

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102418AL\  
 Data File : FC037083.D  
 Signal(s) : FID1A.CH  
 Acq On : 25 Oct 2018 3:55  
 Sample : J5198-21  
 Misc :  
 ALS Vial : 23 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         | 3.293       | 3.249        | 3.308      | BV       | 143            | 1147         | 0.03%          | 0.002%        |
| 2         | 3.337       | 3.329        | 3.361      | PV       | 115            | 1330         | 0.04%          | 0.003%        |
| 3         | 3.378       | 3.361        | 3.417      | VV       | 174            | 2822         | 0.08%          | 0.006%        |
| 4         | 3.441       | 3.417        | 3.459      | VV       | 163            | 2861         | 0.08%          | 0.006%        |
| 5         | 3.472       | 3.459        | 3.532      | VV       | 360            | 5601         | 0.15%          | 0.012%        |
| 6         | 3.552       | 3.532        | 3.592      | PV       | 287            | 5784         | 0.16%          | 0.012%        |
| 7         | 3.665       | 3.592        | 3.677      | VV       | 358            | 8432         | 0.23%          | 0.017%        |
| 8         | 3.687       | 3.677        | 3.721      | VV       | 210            | 4582         | 0.12%          | 0.009%        |
| 9         | 3.748       | 3.721        | 3.799      | VV       | 227            | 8148         | 0.22%          | 0.017%        |
| 10        | 3.812       | 3.799        | 3.824      | VV       | 204            | 2183         | 0.06%          | 0.005%        |
| 11        | 3.843       | 3.824        | 3.926      | VV       | 11678          | 175554       | 4.78%          | 0.362%        |
| 12        | 3.932       | 3.926        | 3.969      | VV       | 907            | 16425        | 0.45%          | 0.034%        |
| 13        | 4.002       | 3.969        | 4.029      | VV       | 712            | 19607        | 0.53%          | 0.040%        |
| 14        | 4.040       | 4.029        | 4.112      | VV       | 559            | 19892        | 0.54%          | 0.041%        |
| 15        | 4.157       | 4.112        | 4.167      | VV       | 377            | 10318        | 0.28%          | 0.021%        |
| 16        | 4.185       | 4.167        | 4.211      | VV       | 360            | 7103         | 0.19%          | 0.015%        |
| 17        | 4.241       | 4.211        | 4.260      | VV       | 847            | 13238        | 0.36%          | 0.027%        |
| 18        | 4.277       | 4.260        | 4.296      | VV       | 483            | 7531         | 0.20%          | 0.016%        |
| 19        | 4.311       | 4.296        | 4.332      | VV       | 397            | 7146         | 0.19%          | 0.015%        |
| 20        | 4.350       | 4.332        | 4.372      | VV       | 445            | 7461         | 0.20%          | 0.015%        |
