

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100318AL\  
 Data File : FC036632.D  
 Signal(s) : FID1A.CH  
 Acq On : 03 Oct 2018 13:18  
 Sample : J5191-05  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 092118.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.194       | 3.152        | 3.249      | BV       | 63             | 1296         | 0.01%          | 0.000%        |
| 2         | 3.286       | 3.265        | 3.309      | VV       | 102            | 1754         | 0.01%          | 0.000%        |
| 3         | 3.320       | 3.309        | 3.356      | VV       | 204            | 2783         | 0.02%          | 0.000%        |
| 4         | 3.388       | 3.356        | 3.420      | PV       | 178            | 3399         | 0.02%          | 0.001%        |
| 5         | 3.433       | 3.420        | 3.451      | VV       | 161            | 1720         | 0.01%          | 0.000%        |
| 6         | 3.457       | 3.451        | 3.468      | VV       | 134            | 1293         | 0.01%          | 0.000%        |
| 7         | 3.497       | 3.468        | 3.551      | VV       | 234            | 7695         | 0.04%          | 0.001%        |
| 8         | 3.569       | 3.551        | 3.584      | VV       | 169            | 2438         | 0.01%          | 0.000%        |
| 9         | 3.594       | 3.584        | 3.609      | VV       | 146            | 1762         | 0.01%          | 0.000%        |
| 10        | 3.636       | 3.609        | 3.649      | VV       | 280            | 3881         | 0.02%          | 0.001%        |
| 11        | 3.672       | 3.649        | 3.711      | VV       | 260            | 4854         | 0.03%          | 0.001%        |
| 12        | 3.745       | 3.711        | 3.760      | VV       | 256            | 4324         | 0.02%          | 0.001%        |
| 13        | 3.778       | 3.760        | 3.824      | VV       | 171            | 4656         | 0.03%          | 0.001%        |
| 14        | 3.833       | 3.824        | 3.843      | VV       | 162            | 1046         | 0.01%          | 0.000%        |
| 15        | 3.863       | 3.843        | 3.950      | VV       | 668            | 23200        | 0.13%          | 0.004%        |
| 16        | 3.960       | 3.950        | 4.024      | VV       | 285            | 10020        | 0.05%          | 0.002%        |
| 17        | 4.033       | 4.024        | 4.079      | VV       | 269            | 7962         | 0.04%          | 0.001%        |
| 18        | 4.089       | 4.079        | 4.124      | VV       | 304            | 6690         | 0.04%          | 0.001%        |
| 19        | 4.129       | 4.124        | 4.181      | VV       | 281            | 7100         | 0.04%          | 0.001%        |
| 20        | 4.202       | 4.181        | 4.246      | VV       | 238            | 6971         | 0.04%          | 0.001%        |
| 21        | 4.254       | 4.246        | 4.276      | VV       | 264            | 3749         | 0.02%          | 0.001%        |
| 22        | 4.302       | 4.276        | 4.308      | VV       | 304            | 4197         | 0.02%          | 0.001%        |
| 23        | 4.317       | 4.308        | 4.331      | VV       | 248            | 2784         | 0.02%          | 0.000%        |
| 24        | 4.337       | 4.331        | 4.361      | VV       | 261            | 3891         | 0.02%          | 0.001%        |
