

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC112018AL\  
 Data File : FC037798.D  
 Signal(s) : FID1A.CH  
 Acq On : 21 Nov 2018 4:51  
 Sample : J5763-03DL 10X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 111318.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         | 3.031       | 3.002        | 3.047      | BV       | 155            | 2165         | 0.08%          | 0.009%        |
| 2         | 3.058       | 3.047        | 3.074      | PV       | 196            | 1549         | 0.06%          | 0.007%        |
| 3         | 3.101       | 3.074        | 3.111      | PV       | 233            | 3535         | 0.13%          | 0.015%        |
| 4         | 3.135       | 3.111        | 3.206      | VV       | 294            | 10489        | 0.39%          | 0.045%        |
| 5         | 3.211       | 3.206        | 3.234      | VV       | 264            | 2360         | 0.09%          | 0.010%        |
| 6         | 3.242       | 3.234        | 3.252      | VV       | 186            | 1412         | 0.05%          | 0.006%        |
| 7         | 3.263       | 3.252        | 3.299      | VV       | 176            | 3429         | 0.13%          | 0.015%        |
| 8         | 3.332       | 3.299        | 3.376      | VV       | 252            | 6502         | 0.24%          | 0.028%        |
| 9         | 3.389       | 3.376        | 3.418      | VV       | 213            | 3596         | 0.13%          | 0.015%        |
| 10        | 3.436       | 3.418        | 3.487      | VV       | 226            | 4955         | 0.19%          | 0.021%        |
| 11        | 3.500       | 3.487        | 3.519      | VV       | 237            | 2942         | 0.11%          | 0.013%        |
| 12        | 3.528       | 3.519        | 3.551      | VV       | 223            | 2866         | 0.11%          | 0.012%        |
| 13        | 3.567       | 3.551        | 3.602      | VV       | 241            | 4704         | 0.18%          | 0.020%        |
| 14        | 3.614       | 3.602        | 3.628      | VV       | 247            | 1960         | 0.07%          | 0.008%        |
| 15        | 3.639       | 3.628        | 3.684      | VV       | 189            | 4828         | 0.18%          | 0.021%        |
| 16        | 3.706       | 3.684        | 3.736      | VV       | 269            | 5582         | 0.21%          | 0.024%        |
| 17        | 3.743       | 3.736        | 3.757      | VV       | 196            | 1633         | 0.06%          | 0.007%        |
| 18        | 3.794       | 3.757        | 3.804      | VV       | 392            | 4712         | 0.18%          | 0.020%        |
| 19        | 3.830       | 3.804        | 3.846      | VV       | 232            | 4501         | 0.17%          | 0.019%        |
| 20        | 3.852       | 3.846        | 3.868      | VV       | 192            | 2604         | 0.10%          | 0.011%        |
| 21        | 3.886       | 3.868        | 3.936      | VV       | 335            | 7290         | 0.27%          | 0.031%        |
| 22        | 3.955       | 3.936        | 3.982      | VV       | 418            | 7471         | 0.28%          | 0.032%        |
| 23        | 3.998       | 3.982        | 4.022      | VV       | 231            | 5239         | 0.20%          | 0.022%        |
| 24        | 4.031       | 4.022        | 4.094      | VV       | 349            | 6989         | 0.26%          | 0.030%        |
| 25        | 4.103       | 4.094        | 4.123      | VV       | 235            | 2667         | 0.10%          | 0.011%        |