| 21        | 4.392       | 4.372        | 4.424      | VV       | 844            | 13673        | 0.37%          | 0.028%        |
| 22        | 4.446       | 4.424        | 4.481      | VV       | 535            | 13469        | 0.37%          | 0.028%        |
| 23        | 4.491       | 4.481        | 4.514      | VV       | 464            | 6881         | 0.19%          | 0.014%        |
| 24        | 4.518       | 4.514        | 4.530      | VV       | 380            | 2584         | 0.07%          | 0.005%        |
| 25        | 4.550       | 4.530        | 4.559      | VV       | 261            | 4148         | 0.11%          | 0.009%        |
| 26        | 4.570       | 4.559        | 4.611      | VV       | 283            | 7351         | 0.20%          | 0.015%        |
| 27        | 4.616       | 4.611        | 4.624      | VV       | 292            | 2028         | 0.06%          | 0.004%        |
| 28        | 4.638       | 4.624        | 4.732      | VV       | 342            | 15328        | 0.42%          | 0.032%        |
| 29        | 4.745       | 4.732        | 4.787      | VV       | 287            | 4758         | 0.13%          | 0.010%        |
| 30        | 4.796       | 4.787        | 4.813      | VV       | 199            | 2066         | 0.06%          | 0.004%        |
| 31        | 4.833       | 4.813        | 4.852      | VV       | 371            | 5902         | 0.16%          | 0.012%        |
| 32        | 4.871       | 4.852        | 4.905      | VV       | 484            | 9291         | 0.25%          | 0.019%        |
| 33        | 4.926       | 4.905        | 4.941      | VV       | 448            | 5404         | 0.15%          | 0.011%        |
| 34        | 4.948       | 4.941        | 4.965      | VV       | 303            | 2418         | 0.07%          | 0.005%        |
| 35        | 4.977       | 4.965        | 4.991      | PV       | 298            | 2219         | 0.06%          | 0.005%        |
| 36        | 5.009       | 4.991        | 5.021      | VV       | 192            | 2806         | 0.08%          | 0.006%        |

|    |       |       |       |    |            |        |       |        |
|----|-------|-------|-------|----|------------|--------|-------|--------|
|    |       |       |       |    | rteres.txt |        |       |        |
| 37 | 5.025 | 5.021 | 5.052 | VV | 206        | 2962   | 0.08% | 0.006% |
| 38 | 5.065 | 5.052 | 5.077 | VV | 264        | 2486   | 0.07% | 0.005% |
| 39 | 5.096 | 5.077 | 5.132 | VV | 412        | 8322   | 0.23% | 0.017% |
| 40 | 5.161 | 5.132 | 5.179 | VV | 392        | 6810   | 0.19% | 0.014% |
| 41 | 5.214 | 5.179 | 5.253 | VV | 215        | 6176   | 0.17% | 0.013% |
| 42 | 5.275 | 5.253 | 5.304 | VV | 757        | 13751  | 0.37% | 0.028% |
| 43 | 5.314 | 5.304 | 5.333 | VV | 476        | 5070   | 0.14% | 0.010% |