| 25        | 4.365       | 4.361        | 4.391      | VV       | 356            | 3494         | 0.02%          | 0.001%        |
| 26        | 4.407       | 4.391        | 4.442      | VV       | 687            | 10408        | 0.06%          | 0.002%        |
| 27        | 4.449       | 4.442        | 4.471      | VV       | 355            | 4556         | 0.02%          | 0.001%        |
| 28        | 4.483       | 4.471        | 4.527      | VV       | 241            | 5408         | 0.03%          | 0.001%        |
| 29        | 4.533       | 4.527        | 4.543      | VV       | 130            | 1083         | 0.01%          | 0.000%        |
| 30        | 4.559       | 4.543        | 4.581      | VV       | 179            | 2310         | 0.01%          | 0.000%        |
| 31        | 4.614       | 4.581        | 4.651      | PV       | 150            | 3442         | 0.02%          | 0.001%        |
| 32        | 4.657       | 4.651        | 4.679      | VV       | 104            | 1616         | 0.01%          | 0.000%        |
| 33        | 4.692       | 4.679        | 4.739      | VV       | 180            | 3323         | 0.02%          | 0.001%        |
| 34        | 4.772       | 4.739        | 4.794      | VV       | 110            | 2418         | 0.01%          | 0.000%        |
| 35        | 4.808       | 4.794        | 4.825      | VV       | 273            | 3395         | 0.02%          | 0.001%        |
| 36        | 4.850       | 4.825        | 4.866      | VV       | 477            | 5443         | 0.03%          | 0.001%        |

| rteres.txt |       |       |       |    |      |       |       |        |
|------------|-------|-------|-------|----|------|-------|-------|--------|
| 37         | 4.886 | 4.866 | 4.924 | VV | 2531 | 26064 | 0.14% | 0.004% |
| 38         | 4.944 | 4.924 | 4.981 | VV | 1166 | 12696 | 0.07% | 0.002% |
| 39         | 4.999 | 4.981 | 5.049 | VV | 182  | 3531  | 0.02% | 0.001% |
| 40         | 5.078 | 5.049 | 5.099 | PV | 494  | 6597  | 0.04% | 0.001% |
| 41         | 5.118 | 5.099 | 5.184 | VV | 300  | 7137  | 0.04% | 0.001% |
| 42         | 5.190 | 5.184 | 5.204 | VV | 183  | 1359  | 0.01% | 0.000% |
| 43         | 5.212 | 5.204 | 5.230 | VV | 129  | 1468  | 0.01% | 0.000% |
| 44         | 5.257 | 5.230 | 5.278 | PV | 504  | 5930  | 0.03% | 0.001% |
| 45         | 5.331 | 5.278 | 5.362 | VV | 1421 | 21694 | 0.12% | 0.004% |
| 46         | 5.387 | 5.362 | 5.408 | VV | 733  | 10536 | 0.06% | 0.002% |
| 47         | 5.415 | 5.408 | 5.426 | VV | 268  | 1767  | 0.01% | 0.000% |
| 48         | 5.452 | 5.426 | 5.498 | VV | 425  | 10588 | 0.06% | 0.002% |
| 49         | 5.517 | 5.498 | 5.557 | VV | 231  | 5631  | 0.03% | 0.001% |
| 50         | 5.567 | 5.557 | 5.597 | VV | 282  | 3713  | 0.02% | 0.001% |
| 51         | 5.657 | 5.597 | 5.672 | VV | 271  | 7057  | 0.04% | 0.001% |
| 52         | 5.698 | 5.672 | 5.715 | VV | 225  | 4687  | 0.03% | 0.001% |
| 53         | 5.735 | 5.715 | 5.747 | VV | 299  | 3779  | 0.02% | 0.001% |
| 54         | 5.752 | 5.747 | 5.778 | VV | 216  | 3293  | 0.02% | 0.001% |
| 55         | 5.832 | 5.778 | 5.894 | VV | 630  | 21374 | 0.12% | 0.003% |
| 56         | 5.915 | 5.894 | 5.939 | VV | 273  | 5675  | 0.03% | 0.001% |
| 57         | 5.992 | 5.939 | 6.039 | VV | 542  | 17085 | 0.09% | 0.003% |
| 58         | 6.092 | 6.039 | 6.106 | VV | 370  | 9060  | 0.05% | 0.001% |
| 59         | 6.136 | 6.106 | 6.161 | VV | 300  | 7271  | 0.04% | 0.001% |
| 60         | 6.166 | 6.161 | 6.176 | VV | 222  | 1564  | 0.01% | 0.000% |