| 26        | 4.140       | 4.123        | 4.172      | VV       | 264            | 4618         | 0.17%          | 0.020%        |
| 27        | 4.192       | 4.172        | 4.217      | VV       | 970            | 11044        | 0.41%          | 0.047%        |
| 28        | 4.227       | 4.217        | 4.242      | VV       | 266            | 3072         | 0.11%          | 0.013%        |
| 29        | 4.258       | 4.242        | 4.274      | VV       | 218            | 2934         | 0.11%          | 0.013%        |
| 30        | 4.286       | 4.274        | 4.314      | VV       | 289            | 3618         | 0.14%          | 0.015%        |
| 31        | 4.353       | 4.314        | 4.371      | PV       | 301            | 5521         | 0.21%          | 0.024%        |
| 32        | 4.390       | 4.371        | 4.426      | VV       | 289            | 5236         | 0.20%          | 0.022%        |
| 33        | 4.445       | 4.426        | 4.484      | VV       | 416            | 7657         | 0.29%          | 0.033%        |
| 34        | 4.494       | 4.484        | 4.543      | VV       | 250            | 5394         | 0.20%          | 0.023%        |
| 35        | 4.564       | 4.543        | 4.574      | VV       | 266            | 2824         | 0.11%          | 0.012%        |
| 36        | 4.581       | 4.574        | 4.592      | VV       | 300            | 1857         | 0.07%          | 0.008%        |

|    |       |       |       |    |            |       |       |        |  |
|----|-------|-------|-------|----|------------|-------|-------|--------|--|
|    |       |       |       |    | rteres.txt |       |       |        |  |
| 37 | 4.605 | 4.592 | 4.626 | VV | 265        | 3868  | 0.14% | 0.016% |  |
| 38 | 4.648 | 4.626 | 4.693 | VV | 394        | 7584  | 0.28% | 0.032% |  |
| 39 | 4.710 | 4.693 | 4.729 | VV | 322        | 3169  | 0.12% | 0.014% |  |
| 40 | 4.750 | 4.729 | 4.766 | VV | 106        | 1964  | 0.07% | 0.008% |  |
| 41 | 4.797 | 4.766 | 4.806 | VV | 324        | 3935  | 0.15% | 0.017% |  |
| 42 | 4.827 | 4.806 | 4.852 | VV | 545        | 9096  | 0.34% | 0.039% |  |
| 43 | 4.869 | 4.852 | 4.888 | VV | 543        | 6892  | 0.26% | 0.029% |  |
| 44 | 4.902 | 4.888 | 4.917 | VV | 350        | 4046  | 0.15% | 0.017% |  |
| 45 | 4.930 | 4.917 | 4.963 | VV | 378        | 6118  | 0.23% | 0.026% |  |
| 46 | 5.001 | 4.963 | 5.033 | PV | 209        | 5831  | 0.22% | 0.025% |  |
| 47 | 5.043 | 5.033 | 5.052 | VV | 195        | 1915  | 0.07% | 0.008% |  |
| 48 | 5.076 | 5.052 | 5.099 | VV | 298        | 6238  | 0.23% | 0.027% |  |
| 49 | 5.109 | 5.099 | 5.155 | VV | 424        | 6573  | 0.25% | 0.028% |  |
| 50 | 5.166 | 5.155 | 5.206 | VV | 162        | 4405  | 0.16% | 0.019% |  |
| 51 | 5.224 | 5.206 | 5.297 | VV | 2199       | 34895 | 1.31% | 0.149% |  |
| 52 | 5.319 | 5.297 | 5.377 | VV | 316        | 8159  | 0.31% | 0.035% |  |
| 53 | 5.394 | 5.377 | 5.425 | VV | 542        | 9161  | 0.34% | 0.039% |  |
| 54 | 5.432 | 5.425 | 5.461 | VV | 252        | 3462  | 0.13% | 0.015% |  |
| 55 | 5.470 | 5.461 | 5.482 | VV | 308        | 2827  | 0.11% | 0.012% |  |
| 56 | 5.510 | 5.482 | 5.542 | VV | 630        | 13961 | 0.52% | 0.060% |  |
| 57 | 5.588 | 5.542 | 5.611 | VV | 514        | 12420 | 0.46% | 0.053% |  |
| 58 | 5.627 | 5.611 | 5.656 | VV | 311        | 5624  | 0.21% | 0.024% |  |
| 59 | 5.673 | 5.656 | 5.695 | VV | 448        | 5943  | 0.22% | 0.025% |  |
| 60 | 5.723 | 5.695 | 5.740 | VV | 479        | 6975  | 0.26% | 0.030% |  |
| 61 | 5.775 | 5.740 | 5.804 | VV | 509        | 12685 | 0.47% | 0.054% |  |
| 62 | 5.814 | 5.804 | 5.837 | VV | 528        | 6828  | 0.26% | 0.029% |  |