| 44 | 5.341 | 5.333 | 5.358 | VV | 202        | 2417   | 0.07% | 0.005% |
| 45 | 5.384 | 5.358 | 5.428 | VV | 368        | 9314   | 0.25% | 0.019% |
| 46 | 5.448 | 5.428 | 5.482 | VV | 527        | 8984   | 0.24% | 0.019% |
| 47 | 5.563 | 5.482 | 5.629 | VV | 381        | 19634  | 0.53% | 0.040% |
| 48 | 5.636 | 5.629 | 5.654 | VV | 296        | 2736   | 0.07% | 0.006% |
| 49 | 5.662 | 5.654 | 5.674 | VV | 192        | 1262   | 0.03% | 0.003% |
| 50 | 5.727 | 5.692 | 5.744 | PV | 285        | 5531   | 0.15% | 0.011% |
| 51 | 5.772 | 5.744 | 5.789 | VV | 318        | 6546   | 0.18% | 0.014% |
| 52 | 5.814 | 5.789 | 5.896 | VV | 2030       | 44059  | 1.20% | 0.091% |
| 53 | 5.910 | 5.896 | 5.932 | VV | 354        | 6950   | 0.19% | 0.014% |
| 54 | 5.976 | 5.932 | 6.012 | VV | 908        | 23842  | 0.65% | 0.049% |
| 55 | 6.032 | 6.012 | 6.042 | VV | 315        | 4729   | 0.13% | 0.010% |
| 56 | 6.049 | 6.042 | 6.072 | VV | 327        | 4652   | 0.13% | 0.010% |
| 57 | 6.102 | 6.072 | 6.145 | VV | 458        | 12991  | 0.35% | 0.027% |
| 58 | 6.153 | 6.145 | 6.161 | VV | 410        | 3037   | 0.08% | 0.006% |
| 59 | 6.167 | 6.161 | 6.214 | VV | 436        | 9726   | 0.26% | 0.020% |
| 60 | 6.250 | 6.214 | 6.282 | VV | 782        | 12873  | 0.35% | 0.027% |
| 61 | 6.289 | 6.282 | 6.311 | VV | 244        | 1917   | 0.05% | 0.004% |
| 62 | 6.328 | 6.311 | 6.341 | VV | 232        | 3108   | 0.08% | 0.006% |
| 63 | 6.393 | 6.341 | 6.415 | VV | 580        | 15006  | 0.41% | 0.031% |
| 64 | 6.431 | 6.415 | 6.453 | VV | 429        | 6608   | 0.18% | 0.014% |
| 65 | 6.467 | 6.453 | 6.482 | VV | 229        | 2338   | 0.06% | 0.005% |
| 66 | 6.502 | 6.482 | 6.510 | PV | 298        | 2650   | 0.07% | 0.005% |
| 67 | 6.520 | 6.510 | 6.551 | VV | 277        | 4139   | 0.11% | 0.009% |
| 68 | 6.565 | 6.551 | 6.584 | VV | 318        | 4107   | 0.11% | 0.008% |
| 69 | 6.598 | 6.584 | 6.621 | VV | 181        | 2703   | 0.07% | 0.006% |
| 70 | 6.640 | 6.621 | 6.664 | VV | 470        | 5297   | 0.14% | 0.011% |
| 71 | 6.697 | 6.664 | 6.722 | VV | 226        | 4563   | 0.12% | 0.009% |
| 72 | 6.764 | 6.722 | 6.782 | VV | 477        | 9407   | 0.26% | 0.019% |
| 73 | 6.801 | 6.782 | 6.829 | VV | 446        | 7509   | 0.20% | 0.015% |
| 74 | 6.863 | 6.829 | 6.901 | VV | 1681       | 27195  | 0.74% | 0.056% |
| 75 | 6.907 | 6.901 | 6.925 | VV | 470        | 4714   | 0.13% | 0.010% |
| 76 | 6.946 | 6.925 | 6.974 | VV | 880        | 14820  | 0.40% | 0.031% |
| 77 | 6.994 | 6.974 | 7.027 | VV | 1665       | 22638  | 0.62% | 0.047% |
| 78 | 7.043 | 7.027 | 7.060 | VV | 525        | 7306   | 0.20% | 0.015% |
| 79 | 7.069 | 7.060 | 7.086 | VV | 241        | 3198   | 0.09% | 0.007% |
| 80 | 7.114 | 7.086 | 7.123 | VV | 275        | 4363   | 0.12% | 0.009% |
| 81 | 7.141 | 7.123 | 7.150 | VV | 481        | 5249   | 0.14% | 0.011% |