| 61         | 6.191 | 6.176 | 6.251 | VV | 365  | 10359 | 0.06% | 0.002% |
| 62         | 6.267 | 6.251 | 6.336 | VV | 308  | 9547  | 0.05% | 0.002% |
| 63         | 6.362 | 6.336 | 6.402 | VV | 172  | 5120  | 0.03% | 0.001% |
| 64         | 6.414 | 6.402 | 6.447 | VV | 220  | 3364  | 0.02% | 0.001% |
| 65         | 6.499 | 6.447 | 6.609 | VV | 238  | 11908 | 0.07% | 0.002% |
| 66         | 6.658 | 6.609 | 6.678 | PV | 313  | 4181  | 0.02% | 0.001% |
| 67         | 6.694 | 6.678 | 6.711 | VV | 133  | 1449  | 0.01% | 0.000% |
| 68         | 6.725 | 6.711 | 6.753 | VV | 153  | 1440  | 0.01% | 0.000% |
| 69         | 6.782 | 6.753 | 6.798 | VV | 207  | 3436  | 0.02% | 0.001% |
| 70         | 6.822 | 6.798 | 6.845 | VV | 218  | 3755  | 0.02% | 0.001% |
| 71         | 6.884 | 6.845 | 6.912 | VV | 299  | 6881  | 0.04% | 0.001% |
| 72         | 6.929 | 6.912 | 6.944 | VV | 135  | 1789  | 0.01% | 0.000% |
| 73         | 6.964 | 6.944 | 7.012 | VV | 331  | 7413  | 0.04% | 0.001% |
| 74         | 7.048 | 7.012 | 7.107 | VV | 479  | 10154 | 0.06% | 0.002% |
| 75         | 7.123 | 7.107 | 7.141 | PV | 297  | 3955  | 0.02% | 0.001% |
| 76         | 7.159 | 7.141 | 7.171 | VV | 350  | 4620  | 0.03% | 0.001% |
| 77         | 7.183 | 7.171 | 7.205 | VV | 413  | 5318  | 0.03% | 0.001% |
| 78         | 7.245 | 7.205 | 7.295 | VV | 294  | 6382  | 0.03% | 0.001% |
| 79         | 7.352 | 7.295 | 7.387 | PV | 439  | 11633 | 0.06% | 0.002% |
| 80         | 7.407 | 7.387 | 7.424 | VV | 405  | 5933  | 0.03% | 0.001% |
| 81         | 7.601 | 7.595 | 7.676 | VV | 3111 | 93386 | 0.51% | 0.015% |
| 82         | 7.702 | 7.676 | 7.719 | VV | 1132 | 26406 | 0.14% | 0.004% |
| 83         | 7.749 | 7.719 | 7.764 | VV | 1278 | 27887 | 0.15% | 0.005% |
| 84         | 7.783 | 7.764 | 7.796 | VV | 1713 | 27121 | 0.15% | 0.004% |
| 85         | 7.803 | 7.796 | 7.825 | VV | 1443 | 20189 | 0.11% | 0.003% |
| 86         | 7.845 | 7.825 | 7.858 | VV | 1282 | 22010 | 0.12% | 0.004% |
| 87         | 7.876 | 7.858 | 7.901 | VV | 2072 | 39726 | 0.22% | 0.006% |
| 88         | 7.929 | 7.901 | 7.941 | VV | 1958 | 38370 | 0.21% | 0.006% |
| 89         | 7.961 | 7.941 | 7.983 | VV | 1916 | 44604 | 0.24% | 0.007% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 90         | 8.019  | 7.983  | 8.037  | VV | 3455   | 79089   | 0.43%  | 0.013% |
| 91         | 8.052  | 8.037  | 8.075  | VV | 3474   | 62433   | 0.34%  | 0.010% |
| 92         | 8.108  | 8.075  | 8.136  | VV | 32192  | 390073  | 2.13%  | 0.063% |
| 93         | 8.147  | 8.136  | 8.158  | VV | 3899   | 48957   | 0.27%  | 0.008% |
| 94         | 8.169  | 8.158  | 8.179  | VV | 3884   | 47993   | 0.26%  | 0.008% |
| 95         | 8.202  | 8.179  | 8.241  | VV | 7347   | 181073  | 0.99%  | 0.029% |
| 96         | 8.263  | 8.241  | 8.278  | VV | 4845   | 96609   | 0.53%  | 0.016% |
| 97         | 8.300  | 8.278  | 8.316  | VV | 5365   | 113695  | 0.62%  | 0.019% |
| 98         | 8.402  | 8.392  | 8.418  | VV | 11225  | 163335  | 0.89%  | 0.027% |
| 99         | 8.429  | 8.418  | 8.446  | VV | 9765   | 158769  | 0.87%  | 0.026% |
| 100        | 8.477  | 8.446  | 8.487  | VV | 15172  | 299484  | 1.64%  | 0.049% |
| 101        | 8.498  | 8.487  | 8.519  | VV | 15132  | 242524  | 1.32%  | 0.039% |
| 102        | 8.556  | 8.519  | 8.571  | VV | 16408  | 433024  | 2.36%  | 0.070% |
| 103        | 8.587  | 8.571  | 8.613  | VV | 19415  | 371872  | 2.03%  | 0.061% |
| 104        | 8.637  | 8.613  | 8.649  | VV | 14913  | 282625  | 1.54%  | 0.046% |