| 63 | 5.859 | 5.837 | 5.884 | VV | 659        | 10138 | 0.38% | 0.043% |  |
| 64 | 5.900 | 5.884 | 5.909 | VV | 540        | 6861  | 0.26% | 0.029% |  |
| 65 | 5.923 | 5.909 | 5.960 | VV | 819        | 14961 | 0.56% | 0.064% |  |
| 66 | 5.978 | 5.960 | 5.991 | VV | 351        | 4797  | 0.18% | 0.020% |  |
| 67 | 6.026 | 5.991 | 6.066 | VV | 342        | 10089 | 0.38% | 0.043% |  |
| 68 | 6.078 | 6.066 | 6.100 | VV | 286        | 4496  | 0.17% | 0.019% |  |
| 69 | 6.125 | 6.100 | 6.154 | VV | 700        | 10991 | 0.41% | 0.047% |  |
| 70 | 6.163 | 6.154 | 6.178 | VV | 264        | 2355  | 0.09% | 0.010% |  |
| 71 | 6.200 | 6.178 | 6.242 | VV | 2841       | 34151 | 1.28% | 0.146% |  |
| 72 | 6.310 | 6.242 | 6.327 | PV | 307        | 8857  | 0.33% | 0.038% |  |
| 73 | 6.346 | 6.327 | 6.371 | VV | 1189       | 14156 | 0.53% | 0.060% |  |
| 74 | 6.385 | 6.371 | 6.404 | VV | 364        | 5347  | 0.20% | 0.023% |  |
| 75 | 6.417 | 6.404 | 6.431 | VV | 292        | 3314  | 0.12% | 0.014% |  |
| 76 | 6.441 | 6.431 | 6.457 | VV | 309        | 2906  | 0.11% | 0.012% |  |
| 77 | 6.469 | 6.457 | 6.489 | VV | 620        | 6882  | 0.26% | 0.029% |  |
| 78 | 6.510 | 6.489 | 6.536 | VV | 419        | 7147  | 0.27% | 0.030% |  |
| 79 | 6.544 | 6.536 | 6.562 | VV | 376        | 4123  | 0.15% | 0.018% |  |
| 80 | 6.586 | 6.562 | 6.644 | VV | 1612       | 22449 | 0.84% | 0.096% |  |
| 81 | 6.705 | 6.644 | 6.730 | VV | 785        | 18845 | 0.70% | 0.080% |  |
| 82 | 6.752 | 6.730 | 6.777 | VV | 1016       | 13991 | 0.52% | 0.060% |  |
| 83 | 6.807 | 6.777 | 6.842 | VV | 1131       | 23200 | 0.87% | 0.099% |  |
| 84 | 6.854 | 6.842 | 6.871 | VV | 816        | 7663  | 0.29% | 0.033% |  |
| 85 | 6.895 | 6.871 | 6.927 | VV | 1090       | 17354 | 0.65% | 0.074% |  |
| 86 | 6.950 | 6.927 | 6.973 | VV | 566        | 8301  | 0.31% | 0.035% |  |
| 87 | 6.990 | 6.973 | 7.014 | VV | 452        | 5740  | 0.21% | 0.024% |  |
| 88 | 7.088 | 7.014 | 7.099 | VV | 1391       | 22343 | 0.84% | 0.095% |  |
| 89 | 7.117 | 7.099 | 7.142 | VV | 4419       | 50478 | 1.89% | 0.215% |  |

|     |       |       |       |    |            |        |        |        |
|-----|-------|-------|-------|----|------------|--------|--------|--------|
|     |       |       |       |    | rteres.txt |        |        |        |
| 90  | 7.149 | 7.142 | 7.222 | VV | 561        | 18383  | 0.69%  | 0.078% |
| 91  | 7.284 | 7.222 | 7.316 | VV | 1130       | 29296  | 1.10%  | 0.125% |
| 92  | 7.333 | 7.316 | 7.357 | VV | 665        | 9450   | 0.35%  | 0.040% |
| 93  | 7.373 | 7.357 | 7.391 | VV | 642        | 8810   | 0.33%  | 0.038% |
| 94  | 7.417 | 7.391 | 7.462 | VV | 43045      | 511806 | 19.15% | 2.182% |
| 95  | 7.473 | 7.462 | 7.492 | VV | 2625       | 44136  | 1.65%  | 0.188% |
| 96  | 7.530 | 7.492 | 7.559 | VV | 3390       | 100398 | 3.76%  | 0.428% |
| 97  | 7.566 | 7.559 | 7.610 | VV | 1554       | 34405  | 1.29%  | 0.147% |
| 98  | 7.632 | 7.610 | 7.661 | VV | 1076       | 23626  | 0.88%  | 0.101% |
| 99  | 7.678 | 7.661 | 7.694 | VV | 1295       | 18301  | 0.68%  | 0.078% |
| 100 | 7.706 | 7.694 | 7.718 | VV | 1227       | 13917  | 0.52%  | 0.059% |
| 101 | 7.731 | 7.718 | 7.755 | VV | 1389       | 19154  | 0.72%  | 0.082% |
| 102 | 7.802 | 7.755 | 7.831 | VV | 1748       | 34473  | 1.29%  | 0.147% |
| 103 | 7.848 | 7.831 | 7.864 | VV | 578        | 9547   | 0.36%  | 0.041% |
| 104 | 7.890 | 7.864 | 7.912 | VV | 947        | 21042  | 0.79%  | 0.090% |
| 105 | 7.951 | 7.912 | 7.960 | VV | 934        | 21520  | 0.81%  | 0.092% |
| 106 | 7.981 | 7.960 | 8.017 | VV | 4849       | 63809  | 2.39%  | 0.272% |