| 82 | 7.169 | 7.150 | 7.196 | VV | 1083       | 15066  | 0.41% | 0.031% |
| 83 | 7.221 | 7.196 | 7.276 | VV | 297        | 9147   | 0.25% | 0.019% |
| 84 | 7.296 | 7.276 | 7.309 | VV | 255        | 2936   | 0.08% | 0.006% |
| 85 | 7.336 | 7.309 | 7.374 | VV | 505        | 11828  | 0.32% | 0.024% |
| 86 | 7.387 | 7.374 | 7.406 | PV | 282        | 2749   | 0.07% | 0.006% |
| 87 | 7.583 | 7.551 | 7.677 | VV | 2958       | 123423 | 3.36% | 0.255% |
| 88 | 7.683 | 7.677 | 7.702 | VV | 817        | 9897   | 0.27% | 0.020% |
| 89 | 7.731 | 7.702 | 7.747 | VV | 1128       | 22644  | 0.62% | 0.047% |

|     |        |        |        |    |            |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
|     |        |        |        |    | rteres.txt |        |       |        |
| 90  | 7.762  | 7.747  | 7.811  | VV | 1177       | 30489  | 0.83% | 0.063% |
| 91  | 7.852  | 7.811  | 7.882  | VV | 1409       | 37965  | 1.03% | 0.078% |
| 92  | 7.906  | 7.882  | 7.914  | VV | 698        | 11633  | 0.32% | 0.024% |
| 93  | 7.948  | 7.914  | 7.964  | VV | 2316       | 38731  | 1.05% | 0.080% |
| 94  | 7.977  | 7.964  | 7.999  | VV | 1428       | 22608  | 0.62% | 0.047% |
| 95  | 8.007  | 7.999  | 8.017  | VV | 911        | 9382   | 0.26% | 0.019% |
| 96  | 8.033  | 8.017  | 8.067  | VV | 1581       | 26149  | 0.71% | 0.054% |
| 97  | 8.089  | 8.067  | 8.116  | VV | 19608      | 211190 | 5.75% | 0.436% |
| 98  | 8.130  | 8.116  | 8.166  | VV | 3085       | 48780  | 1.33% | 0.101% |
| 99  | 8.182  | 8.166  | 8.204  | VV | 1451       | 20499  | 0.56% | 0.042% |
| 100 | 8.217  | 8.204  | 8.232  | VV | 875        | 11257  | 0.31% | 0.023% |
| 101 | 8.246  | 8.232  | 8.262  | VV | 608        | 8605   | 0.23% | 0.018% |
| 102 | 8.271  | 8.262  | 8.295  | VV | 558        | 6838   | 0.19% | 0.014% |
| 103 | 8.422  | 8.404  | 8.462  | VV | 6513       | 115684 | 3.15% | 0.239% |
| 104 | 8.475  | 8.462  | 8.497  | VV | 2341       | 37590  | 1.02% | 0.078% |
| 105 | 8.504  | 8.497  | 8.521  | VV | 1543       | 19418  | 0.53% | 0.040% |
| 106 | 8.538  | 8.521  | 8.552  | VV | 1682       | 26855  | 0.73% | 0.055% |
| 107 | 8.567  | 8.552  | 8.597  | VV | 1645       | 28504  | 0.78% | 0.059% |
| 108 | 8.616  | 8.597  | 8.629  | VV | 842        | 13638  | 0.37% | 0.028% |
| 109 | 8.664  | 8.629  | 8.682  | VV | 1393       | 29887  | 0.81% | 0.062% |
| 110 | 8.699  | 8.682  | 8.727  | VV | 2259       | 38722  | 1.05% | 0.080% |
| 111 | 8.768  | 8.727  | 8.816  | VV | 1538       | 50023  | 1.36% | 0.103% |
| 112 | 8.849  | 8.816  | 8.863  | VV | 1744       | 32955  | 0.90% | 0.068% |
| 113 | 8.873  | 8.863  | 8.914  | VV | 1516       | 25232  | 0.69% | 0.052% |
| 114 | 8.935  | 8.914  | 8.956  | VV | 621        | 10586  | 0.29% | 0.022% |
| 115 | 8.987  | 8.956  | 9.004  | VV | 1222       | 19237  | 0.52% | 0.040% |
