420  | 22416   | 0.62%  | 0.019% |
| 233        | 15.840 | 15.790 | 15.891 | PV | 6198  | 184417  | 5.06%  | 0.153% |
| 234        | 15.941 | 15.891 | 15.964 | VV | 5767  | 172289  | 4.73%  | 0.143% |
| 235        | 16.000 | 15.964 | 16.012 | VV | 5147  | 107645  | 2.95%  | 0.090% |
| 236        | 16.038 | 16.012 | 16.080 | VV | 8658  | 213575  | 5.86%  | 0.178% |
| 237        | 16.122 | 16.080 | 16.200 | VV | 72320 | 1580183 | 43.37% | 1.315% |
| 238        | 16.251 | 16.200 | 16.276 | VV | 17428 | 355633  | 9.76%  | 0.296% |
| 239        | 16.286 | 16.276 | 16.327 | VV | 7059  | 151740  | 4.17%  | 0.126% |
| 240        | 16.344 | 16.327 | 16.359 | VV | 5735  | 71329   | 1.96%  | 0.059% |
| 241        | 16.375 | 16.359 | 16.391 | VV | 4934  | 70627   | 1.94%  | 0.059% |
| 242        | 16.439 | 16.391 | 16.471 | VV | 47076 | 843483  | 23.15% | 0.702% |
| 243        | 16.498 | 16.471 | 16.540 | VV | 55954 | 799491  | 21.95% | 0.665% |
| 244        | 16.565 | 16.540 | 16.577 | VV | 5798  | 84330   | 2.31%  | 0.070% |
| 245        | 16.601 | 16.577 | 16.610 | VV | 19162 | 263510  | 7.23%  | 0.219% |
| 246        | 16.623 | 16.610 | 16.643 | VV | 18725 | 282762  | 7.76%  | 0.235% |

| rteres.txt |        |        |        |    |       |         |        |        |
|------------|--------|--------|--------|----|-------|---------|--------|--------|
| 247        | 16.663 | 16.643 | 16.685 | VV | 16952 | 264374  | 7.26%  | 0.220% |
| 248        | 16.704 | 16.685 | 16.725 | VV | 7226  | 136561  | 3.75%  | 0.114% |
| 249        | 16.744 | 16.725 | 16.755 | VV | 8374  | 133327  | 3.66%  | 0.111% |
| 250        | 16.769 | 16.755 | 16.789 | VV | 8708  | 146753  | 4.03%  | 0.122% |
|            |        |        |        |    |       |         |        |        |
| 251        | 16.808 | 16.789 | 16.823 | VV | 8617  | 146206  | 4.01%  | 0.122% |
| 252        | 16.842 | 16.823 | 16.852 | VV | 11530 | 163744  | 4.49%  | 0.136% |
| 253        | 16.867 | 16.852 | 16.885 | VV | 14314 | 237190  | 6.51%  | 0.197% |
| 254        | 16.911 | 16.885 | 16.951 | VV | 12499 | 360915  | 9.91%  | 0.300% |
| 255        | 16.962 | 16.951 | 16.971 | VV | 7849  | 79530   | 2.18%  | 0.066% |
|            |        |        |        |    |       |         |        |        |
| 256        | 17.000 | 16.971 | 17.046 | VV | 18337 | 548479  | 15.06% | 0.456% |
| 257        | 17.074 | 17.046 | 17.101 | VV | 20796 | 468040  | 12.85% | 0.389% |
| 258        | 17.118 | 17.101 | 17.131 | VV | 9930  | 161730  | 4.44%  | 0.135% |
| 259        | 17.155 | 17.131 | 17.196 | VV | 18775 | 452367  | 12.42% | 0.376% |
| 260        | 17.220 | 17.196 | 17.235 | VV | 12302 | 210718  | 5.78%  | 0.175% |
|            |        |        |        |    |       |         |        |        |
| 261        | 17.249 | 17.235 | 17.261 | VV | 8875  | 117889  | 3.24%  | 0.098% |
| 262        | 17.282 | 17.261 | 17.301 | VV | 11409 | 192698  | 5.29%  | 0.160% |
| 263        | 17.309 | 17.301 | 17.319 | VV | 6422  | 63386   | 1.74%  | 0.053% |
| 264        | 17.347 | 17.319 | 17.365 | VV | 11843 | 238936  | 6.56%  | 0.199% |
| 265        | 17.387 | 17.365 | 17.435 | VV | 11656 | 392558  | 10.78% | 0.327% |
|            |        |        |        |    |       |         |        |        |
| 266        | 17.463 | 17.435 | 17.475 | VV | 16238 | 326731  | 8.97%  | 0.272% |
| 267        | 17.498 | 17.475 | 17.545 | VV | 21571 | 655820  | 18.00% | 0.546% |
| 268        | 17.563 | 17.545 | 17.577 | VV | 11231 | 188010  | 5.16%  | 0.156% |
| 269        | 17.624 | 17.577 | 17.701 | VV | 33031 | 1348901 | 37.03% | 1.122% |
| 270        | 17.731 | 17.701 | 17.743 | VV | 12748 | 280183  | 7.69%  | 0.233% |
|            |        |        |        |    |       |         |        |        |
| 271        | 17.778 | 17.743 | 17.798 | VV | 21559 | 502925  | 13.80% | 0.418% |