| 107 | 8.041 | 8.017 | 8.061 | VV | 1106       | 19569  | 0.73%  | 0.083% |
| 108 | 8.073 | 8.061 | 8.090 | VV | 889        | 11263  | 0.42%  | 0.048% |
| 109 | 8.128 | 8.090 | 8.144 | VV | 908        | 18014  | 0.67%  | 0.077% |
| 110 | 8.156 | 8.144 | 8.166 | VV | 651        | 6524   | 0.24%  | 0.028% |
| 111 | 8.188 | 8.166 | 8.237 | VV | 838        | 18994  | 0.71%  | 0.081% |
| 112 | 8.273 | 8.237 | 8.376 | VV | 19428      | 351844 | 13.16% | 1.500% |
| 113 | 8.394 | 8.376 | 8.413 | VV | 1462       | 30473  | 1.14%  | 0.130% |
| 114 | 8.425 | 8.413 | 8.453 | VV | 1375       | 27013  | 1.01%  | 0.115% |
| 115 | 8.470 | 8.453 | 8.494 | VV | 1231       | 24638  | 0.92%  | 0.105% |
| 116 | 8.513 | 8.494 | 8.539 | VV | 2277       | 34277  | 1.28%  | 0.146% |
| 117 | 8.565 | 8.539 | 8.591 | VV | 972        | 21473  | 0.80%  | 0.092% |
| 118 | 8.611 | 8.591 | 8.640 | VV | 661        | 16884  | 0.63%  | 0.072% |
| 119 | 8.653 | 8.640 | 8.670 | VV | 590        | 9702   | 0.36%  | 0.041% |
| 120 | 8.687 | 8.670 | 8.707 | VV | 762        | 13125  | 0.49%  | 0.056% |
| 121 | 8.723 | 8.707 | 8.754 | VV | 709        | 16281  | 0.61%  | 0.069% |
| 122 | 8.798 | 8.754 | 8.859 | VV | 4782       | 83265  | 3.11%  | 0.355% |
| 123 | 8.880 | 8.859 | 8.900 | VV | 823        | 14184  | 0.53%  | 0.060% |
| 124 | 8.931 | 8.900 | 8.946 | VV | 778        | 16133  | 0.60%  | 0.069% |
| 125 | 8.986 | 8.946 | 9.049 | VV | 4539       | 101870 | 3.81%  | 0.434% |
| 126 | 9.069 | 9.049 | 9.104 | VV | 671        | 15575  | 0.58%  | 0.066% |
| 127 | 9.120 | 9.104 | 9.134 | VV | 442        | 6185   | 0.23%  | 0.026% |
| 128 | 9.167 | 9.134 | 9.202 | VV | 1086       | 26523  | 0.99%  | 0.113% |
| 129 | 9.222 | 9.202 | 9.237 | VV | 759        | 13880  | 0.52%  | 0.059% |
| 130 | 9.252 | 9.237 | 9.276 | VV | 884        | 14543  | 0.54%  | 0.062% |
| 131 | 9.298 | 9.276 | 9.316 | VV | 849        | 13420  | 0.50%  | 0.057% |
| 132 | 9.350 | 9.316 | 9.376 | VV | 884        | 20195  | 0.76%  | 0.086% |
| 133 | 9.389 | 9.376 | 9.414 | VV | 310        | 6417   | 0.24%  | 0.027% |
| 134 | 9.421 | 9.414 | 9.432 | VV | 256        | 2711   | 0.10%  | 0.012% |
| 135 | 9.445 | 9.432 | 9.459 | VV | 288        | 4460   | 0.17%  | 0.019% |
| 136 | 9.483 | 9.459 | 9.497 | VV | 443        | 8077   | 0.30%  | 0.034% |
| 137 | 9.521 | 9.497 | 9.542 | VV | 703        | 13992  | 0.52%  | 0.060% |
| 138 | 9.572 | 9.542 | 9.621 | VV | 4434       | 65415  | 2.45%  | 0.279% |
| 139 | 9.642 | 9.621 | 9.653 | VV | 501        | 7867   | 0.29%  | 0.034% |
| 140 | 9.666 | 9.653 | 9.710 | VV | 425        | 9821   | 0.37%  | 0.042% |
| 141 | 9.730 | 9.710 | 9.762 | VV | 347        | 6749   | 0.25%  | 0.029% |

| rteres.txt |        |        |        |    |        |         |         |         |
|------------|--------|--------|--------|----|--------|---------|---------|---------|
| 142        | 9.793  | 9.762  | 9.829  | VV | 246    | 6392    | 0.24%   | 0.027%  |
| 143        | 9.919  | 9.829  | 9.927  | VV | 540    | 16005   | 0.60%   | 0.068%  |
| 144        | 9.955  | 9.927  | 9.981  | VV | 1746   | 31451   | 1.18%   | 0.134%  |
| 145        | 10.006 | 9.981  | 10.024 | VV | 759    | 13500   | 0.50%   | 0.058%  |
| 146        | 10.051 | 10.024 | 10.079 | VV | 875    | 17913   | 0.67%   | 0.076%  |
| 147        | 10.097 | 10.079 | 10.121 | VV | 825    | 11917   | 0.45%   | 0.051%  |
| 148        | 10.139 | 10.121 | 10.170 | VV | 417    | 9078    | 0.34%   | 0.039%  |
| 149        | 10.189 | 10.170 | 10.216 | VV | 459    | 8949    | 0.33%   | 0.038%  |
| 150        | 10.232 | 10.216 | 10.249 | VV | 509    | 8095    | 0.30%   | 0.035%  |