| 105        | 8.661  | 8.649  | 8.675  | VV | 14812  | 210640  | 1.15%  | 0.034% |
| 106        | 8.730  | 8.675  | 8.751  | VV | 17205  | 681850  | 3.72%  | 0.111% |
| 107        | 8.788  | 8.751  | 8.805  | VV | 23137  | 587599  | 3.21%  | 0.096% |
| 108        | 8.824  | 8.805  | 8.841  | VV | 19084  | 405117  | 2.21%  | 0.066% |
| 109        | 8.873  | 8.841  | 8.885  | VV | 23294  | 549214  | 3.00%  | 0.089% |
| 110        | 8.900  | 8.885  | 8.917  | VV | 22993  | 415543  | 2.27%  | 0.068% |
| 111        | 8.956  | 8.917  | 8.976  | VV | 33999  | 935487  | 5.11%  | 0.152% |
| 112        | 9.009  | 8.976  | 9.037  | VV | 30365  | 1009822 | 5.52%  | 0.164% |
| 113        | 9.061  | 9.037  | 9.080  | VV | 33750  | 775849  | 4.24%  | 0.126% |
| 114        | 9.102  | 9.080  | 9.124  | VV | 33024  | 819016  | 4.47%  | 0.133% |
| 115        | 9.168  | 9.124  | 9.183  | VV | 36367  | 1164145 | 6.36%  | 0.190% |
| 116        | 9.196  | 9.183  | 9.211  | VV | 36449  | 581278  | 3.17%  | 0.095% |
| 117        | 9.247  | 9.211  | 9.275  | VV | 62946  | 1798988 | 9.83%  | 0.293% |
| 118        | 9.327  | 9.275  | 9.348  | VV | 54316  | 2036242 | 11.12% | 0.331% |
| 119        | 9.377  | 9.348  | 9.391  | VV | 51980  | 1195309 | 6.53%  | 0.195% |
| 120        | 9.426  | 9.391  | 9.446  | VV | 55529  | 1708928 | 9.33%  | 0.278% |
| 121        | 9.467  | 9.446  | 9.478  | VV | 50619  | 939452  | 5.13%  | 0.153% |
| 122        | 9.495  | 9.478  | 9.513  | VV | 52770  | 1081468 | 5.91%  | 0.176% |
| 123        | 9.605  | 9.513  | 9.628  | VV | 73072  | 4125169 | 22.53% | 0.672% |
| 124        | 9.649  | 9.628  | 9.666  | VV | 80581  | 1631920 | 8.91%  | 0.266% |
| 125        | 9.726  | 9.666  | 9.762  | VV | 89890  | 4440060 | 24.25% | 0.723% |
| 126        | 9.773  | 9.762  | 9.790  | VV | 81584  | 1307562 | 7.14%  | 0.213% |
| 127        | 9.820  | 9.790  | 9.841  | VV | 83143  | 2347014 | 12.82% | 0.382% |
| 128        | 9.872  | 9.841  | 9.896  | VV | 87112  | 2611198 | 14.26% | 0.425% |
| 129        | 9.916  | 9.896  | 9.932  | VV | 88032  | 1853591 | 10.12% | 0.302% |
| 130        | 9.994  | 9.932  | 10.005 | VV | 111046 | 4091876 | 22.35% | 0.666% |
| 131        | 10.036 | 10.005 | 10.064 | VV | 160463 | 4460092 | 24.36% | 0.726% |
| 132        | 10.084 | 10.064 | 10.100 | VV | 118810 | 2463201 | 13.45% | 0.401% |
| 133        | 10.120 | 10.100 | 10.148 | VV | 118151 | 3245180 | 17.72% | 0.528% |
| 134        | 10.179 | 10.148 | 10.203 | VV | 140052 | 3808890 | 20.80% | 0.620% |
| 135        | 10.223 | 10.203 | 10.241 | VV | 115543 | 2557829 | 13.97% | 0.416% |
| 136        | 10.280 | 10.241 | 10.291 | VV | 127524 | 3533455 | 19.30% | 0.575% |
| 137        | 10.314 | 10.291 | 10.332 | VV | 137892 | 3169592 | 17.31% | 0.516% |
| 138        | 10.382 | 10.332 | 10.397 | VV | 155059 | 5337461 | 29.15% | 0.869% |
| 139        | 10.409 | 10.397 | 10.415 | VV | 147339 | 1548048 | 8.45%  | 0.252% |
| 140        | 10.458 | 10.415 | 10.483 | VV | 307957 | 8449639 | 46.15% | 1.375% |
| 141        | 10.500 | 10.483 | 10.541 | VV | 180788 | 5674598 | 30.99% | 0.924% |

|     |        |        |        |    | rteres.txt |          |         |        |
|-----|--------|--------|--------|----|------------|----------|---------|--------|
| 142 | 10.609 | 10.541 | 10.624 | VV | 159611     | 7534009  | 41.15%  | 1.226% |
| 143 | 10.652 | 10.624 | 10.673 | VV | 163115     | 4617126  | 25.22%  | 0.752% |
| 144 | 10.708 | 10.673 | 10.718 | VV | 186937     | 4651736  | 25.41%  | 0.757% |