| 272        | 17.805 | 17.798 | 17.821 | VV | 17214 | 219133  | 6.02%  | 0.182% |
| 273        | 17.868 | 17.821 | 17.903 | VV | 48208 | 1205251 | 33.08% | 1.003% |
| 274        | 17.926 | 17.903 | 17.967 | VV | 31987 | 903882  | 24.81% | 0.752% |
| 275        | 17.992 | 17.967 | 18.015 | VV | 35379 | 791486  | 21.73% | 0.658% |
|            |        |        |        |    |       |         |        |        |
| 276        | 18.027 | 18.015 | 18.094 | VV | 23851 | 915640  | 25.13% | 0.762% |
| 277        | 18.119 | 18.094 | 18.170 | VV | 48392 | 1151316 | 31.60% | 0.958% |
| 278        | 18.199 | 18.170 | 18.221 | VV | 20676 | 526369  | 14.45% | 0.438% |
| 279        | 18.254 | 18.221 | 18.287 | VV | 23817 | 772476  | 21.20% | 0.643% |
| 280        | 18.331 | 18.287 | 18.387 | VV | 28092 | 1284908 | 35.27% | 1.069% |
|            |        |        |        |    |       |         |        |        |
| 281        | 18.413 | 18.387 | 18.430 | VV | 30712 | 631233  | 17.33% | 0.525% |
| 282        | 18.461 | 18.430 | 18.513 | VV | 30292 | 1191522 | 32.71% | 0.991% |
| 283        | 18.530 | 18.513 | 18.540 | VV | 22077 | 327166  | 8.98%  | 0.272% |
| 284        | 18.559 | 18.540 | 18.571 | VV | 25367 | 408835  | 11.22% | 0.340% |
| 285        | 18.589 | 18.571 | 18.611 | VV | 28208 | 582552  | 15.99% | 0.485% |
|            |        |        |        |    |       |         |        |        |
| 286        | 18.631 | 18.611 | 18.669 | VV | 26618 | 833250  | 22.87% | 0.693% |
| 287        | 18.700 | 18.669 | 18.710 | VV | 32068 | 661250  | 18.15% | 0.550% |
| 288        | 18.736 | 18.710 | 18.785 | VV | 43370 | 1422899 | 39.06% | 1.184% |
| 289        | 18.808 | 18.785 | 18.832 | VV | 36646 | 871858  | 23.93% | 0.725% |
| 290        | 18.844 | 18.832 | 18.871 | VV | 28601 | 600095  | 16.47% | 0.499% |
|            |        |        |        |    |       |         |        |        |
| 291        | 18.929 | 18.871 | 18.950 | VV | 29657 | 1268600 | 34.82% | 1.055% |
| 292        | 18.971 | 18.950 | 18.987 | VV | 28324 | 596528  | 16.37% | 0.496% |
| 293        | 18.999 | 18.987 | 19.016 | VV | 28779 | 473123  | 12.99% | 0.394% |
| 294        | 19.024 | 19.016 | 19.049 | VV | 26892 | 516274  | 14.17% | 0.430% |
| 295        | 19.063 | 19.049 | 19.082 | VV | 29547 | 524862  | 14.41% | 0.437% |
|            |        |        |        |    |       |         |        |        |
| 296        | 19.123 | 19.082 | 19.148 | VV | 44056 | 1387698 | 38.09% | 1.154% |
| 297        | 19.164 | 19.148 | 19.185 | VV | 34004 | 700818  | 19.24% | 0.583% |
| 298        | 19.231 | 19.185 | 19.248 | VV | 39067 | 1335239 | 36.65% | 1.111% |
| 299        | 19.283 | 19.248 | 19.325 | VV | 45671 | 1778506 | 48.82% | 1.480% |

| rteres.txt              |        |        |        |    |       |         |           |        |  |
|-------------------------|--------|--------|--------|----|-------|---------|-----------|--------|--|
| 300                     | 19.351 | 19.325 | 19.379 | VV | 46512 | 1339720 | 36.77%    | 1.115% |  |
| 301                     | 19.437 | 19.379 | 19.466 | VV | 47104 | 2150431 | 59.03%    | 1.789% |  |
| 302                     | 19.498 | 19.466 | 19.529 | VV | 46935 | 1657208 | 45.49%    | 1.379% |  |
| 303                     | 19.537 | 19.529 | 19.578 | VV | 44614 | 1246196 | 34.21%    | 1.037% |  |
| 304                     | 19.654 | 19.578 | 19.694 | VV | 53557 | 3252724 | 89.28%    | 2.706% |  |
| 305                     | 19.735 | 19.694 | 19.787 | VV | 53264 | 2700424 | 74.12%    | 2.247% |  |
| 306                     | 19.828 | 19.787 | 19.838 | VV | 50970 | 1468127 | 40.30%    | 1.221% |  |
| 307                     | 19.858 | 19.838 | 19.876 | VV | 60335 | 1264684 | 34.71%    | 1.052% |  |