| 116 | 9.037  | 9.004  | 9.062  | VV | 2280       | 47223  | 1.29% | 0.097% |
| 117 | 9.068  | 9.062  | 9.091  | VV | 673        | 9573   | 0.26% | 0.020% |
| 118 | 9.124  | 9.091  | 9.157  | VV | 1027       | 23363  | 0.64% | 0.048% |
| 119 | 9.205  | 9.157  | 9.255  | VV | 4584       | 93773  | 2.55% | 0.193% |
| 120 | 9.282  | 9.255  | 9.299  | VV | 1569       | 24849  | 0.68% | 0.051% |
| 121 | 9.309  | 9.299  | 9.334  | VV | 884        | 15268  | 0.42% | 0.031% |
| 122 | 9.352  | 9.334  | 9.371  | VV | 1562       | 23456  | 0.64% | 0.048% |
| 123 | 9.385  | 9.371  | 9.394  | VV | 923        | 10995  | 0.30% | 0.023% |
| 124 | 9.408  | 9.394  | 9.437  | VV | 1168       | 19066  | 0.52% | 0.039% |
| 125 | 9.457  | 9.437  | 9.509  | VV | 603        | 18856  | 0.51% | 0.039% |
| 126 | 9.527  | 9.509  | 9.549  | VV | 1263       | 20410  | 0.56% | 0.042% |
| 127 | 9.564  | 9.549  | 9.597  | VV | 911        | 20713  | 0.56% | 0.043% |
| 128 | 9.625  | 9.597  | 9.672  | VV | 3042       | 54976  | 1.50% | 0.113% |
| 129 | 9.687  | 9.672  | 9.757  | VV | 652        | 22029  | 0.60% | 0.045% |
| 130 | 9.790  | 9.757  | 9.822  | PV | 531        | 11711  | 0.32% | 0.024% |
| 131 | 9.840  | 9.822  | 9.857  | VV | 196        | 3293   | 0.09% | 0.007% |
| 132 | 9.867  | 9.857  | 9.877  | VV | 297        | 1724   | 0.05% | 0.004% |
| 133 | 9.893  | 9.877  | 9.912  | PV | 267        | 3624   | 0.10% | 0.007% |
| 134 | 9.942  | 9.912  | 9.962  | VV | 718        | 13170  | 0.36% | 0.027% |
| 135 | 10.011 | 9.962  | 10.034 | VV | 1515       | 30669  | 0.83% | 0.063% |
| 136 | 10.081 | 10.034 | 10.104 | VV | 1706       | 44188  | 1.20% | 0.091% |
| 137 | 10.120 | 10.104 | 10.139 | VV | 1329       | 20489  | 0.56% | 0.042% |
| 138 | 10.154 | 10.139 | 10.168 | VV | 805        | 11518  | 0.31% | 0.024% |
| 139 | 10.196 | 10.168 | 10.232 | VV | 1519       | 33581  | 0.91% | 0.069% |
| 140 | 10.255 | 10.232 | 10.273 | VV | 1156       | 20642  | 0.56% | 0.043% |
| 141 | 10.287 | 10.273 | 10.306 | VV | 965        | 13813  | 0.38% | 0.028% |

| rteres.txt |        |        |        |    |        |         |         |        |
|------------|--------|--------|--------|----|--------|---------|---------|--------|
| 142        | 10.361 | 10.306 | 10.384 | VV | 3156   | 68366   | 1.86%   | 0.141% |
| 143        | 10.403 | 10.384 | 10.417 | VV | 2100   | 33740   | 0.92%   | 0.070% |
| 144        | 10.432 | 10.417 | 10.462 | VV | 2451   | 42470   | 1.16%   | 0.088% |
| 145        | 10.471 | 10.462 | 10.484 | VV | 676    | 7946    | 0.22%   | 0.016% |
| 146        | 10.498 | 10.484 | 10.517 | VV | 652    | 7731    | 0.21%   | 0.016% |
| 147        | 10.536 | 10.517 | 10.545 | VV | 475    | 4257    | 0.12%   | 0.009% |
| 148        | 10.594 | 10.545 | 10.647 | VV | 27469  | 376179  | 10.24%  | 0.776% |