| 151        | 10.304 | 10.249 | 10.339 | VV | 4633   | 87594   | 3.28%   | 0.373%  |
| 152        | 10.378 | 10.339 | 10.463 | VV | 1941   | 51539   | 1.93%   | 0.220%  |
| 153        | 10.485 | 10.463 | 10.503 | PV | 372    | 5174    | 0.19%   | 0.022%  |
| 154        | 10.558 | 10.503 | 10.596 | VV | 816    | 27372   | 1.02%   | 0.117%  |
| 155        | 10.626 | 10.596 | 10.660 | VV | 867    | 22304   | 0.83%   | 0.095%  |
| 156        | 10.687 | 10.660 | 10.737 | VV | 812    | 24964   | 0.93%   | 0.106%  |
| 157        | 10.756 | 10.737 | 10.789 | VV | 630    | 12343   | 0.46%   | 0.053%  |
| 158        | 10.807 | 10.789 | 10.829 | VV | 537    | 7891    | 0.30%   | 0.034%  |
| 159        | 10.853 | 10.829 | 10.874 | VV | 346    | 6804    | 0.25%   | 0.029%  |
| 160        | 10.931 | 10.874 | 10.964 | VV | 407    | 14577   | 0.55%   | 0.062%  |
| 161        | 11.004 | 10.964 | 11.039 | VV | 3835   | 55638   | 2.08%   | 0.237%  |
| 162        | 11.053 | 11.039 | 11.065 | VV | 517    | 6216    | 0.23%   | 0.026%  |
| 163        | 11.094 | 11.065 | 11.166 | VV | 1477   | 28553   | 1.07%   | 0.122%  |
| 164        | 11.196 | 11.166 | 11.216 | PV | 321    | 5298    | 0.20%   | 0.023%  |
| 165        | 11.222 | 11.216 | 11.247 | VV | 183    | 2315    | 0.09%   | 0.010%  |
| 166        | 11.302 | 11.247 | 11.347 | VV | 33048  | 365908  | 13.69%  | 1.560%  |
| 167        | 11.415 | 11.347 | 11.465 | VV | 823    | 38975   | 1.46%   | 0.166%  |
| 168        | 11.480 | 11.465 | 11.502 | VV | 666    | 9885    | 0.37%   | 0.042%  |
| 169        | 11.525 | 11.502 | 11.535 | VV | 324    | 3845    | 0.14%   | 0.016%  |
| 170        | 11.557 | 11.535 | 11.587 | VV | 372    | 7011    | 0.26%   | 0.030%  |
| 171        | 11.670 | 11.587 | 11.694 | VV | 3395   | 51112   | 1.91%   | 0.218%  |
| 172        | 11.722 | 11.694 | 11.831 | VV | 38310  | 475091  | 17.77%  | 2.025%  |
| 173        | 11.867 | 11.831 | 11.901 | VV | 410    | 9940    | 0.37%   | 0.042%  |
| 174        | 11.926 | 11.901 | 11.989 | VV | 1925   | 49339   | 1.85%   | 0.210%  |
| 175        | 12.006 | 11.989 | 12.034 | VV | 716    | 14049   | 0.53%   | 0.060%  |
| 176        | 12.048 | 12.034 | 12.061 | VV | 483    | 7086    | 0.27%   | 0.030%  |
| 177        | 12.080 | 12.061 | 12.107 | VV | 580    | 10593   | 0.40%   | 0.045%  |
| 178        | 12.132 | 12.107 | 12.169 | VV | 451    | 11229   | 0.42%   | 0.048%  |
| 179        | 12.187 | 12.169 | 12.201 | VV | 449    | 4862    | 0.18%   | 0.021%  |
| 180        | 12.235 | 12.201 | 12.279 | VV | 515    | 14923   | 0.56%   | 0.064%  |
| 181        | 12.305 | 12.279 | 12.327 | VV | 3036   | 40604   | 1.52%   | 0.173%  |
| 182        | 12.345 | 12.327 | 12.409 | VV | 1859   | 37488   | 1.40%   | 0.160%  |
| 183        | 12.431 | 12.409 | 12.456 | VV | 548    | 9495    | 0.36%   | 0.040%  |
| 184        | 12.463 | 12.456 | 12.487 | VV | 143    | 2113    | 0.08%   | 0.009%  |
| 185        | 12.531 | 12.512 | 12.538 | PV | 147    | 1563    | 0.06%   | 0.007%  |
| 186        | 12.596 | 12.538 | 12.616 | VV | 360    | 10307   | 0.39%   | 0.044%  |
| 187        | 12.637 | 12.616 | 12.682 | VV | 1599   | 28459   | 1.06%   | 0.121%  |
| 188        | 12.732 | 12.682 | 12.768 | VV | 187587 | 2673235 | 100.00% | 11.395% |
| 189        | 12.788 | 12.768 | 12.812 | VV | 83197  | 1018714 | 38.11%  | 4.343%  |
| 190        | 12.821 | 12.812 | 12.891 | VV | 7787   | 117638  | 4.40%   | 0.501%  |
| 191        | 12.916 | 12.891 | 12.941 | VV | 2738   | 42324   | 1.58%   | 0.180%  |
| 192        | 12.969 | 12.941 | 13.042 | VV | 16105  | 218384  | 8.17%   | 0.931%  |
| 193        | 13.060 | 13.042 | 13.084 | VV | 595    | 10969   | 0.41%   | 0.047%  |