| 145 | 10.725 | 10.718 | 10.741 | VV | 184147     | 2496585  | 13.64%  | 0.406% |
| 146 | 10.755 | 10.741 | 10.764 | VV | 186230     | 2526170  | 13.80%  | 0.411% |
| 147 | 10.782 | 10.764 | 10.814 | VV | 201330     | 5585504  | 30.51%  | 0.909% |
| 148 | 10.862 | 10.814 | 10.875 | VV | 196669     | 6800403  | 37.14%  | 1.107% |
| 149 | 10.886 | 10.875 | 10.903 | VV | 199488     | 3287904  | 17.96%  | 0.535% |
| 150 | 10.913 | 10.903 | 10.927 | VV | 198780     | 2762879  | 15.09%  | 0.450% |
| 151 | 10.982 | 10.927 | 10.990 | VV | 199271     | 7348586  | 40.13%  | 1.196% |
| 152 | 11.010 | 10.990 | 11.020 | VV | 211895     | 3691982  | 20.16%  | 0.601% |
| 153 | 11.038 | 11.020 | 11.052 | VV | 217665     | 4067505  | 22.21%  | 0.662% |
| 154 | 11.088 | 11.052 | 11.113 | VV | 232582     | 7985245  | 43.61%  | 1.300% |
| 155 | 11.138 | 11.113 | 11.150 | VV | 232918     | 4826415  | 26.36%  | 0.786% |
| 156 | 11.181 | 11.150 | 11.235 | VV | 386973     | 13835952 | 75.56%  | 2.252% |
| 157 | 11.247 | 11.235 | 11.268 | VV | 220837     | 4297384  | 23.47%  | 0.700% |
| 158 | 11.288 | 11.268 | 11.306 | VV | 218450     | 4831750  | 26.39%  | 0.787% |
| 159 | 11.330 | 11.306 | 11.341 | VV | 225941     | 4512671  | 24.65%  | 0.735% |
| 160 | 11.392 | 11.341 | 11.424 | VV | 735699     | 17312679 | 94.55%  | 2.818% |
| 161 | 11.450 | 11.424 | 11.462 | VV | 255639     | 5391881  | 29.45%  | 0.878% |
| 162 | 11.477 | 11.462 | 11.501 | VV | 254699     | 5762372  | 31.47%  | 0.938% |
| 163 | 11.520 | 11.501 | 11.541 | VV | 244636     | 5792212  | 31.63%  | 0.943% |
| 164 | 11.568 | 11.541 | 11.584 | VV | 256540     | 6374405  | 34.81%  | 1.038% |
| 165 | 11.606 | 11.584 | 11.617 | VV | 253280     | 4921704  | 26.88%  | 0.801% |
| 166 | 11.638 | 11.617 | 11.667 | VV | 263228     | 7548493  | 41.23%  | 1.229% |
| 167 | 11.690 | 11.667 | 11.711 | VV | 260339     | 6711081  | 36.65%  | 1.092% |
| 168 | 11.734 | 11.711 | 11.771 | VV | 323284     | 10043201 | 54.85%  | 1.635% |
| 169 | 11.792 | 11.771 | 11.809 | VV | 271444     | 5937561  | 32.43%  | 0.967% |
| 170 | 11.845 | 11.809 | 11.929 | VV | 273049     | 18310097 | 100.00% | 2.981% |
| 171 | 11.951 | 11.929 | 11.984 | VV | 253543     | 7986996  | 43.62%  | 1.300% |
| 172 | 12.030 | 11.984 | 12.041 | VV | 259847     | 8564612  | 46.78%  | 1.394% |
| 173 | 12.061 | 12.041 | 12.087 | VV | 264258     | 7018201  | 38.33%  | 1.142% |
| 174 | 12.107 | 12.087 | 12.125 | VV | 259253     | 5617385  | 30.68%  | 0.914% |
| 175 | 12.141 | 12.125 | 12.182 | VV | 252680     | 8465957  | 46.24%  | 1.378% |
| 176 | 12.200 | 12.182 | 12.225 | VV | 243474     | 6071624  | 33.16%  | 0.988% |
| 177 | 12.239 | 12.225 | 12.255 | VV | 252484     | 4402987  | 24.05%  | 0.717% |
| 178 | 12.271 | 12.255 | 12.288 | VV | 250509     | 4950746  | 27.04%  | 0.806% |
| 179 | 12.312 | 12.288 | 12.364 | VV | 271141     | 11320143 | 61.82%  | 1.843% |
| 180 | 12.389 | 12.364 | 12.410 | VV | 261700     | 6696483  | 36.57%  | 1.090% |
| 181 | 12.423 | 12.410 | 12.440 | VV | 246183     | 4339663  | 23.70%  | 0.706% |
| 182 | 12.456 | 12.440 | 12.518 | VV | 244731     | 11102294 | 60.63%  | 1.807% |
| 183 | 12.533 | 12.518 | 12.561 | VV | 239774     | 5739985  | 31.35%  | 0.934% |
| 184 | 12.588 | 12.561 | 12.631 | VV | 216924     | 9045662  | 49.40%  | 1.472% |
| 185 | 12.668 | 12.631 | 12.689 | VV | 234773     | 7786209  | 42.52%  | 1.267% |
| 186 | 12.713 | 12.689 | 12.729 | VV | 225455     | 5197104  | 28.38%  | 0.846% |