| 149        | 10.671 | 10.647 | 10.717 | VV | 7654   | 136389  | 3.71%   | 0.281% |
| 150        | 10.745 | 10.717 | 10.801 | VV | 1551   | 46350   | 1.26%   | 0.096% |
| 151        | 10.811 | 10.801 | 10.839 | VV | 468    | 8059    | 0.22%   | 0.017% |
| 152        | 10.858 | 10.839 | 10.882 | VV | 300    | 5661    | 0.15%   | 0.012% |
| 153        | 10.905 | 10.882 | 10.931 | VV | 1268   | 22194   | 0.60%   | 0.046% |
| 154        | 10.956 | 10.931 | 10.971 | VV | 529    | 9947    | 0.27%   | 0.021% |
| 155        | 10.991 | 10.971 | 11.014 | VV | 1053   | 17978   | 0.49%   | 0.037% |
| 156        | 11.028 | 11.014 | 11.041 | VV | 603    | 8094    | 0.22%   | 0.017% |
| 157        | 11.059 | 11.041 | 11.101 | VV | 2821   | 44530   | 1.21%   | 0.092% |
| 158        | 11.147 | 11.101 | 11.174 | VV | 2009   | 59086   | 1.61%   | 0.122% |
| 159        | 11.196 | 11.174 | 11.223 | VV | 593    | 11123   | 0.30%   | 0.023% |
| 160        | 11.248 | 11.223 | 11.271 | VV | 1384   | 20768   | 0.57%   | 0.043% |
| 161        | 11.288 | 11.271 | 11.312 | VV | 603    | 9050    | 0.25%   | 0.019% |
| 162        | 11.364 | 11.312 | 11.409 | PV | 338892 | 3674139 | 100.00% | 7.578% |
| 163        | 11.426 | 11.409 | 11.467 | VV | 5202   | 91310   | 2.49%   | 0.188% |
| 164        | 11.505 | 11.467 | 11.525 | VV | 8152   | 131433  | 3.58%   | 0.271% |
| 165        | 11.540 | 11.525 | 11.555 | VV | 4624   | 59431   | 1.62%   | 0.123% |
| 166        | 11.571 | 11.555 | 11.633 | VV | 4607   | 75989   | 2.07%   | 0.157% |
| 167        | 11.655 | 11.633 | 11.675 | PV | 556    | 10192   | 0.28%   | 0.021% |
| 168        | 11.726 | 11.675 | 11.747 | VV | 2913   | 56451   | 1.54%   | 0.116% |
| 169        | 11.791 | 11.747 | 11.845 | VV | 1361   | 47186   | 1.28%   | 0.097% |
| 170        | 11.868 | 11.845 | 11.906 | VV | 1933   | 37865   | 1.03%   | 0.078% |
| 171        | 11.924 | 11.906 | 11.976 | VV | 1784   | 31910   | 0.87%   | 0.066% |
| 172        | 12.011 | 11.976 | 12.019 | PV | 963    | 17731   | 0.48%   | 0.037% |
| 173        | 12.037 | 12.019 | 12.056 | VV | 1806   | 22308   | 0.61%   | 0.046% |
| 174        | 12.067 | 12.056 | 12.089 | VV | 1277   | 19361   | 0.53%   | 0.040% |
| 175        | 12.109 | 12.089 | 12.118 | VV | 926    | 14600   | 0.40%   | 0.030% |
| 176        | 12.132 | 12.118 | 12.156 | VV | 1258   | 21085   | 0.57%   | 0.043% |
| 177        | 12.183 | 12.156 | 12.219 | VV | 2031   | 42807   | 1.17%   | 0.088% |
| 178        | 12.248 | 12.219 | 12.267 | VV | 1574   | 31472   | 0.86%   | 0.065% |
| 179        | 12.287 | 12.267 | 12.308 | VV | 5544   | 77718   | 2.12%   | 0.160% |
| 180        | 12.324 | 12.308 | 12.338 | VV | 2425   | 36126   | 0.98%   | 0.075% |
| 181        | 12.362 | 12.338 | 12.376 | VV | 4212   | 69373   | 1.89%   | 0.143% |
| 182        | 12.400 | 12.376 | 12.466 | VV | 51027  | 669744  | 18.23%  | 1.381% |