| 194        | 13.105 | 13.084 | 13.121 | VV | 405    | 6692    | 0.25%   | 0.029%  |

|     |        |        |        |    |            |       |       |        |
|-----|--------|--------|--------|----|------------|-------|-------|--------|
|     |        |        |        |    | rteres.txt |       |       |        |
| 195 | 13.162 | 13.121 | 13.210 | VV | 730        | 25238 | 0.94% | 0.108% |
| 196 | 13.232 | 13.210 | 13.243 | VV | 424        | 7385  | 0.28% | 0.031% |
| 197 | 13.264 | 13.243 | 13.309 | VV | 1260       | 23492 | 0.88% | 0.100% |
| 198 | 13.369 | 13.309 | 13.386 | VV | 796        | 19178 | 0.72% | 0.082% |
| 199 | 13.407 | 13.386 | 13.438 | VV | 518        | 10085 | 0.38% | 0.043% |
| 200 | 13.451 | 13.438 | 13.461 | VV | 143        | 1702  | 0.06% | 0.007% |
| 201 | 13.500 | 13.461 | 13.526 | VV | 2174       | 34036 | 1.27% | 0.145% |
| 202 | 13.546 | 13.526 | 13.567 | VV | 574        | 8166  | 0.31% | 0.035% |
| 203 | 13.609 | 13.567 | 13.630 | VV | 408        | 9736  | 0.36% | 0.042% |
| 204 | 13.640 | 13.630 | 13.662 | VV | 216        | 1743  | 0.07% | 0.007% |
| 205 | 13.716 | 13.662 | 13.724 | PV | 294        | 4637  | 0.17% | 0.020% |
| 206 | 13.754 | 13.724 | 13.770 | VV | 934        | 15825 | 0.59% | 0.067% |
| 207 | 13.784 | 13.770 | 13.822 | VV | 683        | 16218 | 0.61% | 0.069% |
| 208 | 13.839 | 13.822 | 13.856 | VV | 449        | 7284  | 0.27% | 0.031% |
| 209 | 13.883 | 13.856 | 13.892 | VV | 632        | 11558 | 0.43% | 0.049% |
| 210 | 13.905 | 13.892 | 13.927 | VV | 808        | 12198 | 0.46% | 0.052% |
| 211 | 13.947 | 13.927 | 13.969 | VV | 1149       | 19355 | 0.72% | 0.083% |
| 212 | 13.982 | 13.969 | 14.023 | VV | 887        | 16635 | 0.62% | 0.071% |
| 213 | 14.058 | 14.023 | 14.094 | VV | 2242       | 39815 | 1.49% | 0.170% |
| 214 | 14.117 | 14.094 | 14.141 | VV | 1875       | 28603 | 1.07% | 0.122% |
| 215 | 14.152 | 14.141 | 14.164 | VV | 669        | 6974  | 0.26% | 0.030% |
| 216 | 14.175 | 14.164 | 14.187 | VV | 530        | 6287  | 0.24% | 0.027% |
| 217 | 14.215 | 14.187 | 14.247 | VV | 797        | 19517 | 0.73% | 0.083% |
| 218 | 14.285 | 14.247 | 14.300 | VV | 437        | 10814 | 0.40% | 0.046% |
| 219 | 14.315 | 14.300 | 14.329 | VV | 514        | 5861  | 0.22% | 0.025% |
| 220 | 14.342 | 14.329 | 14.376 | VV | 383        | 4773  | 0.18% | 0.020% |
| 221 | 14.446 | 14.376 | 14.466 | PV | 322        | 8968  | 0.34% | 0.038% |
| 222 | 14.523 | 14.466 | 14.534 | VV | 505        | 12476 | 0.47% | 0.053% |
| 223 | 14.558 | 14.534 | 14.573 | VV | 840        | 13798 | 0.52% | 0.059% |
| 224 | 14.596 | 14.573 | 14.624 | VV | 2481       | 36235 | 1.36% | 0.154% |
| 225 | 14.648 | 14.624 | 14.682 | VV | 510        | 12094 | 0.45% | 0.052% |
| 226 | 14.703 | 14.682 | 14.717 | VV | 443        | 5040  | 0.19% | 0.021% |
| 227 | 14.734 | 14.717 | 14.764 | PV | 351        | 5322  | 0.20% | 0.023% |
| 228 | 14.791 | 14.764 | 14.807 | PV | 365        | 4668  | 0.17% | 0.020% |
| 229 | 14.837 | 14.807 | 14.859 | VV | 253        | 4356  | 0.16% | 0.019% |
| 230 | 14.889 | 14.859 | 14.897 | PV | 237        | 4240  | 0.16% | 0.018% |
| 231 | 14.911 | 14.897 | 14.921 | VV | 161        | 1711  | 0.06% | 0.007% |
| 232 | 15.011 | 14.921 | 15.054 | PV | 962        | 34971 | 1.31% | 0.149% |
| 233 | 15.114 | 15.054 | 15.144 | VV | 1831       | 32541 | 1.22% | 0.139% |
| 234 | 15.174 | 15.144 | 15.201 | VV | 1406       | 26463 | 0.99% | 0.113% |
| 235 | 15.222 | 15.201 | 15.252 | VV | 508        | 9405  | 0.35% | 0.040% |
| 236 | 15.303 | 15.252 | 15.311 | PV | 364        | 7826  | 0.29% | 0.033% |