| 308                     | 19.897 | 19.876 | 19.945 | VV | 64070 | 2284212 | 62.70%    | 1.900% |  |
| 309                     | 19.959 | 19.945 | 19.978 | VV | 56305 | 1037438 | 28.48%    | 0.863% |  |
| 310                     | 20.045 | 19.978 | 20.085 | VV | 59272 | 3515818 | 96.51%    | 2.925% |  |
| 311                     | 20.105 | 20.085 | 20.126 | VV | 59947 | 1399465 | 38.41%    | 1.164% |  |
| 312                     | 20.163 | 20.126 | 20.175 | VV | 59526 | 1700088 | 46.67%    | 1.414% |  |
| 313                     | 20.218 | 20.175 | 20.231 | VV | 68126 | 2106259 | 57.81%    | 1.752% |  |
| 314                     | 20.236 | 20.231 | 20.251 | VV | 63884 | 742724  | 20.39%    | 0.618% |  |
| 315                     | 20.307 | 20.251 | 20.318 | VV | 70313 | 2512515 | 68.97%    | 2.090% |  |
| 316                     | 20.372 | 20.318 | 20.391 | VV | 71615 | 2977387 | 81.73%    | 2.477% |  |
| 317                     | 20.407 | 20.391 | 20.425 | VV | 66660 | 1306143 | 35.85%    | 1.087% |  |
| 318                     | 20.445 | 20.425 | 20.465 | VV | 66241 | 1506658 | 41.36%    | 1.253% |  |
| 319                     | 20.484 | 20.465 | 20.526 | VV | 61186 | 2100105 | 57.65%    | 1.747% |  |
| 320                     | 20.563 | 20.526 | 20.604 | VV | 58424 | 2527564 | 69.38%    | 2.103% |  |
| 321                     | 20.622 | 20.604 | 20.631 | VV | 52241 | 842887  | 23.14%    | 0.701% |  |
| 322                     | 20.639 | 20.631 | 20.651 | VV | 51775 | 612316  | 16.81%    | 0.509% |  |
| 323                     | 20.661 | 20.651 | 20.685 | VV | 51979 | 989575  | 27.16%    | 0.823% |  |
| 324                     | 20.705 | 20.685 | 20.732 | VV | 51254 | 1343164 | 36.87%    | 1.117% |  |
| 325                     | 20.745 | 20.732 | 20.778 | VV | 47007 | 1184935 | 32.53%    | 0.986% |  |
| 326                     | 20.800 | 20.778 | 20.819 | VV | 43478 | 985899  | 27.06%    | 0.820% |  |
| 327                     | 20.848 | 20.819 | 20.904 | VV | 43106 | 1946702 | 53.44%    | 1.620% |  |
| 328                     | 20.918 | 20.904 | 20.929 | VV | 39414 | 528700  | 14.51%    | 0.440% |  |
| 329                     | 20.960 | 20.929 | 20.993 | VV | 43494 | 1448141 | 39.75%    | 1.205% |  |
| 330                     | 21.002 | 20.993 | 21.045 | VV | 36997 | 1030948 | 28.30%    | 0.858% |  |
| 331                     | 21.057 | 21.045 | 21.093 | VV | 33468 | 796532  | 21.86%    | 0.663% |  |
| 332                     | 21.104 | 21.093 | 21.121 | VV | 25861 | 390943  | 10.73%    | 0.325% |  |
| 333                     | 21.146 | 21.121 | 21.164 | VV | 22117 | 541883  | 14.87%    | 0.451% |  |
| 334                     | 21.185 | 21.164 | 21.206 | VV | 23972 | 519578  | 14.26%    | 0.432% |  |
| 335                     | 21.220 | 21.206 | 21.231 | VV | 20428 | 259084  | 7.11%     | 0.216% |  |
| 336                     | 21.241 | 21.231 | 21.251 | VV | 19573 | 208377  | 5.72%     | 0.173% |  |
| 337                     | 21.269 | 21.251 | 21.300 | VV | 18122 | 469973  | 12.90%    | 0.391% |  |
| 338                     | 21.312 | 21.300 | 21.331 | VV | 18476 | 309330  | 8.49%     | 0.257% |  |
| 339                     | 21.356 | 21.331 | 21.383 | VV | 17914 | 473592  | 13.00%    | 0.394% |  |
| 340                     | 21.398 | 21.383 | 21.425 | VV | 17592 | 379272  | 10.41%    | 0.316% |  |
| 341                     | 21.439 | 21.425 | 21.515 | VV | 13308 | 395135  | 10.85%    | 0.329% |  |
| 342                     | 21.527 | 21.515 | 21.568 | VV | 5787  | 88488   | 2.43%     | 0.074% |  |
| 343                     | 21.578 | 21.568 | 21.592 | VV | 2532  | 17216   | 0.47%     | 0.014% |  |
| Sum of corrected areas: |        |        |        |    |       |         | 120202125 |        |  |

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