| 187 | 12.745 | 12.729 | 12.788 | VV | 219764     | 7563542  | 41.31%  | 1.231% |
| 188 | 12.833 | 12.788 | 12.868 | VV | 517092     | 13874936 | 75.78%  | 2.259% |
| 189 | 12.886 | 12.868 | 12.923 | VV | 244997     | 7418383  | 40.52%  | 1.208% |
| 190 | 12.935 | 12.923 | 12.959 | VV | 213361     | 4504251  | 24.60%  | 0.733% |
| 191 | 12.970 | 12.959 | 13.004 | VV | 200375     | 5232098  | 28.57%  | 0.852% |
| 192 | 13.016 | 13.004 | 13.045 | VV | 201437     | 4771329  | 26.06%  | 0.777% |
| 193 | 13.064 | 13.045 | 13.121 | VV | 201796     | 8755163  | 47.82%  | 1.425% |
| 194 | 13.132 | 13.121 | 13.195 | VV | 186691     | 7940417  | 43.37%  | 1.293% |

|     |        |        |        |    |            |          |        |        |
|-----|--------|--------|--------|----|------------|----------|--------|--------|
|     |        |        |        |    | rteres.txt |          |        |        |
| 195 | 13.224 | 13.195 | 13.248 | VV | 202825     | 6008073  | 32.81% | 0.978% |
| 196 | 13.268 | 13.248 | 13.300 | VV | 189342     | 5615528  | 30.67% | 0.914% |
| 197 | 13.317 | 13.300 | 13.405 | VV | 180390     | 10489149 | 57.29% | 1.707% |
| 198 | 13.435 | 13.405 | 13.455 | VV | 170276     | 4969295  | 27.14% | 0.809% |
| 199 | 13.495 | 13.455 | 13.531 | VV | 168735     | 7240783  | 39.55% | 1.179% |
| 200 | 13.541 | 13.531 | 13.566 | VV | 149011     | 3020892  | 16.50% | 0.492% |
| 201 | 13.581 | 13.566 | 13.629 | VV | 148949     | 5411456  | 29.55% | 0.881% |
| 202 | 13.647 | 13.629 | 13.696 | VV | 145588     | 5541048  | 30.26% | 0.902% |
| 203 | 13.720 | 13.696 | 13.764 | VV | 136573     | 5372274  | 29.34% | 0.875% |
| 204 | 13.814 | 13.764 | 13.946 | VV | 146722     | 13499931 | 73.73% | 2.198% |
| 205 | 13.967 | 13.946 | 13.985 | VV | 118198     | 2665683  | 14.56% | 0.434% |
| 206 | 13.996 | 13.985 | 14.012 | VV | 108437     | 1725377  | 9.42%  | 0.281% |
| 207 | 14.032 | 14.012 | 14.090 | VV | 104988     | 4695181  | 25.64% | 0.764% |
| 208 | 14.110 | 14.090 | 14.128 | VV | 96547      | 2152738  | 11.76% | 0.350% |
| 209 | 14.142 | 14.128 | 14.175 | VV | 96086      | 2522864  | 13.78% | 0.411% |
| 210 | 14.200 | 14.175 | 14.245 | VV | 93379      | 3748743  | 20.47% | 0.610% |
| 211 | 14.266 | 14.245 | 14.355 | VV | 89937      | 5319320  | 29.05% | 0.866% |
| 212 | 14.373 | 14.355 | 14.445 | VV | 76420      | 3894028  | 21.27% | 0.634% |
| 213 | 14.457 | 14.445 | 14.496 | VV | 67189      | 1953610  | 10.67% | 0.318% |
| 214 | 14.513 | 14.496 | 14.555 | VV | 63807      | 2154922  | 11.77% | 0.351% |
| 215 | 14.568 | 14.555 | 14.658 | VV | 60336      | 3355909  | 18.33% | 0.546% |
| 216 | 14.666 | 14.658 | 14.705 | VV | 53237      | 1418360  | 7.75%  | 0.231% |
| 217 | 14.713 | 14.705 | 14.781 | VV | 51332      | 2190176  | 11.96% | 0.357% |
| 218 | 14.791 | 14.781 | 14.801 | VV | 44034      | 517036   | 2.82%  | 0.084% |
| 219 | 14.820 | 14.801 | 14.864 | VV | 45404      | 1554821  | 8.49%  | 0.253% |
| 220 | 14.874 | 14.864 | 14.893 | VV | 39973      | 658102   | 3.59%  | 0.107% |
| 221 | 14.907 | 14.893 | 15.041 | VV | 38474      | 3085133  | 16.85% | 0.502% |
| 222 | 15.059 | 15.041 | 15.085 | VV | 34506      | 845950   | 4.62%  | 0.138% |
| 223 | 15.092 | 15.085 | 15.173 | VV | 32496      | 1513725  | 8.27%  | 0.246% |
| 224 | 15.208 | 15.173 | 15.348 | VV | 70977      | 3064069  | 16.73% | 0.499% |
| 225 | 15.352 | 15.348 | 15.379 | VV | 19571      | 345575   | 1.89%  | 0.056% |