| 237 | 15.429 | 15.311 | 15.467 | VV | 560        | 35127 | 1.31% | 0.150% |
| 238 | 15.493 | 15.467 | 15.521 | VV | 604        | 15577 | 0.58% | 0.066% |
| 239 | 15.534 | 15.521 | 15.546 | VV | 586        | 5613  | 0.21% | 0.024% |
| 240 | 15.612 | 15.546 | 15.639 | VV | 2721       | 48519 | 1.82% | 0.207% |
| 241 | 15.646 | 15.639 | 15.656 | VV | 679        | 4889  | 0.18% | 0.021% |
| 242 | 15.676 | 15.656 | 15.693 | VV | 648        | 8369  | 0.31% | 0.036% |
| 243 | 15.719 | 15.693 | 15.729 | VV | 386        | 5107  | 0.19% | 0.022% |
| 244 | 15.786 | 15.729 | 15.809 | PV | 886        | 30354 | 1.14% | 0.129% |
| 245 | 15.816 | 15.809 | 15.826 | VV | 784        | 6489  | 0.24% | 0.028% |
| 246 | 15.844 | 15.826 | 15.862 | VV | 695        | 12562 | 0.47% | 0.054% |

| rteres.txt |        |        |        |    |      |        |        |        |
|------------|--------|--------|--------|----|------|--------|--------|--------|
| 247        | 15.882 | 15.862 | 15.906 | VV | 582  | 10486  | 0.39%  | 0.045% |
| 248        | 15.921 | 15.906 | 15.949 | VV | 674  | 9066   | 0.34%  | 0.039% |
| 249        | 15.975 | 15.949 | 16.009 | VV | 624  | 12421  | 0.46%  | 0.053% |
| 250        | 16.093 | 16.009 | 16.127 | PV | 2548 | 52913  | 1.98%  | 0.226% |
| 251        | 16.163 | 16.127 | 16.179 | VV | 869  | 20353  | 0.76%  | 0.087% |
| 252        | 16.275 | 16.179 | 16.295 | VV | 726  | 42049  | 1.57%  | 0.179% |
| 253        | 16.315 | 16.295 | 16.326 | VV | 428  | 6730   | 0.25%  | 0.029% |
| 254        | 16.353 | 16.326 | 16.361 | VV | 672  | 9534   | 0.36%  | 0.041% |
| 255        | 16.395 | 16.361 | 16.417 | VV | 1319 | 30296  | 1.13%  | 0.129% |
| 256        | 16.439 | 16.417 | 16.491 | VV | 2319 | 52964  | 1.98%  | 0.226% |
| 257        | 16.557 | 16.491 | 16.582 | VV | 3433 | 64050  | 2.40%  | 0.273% |
| 258        | 16.595 | 16.582 | 16.619 | VV | 1188 | 14513  | 0.54%  | 0.062% |
| 259        | 16.642 | 16.619 | 16.652 | VV | 386  | 4641   | 0.17%  | 0.020% |
| 260        | 16.697 | 16.652 | 16.716 | PV | 547  | 9133   | 0.34%  | 0.039% |
| 261        | 16.765 | 16.716 | 16.777 | VV | 806  | 17257  | 0.65%  | 0.074% |
| 262        | 16.848 | 16.777 | 16.872 | VV | 1234 | 35399  | 1.32%  | 0.151% |
| 263        | 16.891 | 16.872 | 16.902 | VV | 733  | 10087  | 0.38%  | 0.043% |
| 264        | 16.934 | 16.902 | 16.956 | VV | 1514 | 32374  | 1.21%  | 0.138% |
| 265        | 17.008 | 16.956 | 17.031 | VV | 4005 | 72211  | 2.70%  | 0.308% |
| 266        | 17.050 | 17.031 | 17.060 | VV | 1077 | 16593  | 0.62%  | 0.071% |
| 267        | 17.109 | 17.060 | 17.126 | VV | 1599 | 45282  | 1.69%  | 0.193% |
| 268        | 17.161 | 17.126 | 17.182 | VV | 1298 | 29270  | 1.09%  | 0.125% |
| 269        | 17.199 | 17.182 | 17.216 | PV | 562  | 7654   | 0.29%  | 0.033% |
| 270        | 17.271 | 17.216 | 17.281 | VV | 425  | 10648  | 0.40%  | 0.045% |
| 271        | 17.349 | 17.281 | 17.361 | PV | 1038 | 26305  | 0.98%  | 0.112% |
| 272        | 17.444 | 17.361 | 17.472 | VV | 4063 | 108972 | 4.08%  | 0.465% |
| 273        | 17.509 | 17.472 | 17.517 | VV | 1598 | 33307  | 1.25%  | 0.142% |
| 274        | 17.550 | 17.517 | 17.570 | VV | 4672 | 93885  | 3.51%  | 0.400% |
| 275        | 17.581 | 17.570 | 17.599 | VV | 2746 | 42336  | 1.58%  | 0.180% |
| 276        | 17.606 | 17.599 | 17.617 | VV | 2241 | 23036  | 0.86%  | 0.098% |
| 277        | 17.738 | 17.617 | 17.752 | VV | 3275 | 202986 | 7.59%  | 0.865% |
| 278        | 17.789 | 17.752 | 17.801 | VV | 2604 | 72386  | 2.71%  | 0.309% |
| 279        | 17.825 | 17.801 | 17.837 | VV | 2351 | 47306  | 1.77%  | 0.202% |
| 280        | 17.863 | 17.837 | 17.889 | VV | 5130 | 100197 | 3.75%  | 0.427% |