| 226 | 15.402 | 15.379 | 15.481 | VV | 18908      | 1032032  | 5.64%  | 0.168% |
| 227 | 15.504 | 15.481 | 15.562 | VV | 18172      | 771443   | 4.21%  | 0.126% |
| 228 | 15.572 | 15.562 | 15.608 | VV | 14369      | 372242   | 2.03%  | 0.061% |
| 229 | 15.630 | 15.608 | 15.642 | VV | 12649      | 245039   | 1.34%  | 0.040% |
| 230 | 15.650 | 15.642 | 15.669 | VV | 12340      | 195255   | 1.07%  | 0.032% |
| 231 | 15.693 | 15.669 | 15.721 | VV | 14836      | 386661   | 2.11%  | 0.063% |
| 232 | 15.740 | 15.721 | 15.801 | VV | 11564      | 476027   | 2.60%  | 0.077% |
| 233 | 15.837 | 15.801 | 15.848 | VV | 8615       | 236288   | 1.29%  | 0.038% |
| 234 | 15.866 | 15.848 | 15.914 | VV | 8859       | 317554   | 1.73%  | 0.052% |
| 235 | 15.925 | 15.914 | 15.974 | VV | 7585       | 249059   | 1.36%  | 0.041% |
| 236 | 16.010 | 15.974 | 16.129 | VV | 8512       | 583813   | 3.19%  | 0.095% |
| 237 | 16.176 | 16.129 | 16.211 | VV | 8765       | 277037   | 1.51%  | 0.045% |
| 238 | 16.253 | 16.211 | 16.281 | VV | 5992       | 190677   | 1.04%  | 0.031% |
| 239 | 16.303 | 16.281 | 16.378 | VV | 4331       | 202533   | 1.11%  | 0.033% |
| 240 | 16.397 | 16.378 | 16.407 | VV | 3374       | 54470    | 0.30%  | 0.009% |
| 241 | 16.423 | 16.407 | 16.498 | VV | 3620       | 147405   | 0.81%  | 0.024% |
| 242 | 16.531 | 16.498 | 16.571 | VV | 2997       | 98556    | 0.54%  | 0.016% |
| 243 | 16.641 | 16.571 | 16.666 | VV | 6580       | 184364   | 1.01%  | 0.030% |
| 244 | 16.683 | 16.666 | 16.741 | VV | 2563       | 63536    | 0.35%  | 0.010% |
| 245 | 16.761 | 16.741 | 16.807 | VV | 1108       | 34797    | 0.19%  | 0.006% |
| 246 | 16.819 | 16.807 | 16.839 | VV | 896        | 12686    | 0.07%  | 0.002% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 247 | 16.856 | 16.839 | 16.901 | VV | 1222       | 26247   | 0.14%  | 0.004% |
| 248 | 16.933 | 16.901 | 16.989 | VV | 824        | 27936   | 0.15%  | 0.005% |
| 249 | 17.013 | 16.989 | 17.058 | VV | 2384       | 39895   | 0.22%  | 0.006% |
| 250 | 17.090 | 17.058 | 17.136 | VV | 5453       | 81025   | 0.44%  | 0.013% |
| 251 | 17.183 | 17.136 | 17.258 | PV | 1184       | 31325   | 0.17%  | 0.005% |
| 252 | 17.271 | 17.258 | 17.291 | VV | 273        | 4212    | 0.02%  | 0.001% |
| 253 | 17.304 | 17.291 | 17.327 | VV | 465        | 5189    | 0.03%  | 0.001% |
| 254 | 17.366 | 17.327 | 17.382 | PV | 593        | 12622   | 0.07%  | 0.002% |
| 255 | 17.405 | 17.382 | 17.454 | VV | 585        | 17477   | 0.10%  | 0.003% |
| 256 | 17.476 | 17.454 | 17.485 | VV | 867        | 10893   | 0.06%  | 0.002% |
| 257 | 17.526 | 17.485 | 17.570 | VV | 5449       | 108499  | 0.59%  | 0.018% |
| 258 | 17.612 | 17.570 | 17.633 | VV | 1242       | 29010   | 0.16%  | 0.005% |
| 259 | 17.650 | 17.633 | 17.725 | VV | 1299       | 40672   | 0.22%  | 0.007% |
| 260 | 17.742 | 17.725 | 17.766 | VV | 541        | 8450    | 0.05%  | 0.001% |
| 261 | 17.800 | 17.766 | 17.820 | VV | 1356       | 27082   | 0.15%  | 0.004% |
| 262 | 17.861 | 17.820 | 17.917 | VV | 8303       | 196184  | 1.07%  | 0.032% |
| 263 | 17.945 | 17.917 | 17.991 | VV | 6959       | 141590  | 0.77%  | 0.023% |
| 264 | 18.036 | 17.991 | 18.065 | VV | 2615       | 80690   | 0.44%  | 0.013% |
| 265 | 18.076 | 18.065 | 18.095 | VV | 1507       | 24711   | 0.13%  | 0.004% |
| 266 | 18.116 | 18.095 | 18.128 | VV | 1412       | 24606   | 0.13%  | 0.004% |
| 267 | 18.219 | 18.128 | 18.239 | VV | 2320       | 114131  | 0.62%  | 0.019% |
| 268 | 18.250 | 18.239 | 18.271 | VV | 1890       | 35554   | 0.19%  | 0.006% |