| 281        | 17.916 | 17.889 | 17.941 | VV | 3225 | 67986  | 2.54%  | 0.290% |
| 282        | 17.951 | 17.941 | 17.970 | VV | 1313 | 18474  | 0.69%  | 0.079% |
| 283        | 17.991 | 17.970 | 18.027 | VV | 1129 | 20304  | 0.76%  | 0.087% |
| 284        | 18.082 | 18.027 | 18.102 | PV | 918  | 23757  | 0.89%  | 0.101% |
| 285        | 18.126 | 18.102 | 18.136 | VV | 1524 | 18859  | 0.71%  | 0.080% |
| 286        | 18.273 | 18.136 | 18.297 | VV | 7060 | 288835 | 10.80% | 1.231% |
| 287        | 18.343 | 18.297 | 18.364 | VV | 5302 | 161797 | 6.05%  | 0.690% |
| 288        | 18.388 | 18.364 | 18.417 | VV | 5276 | 137343 | 5.14%  | 0.585% |
| 289        | 18.425 | 18.417 | 18.447 | VV | 3635 | 55737  | 2.09%  | 0.238% |
| 290        | 18.517 | 18.447 | 18.562 | VV | 2724 | 132502 | 4.96%  | 0.565% |
| 291        | 18.603 | 18.562 | 18.613 | PV | 1361 | 28525  | 1.07%  | 0.122% |
| 292        | 18.636 | 18.613 | 18.644 | VV | 1515 | 21613  | 0.81%  | 0.092% |
| 293        | 18.670 | 18.644 | 18.700 | VV | 4936 | 81111  | 3.03%  | 0.346% |
| 294        | 18.767 | 18.700 | 18.794 | VV | 3267 | 99531  | 3.72%  | 0.424% |
| 295        | 18.840 | 18.794 | 18.866 | VV | 3774 | 104784 | 3.92%  | 0.447% |
| 296        | 18.891 | 18.866 | 18.906 | VV | 3236 | 62700  | 2.35%  | 0.267% |
| 297        | 18.993 | 18.906 | 19.017 | VV | 3202 | 147729 | 5.53%  | 0.630% |
| 298        | 19.051 | 19.017 | 19.072 | VV | 7159 | 148803 | 5.57%  | 0.634% |
| 299        | 19.136 | 19.072 | 19.143 | VV | 6196 | 218522 | 8.17%  | 0.932% |

|     |        |        |        |    |                         |         |          |        |
|-----|--------|--------|--------|----|-------------------------|---------|----------|--------|
|     |        |        |        |    | rteres.txt              |         |          |        |
| 300 | 19.189 | 19.143 | 19.199 | VV | 6931                    | 220007  | 8.23%    | 0.938% |
| 301 | 19.269 | 19.199 | 19.282 | VV | 10493                   | 427539  | 15.99%   | 1.822% |
| 302 | 19.296 | 19.282 | 19.316 | VV | 10388                   | 195311  | 7.31%    | 0.833% |
| 303 | 19.375 | 19.316 | 19.394 | VV | 11835                   | 467962  | 17.51%   | 1.995% |
| 304 | 19.433 | 19.394 | 19.476 | VV | 14122                   | 581968  | 21.77%   | 2.481% |
| 305 | 19.560 | 19.476 | 19.571 | VV | 17336                   | 800084  | 29.93%   | 3.411% |
| 306 | 19.630 | 19.571 | 19.641 | VV | 20463                   | 784793  | 29.36%   | 3.345% |
| 307 | 19.668 | 19.641 | 19.734 | VV | 21456                   | 1023074 | 38.27%   | 4.361% |
| 308 | 19.755 | 19.734 | 19.771 | VV | 15286                   | 317486  | 11.88%   | 1.353% |
| 309 | 19.790 | 19.771 | 19.802 | VV | 15838                   | 273590  | 10.23%   | 1.166% |
| 310 | 19.845 | 19.802 | 19.853 | VV | 16272                   | 470553  | 17.60%   | 2.006% |
| 311 | 19.969 | 19.853 | 19.986 | VV | 25290                   | 1749918 | 65.46%   | 7.459% |
| 312 | 20.009 | 19.986 | 20.067 | VV | 26084                   | 1074241 | 40.19%   | 4.579% |
| 313 | 20.076 | 20.067 | 20.098 | VV | 17792                   | 305065  | 11.41%   | 1.300% |
| 314 | 20.133 | 20.098 | 20.145 | VV | 19754                   | 486780  | 18.21%   | 2.075% |
| 315 | 20.207 | 20.145 | 20.219 | VV | 24121                   | 939149  | 35.13%   | 4.003% |
| 316 | 20.255 | 20.219 | 20.270 | VV | 30360                   | 852797  | 31.90%   | 3.635% |
|     |        |        |        |    | Sum of corrected areas: |         | 23459104 |        |

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