| 269 | 18.354 | 18.271 | 18.408 | VV | 8025       | 287259  | 1.57%  | 0.047% |
| 270 | 18.451 | 18.408 | 18.531 | VV | 4091       | 258361  | 1.41%  | 0.042% |
| 271 | 18.552 | 18.531 | 18.575 | VV | 4036       | 97513   | 0.53%  | 0.016% |
| 272 | 18.611 | 18.575 | 18.621 | VV | 4371       | 115414  | 0.63%  | 0.019% |
| 273 | 18.706 | 18.621 | 18.721 | VV | 6752       | 332167  | 1.81%  | 0.054% |
| 274 | 18.751 | 18.721 | 18.796 | VV | 9947       | 341238  | 1.86%  | 0.056% |
| 275 | 18.861 | 18.796 | 18.885 | VV | 6647       | 340864  | 1.86%  | 0.055% |
| 276 | 18.941 | 18.885 | 18.971 | VV | 8289       | 378842  | 2.07%  | 0.062% |
| 277 | 19.019 | 18.971 | 19.052 | VV | 7735       | 360310  | 1.97%  | 0.059% |
| 278 | 19.135 | 19.052 | 19.152 | VV | 11443      | 528030  | 2.88%  | 0.086% |
| 279 | 19.172 | 19.152 | 19.201 | VV | 11691      | 306524  | 1.67%  | 0.050% |
| 280 | 19.439 | 19.201 | 19.450 | VV | 13735      | 1669996 | 9.12%  | 0.272% |
| 281 | 19.513 | 19.450 | 19.541 | VV | 16662      | 818988  | 4.47%  | 0.133% |
| 282 | 19.560 | 19.541 | 19.576 | VV | 15741      | 332183  | 1.81%  | 0.054% |
| 283 | 19.693 | 19.576 | 19.708 | VV | 17660      | 1323297 | 7.23%  | 0.215% |
| 284 | 19.743 | 19.708 | 19.758 | VV | 19126      | 548934  | 3.00%  | 0.089% |
| 285 | 19.774 | 19.758 | 19.785 | VV | 19168      | 303931  | 1.66%  | 0.049% |
| 286 | 19.873 | 19.785 | 19.894 | VV | 22251      | 1324330 | 7.23%  | 0.216% |
| 287 | 19.916 | 19.894 | 19.931 | VV | 21620      | 478599  | 2.61%  | 0.078% |
| 288 | 20.021 | 19.931 | 20.054 | VV | 27129      | 1703343 | 9.30%  | 0.277% |
| 289 | 20.229 | 20.054 | 20.245 | VV | 29358      | 3029955 | 16.55% | 0.493% |
| 290 | 20.385 | 20.245 | 20.517 | VV | 33151      | 5128362 | 28.01% | 0.835% |
| 291 | 20.529 | 20.517 | 20.547 | VV | 31171      | 569900  | 3.11%  | 0.093% |
| 292 | 20.583 | 20.547 | 20.600 | VV | 32283      | 993664  | 5.43%  | 0.162% |
| 293 | 20.645 | 20.600 | 20.743 | VV | 32710      | 2766190 | 15.11% | 0.450% |
| 294 | 20.765 | 20.743 | 20.821 | VV | 31432      | 1461125 | 7.98%  | 0.238% |
| 295 | 20.882 | 20.821 | 20.928 | VV | 32437      | 2017860 | 11.02% | 0.328% |
| 296 | 20.974 | 20.928 | 21.008 | VV | 31683      | 1514279 | 8.27%  | 0.246% |
| 297 | 21.048 | 21.008 | 21.167 | VV | 31332      | 2868413 | 15.67% | 0.467% |
| 298 | 21.176 | 21.167 | 21.185 | VV | 28978      | 312726  | 1.71%  | 0.051% |
| 299 | 21.198 | 21.185 | 21.213 | VV | 28875      | 487200  | 2.66%  | 0.079% |

|     |        |        |        |     |                         |         |           |        |  |
|-----|--------|--------|--------|-----|-------------------------|---------|-----------|--------|--|
|     |        |        |        |     | rteres.txt              |         |           |        |  |
| 300 | 21.223 | 21.213 | 21.230 | VV  | 28829                   | 290998  | 1.59%     | 0.047% |  |
| 301 | 21.292 | 21.230 | 21.305 | VV  | 29852                   | 1325088 | 7.24%     | 0.216% |  |
| 302 | 21.355 | 21.305 | 21.371 | VV  | 30061                   | 1189227 | 6.49%     | 0.194% |  |
| 303 | 21.443 | 21.371 | 21.501 | VV  | 30154                   | 2325276 | 12.70%    | 0.379% |  |
| 304 | 21.523 | 21.501 | 21.551 | VBA | 29543                   | 936364  | 5.11%     | 0.152% |  |
|     |        |        |        |     | Sum of corrected areas: |         | 614315772 |        |  |

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