| 183        | 12.479 | 12.466 | 12.491 | VV | 847    | 10775   | 0.29%   | 0.022% |
| 184        | 12.499 | 12.491 | 12.521 | VV | 780    | 9214    | 0.25%   | 0.019% |
| 185        | 12.537 | 12.521 | 12.552 | VV | 1179   | 15963   | 0.43%   | 0.033% |
| 186        | 12.586 | 12.552 | 12.608 | VV | 2643   | 44665   | 1.22%   | 0.092% |
| 187        | 12.641 | 12.608 | 12.669 | VV | 1267   | 34628   | 0.94%   | 0.071% |
| 188        | 12.694 | 12.669 | 12.736 | VV | 50687  | 610512  | 16.62%  | 1.259% |
| 189        | 12.756 | 12.736 | 12.772 | VV | 4358   | 69860   | 1.90%   | 0.144% |
| 190        | 12.805 | 12.772 | 12.857 | VV | 222179 | 2701349 | 73.52%  | 5.571% |
| 191        | 12.873 | 12.857 | 12.890 | VV | 2503   | 38909   | 1.06%   | 0.080% |
| 192        | 12.902 | 12.890 | 12.942 | VV | 1934   | 32244   | 0.88%   | 0.067% |
| 193        | 12.973 | 12.942 | 13.007 | PV | 4826   | 81930   | 2.23%   | 0.169% |
| 194        | 13.032 | 13.007 | 13.077 | VV | 2075   | 43309   | 1.18%   | 0.089% |

|     |        |        |        |    |            |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
|     |        |        |        |    | rteres.txt |        |       |        |
| 195 | 13.097 | 13.077 | 13.111 | VV | 1550       | 19690  | 0.54% | 0.041% |
| 196 | 13.119 | 13.111 | 13.136 | VV | 1300       | 15518  | 0.42% | 0.032% |
| 197 | 13.158 | 13.136 | 13.194 | VV | 3090       | 55819  | 1.52% | 0.115% |
| 198 | 13.203 | 13.194 | 13.236 | VV | 681        | 13373  | 0.36% | 0.028% |
| 199 | 13.287 | 13.236 | 13.346 | VV | 8662       | 169362 | 4.61% | 0.349% |
| 200 | 13.354 | 13.346 | 13.370 | VV | 990        | 11090  | 0.30% | 0.023% |
| 201 | 13.394 | 13.370 | 13.414 | VV | 6501       | 88314  | 2.40% | 0.182% |
| 202 | 13.431 | 13.414 | 13.452 | VV | 4865       | 70580  | 1.92% | 0.146% |
| 203 | 13.467 | 13.452 | 13.502 | VV | 2608       | 47642  | 1.30% | 0.098% |
| 204 | 13.557 | 13.502 | 13.582 | VV | 8856       | 161692 | 4.40% | 0.333% |
| 205 | 13.601 | 13.582 | 13.627 | VV | 3880       | 55068  | 1.50% | 0.114% |
| 206 | 13.663 | 13.627 | 13.723 | VV | 947        | 35153  | 0.96% | 0.072% |
| 207 | 13.744 | 13.723 | 13.761 | VV | 798        | 11884  | 0.32% | 0.025% |
| 208 | 13.783 | 13.761 | 13.804 | VV | 1043       | 18411  | 0.50% | 0.038% |
| 209 | 13.817 | 13.804 | 13.837 | VV | 899        | 10317  | 0.28% | 0.021% |
| 210 | 13.846 | 13.837 | 13.862 | VV | 770        | 6096   | 0.17% | 0.013% |
| 211 | 13.916 | 13.862 | 13.934 | PV | 1187       | 29034  | 0.79% | 0.060% |
| 212 | 13.983 | 13.934 | 14.006 | VV | 3179       | 85796  | 2.34% | 0.177% |
| 213 | 14.025 | 14.006 | 14.032 | VV | 2532       | 37986  | 1.03% | 0.078% |
| 214 | 14.041 | 14.032 | 14.059 | VV | 2514       | 31477  | 0.86% | 0.065% |
| 215 | 14.072 | 14.059 | 14.086 | VV | 2203       | 26225  | 0.71% | 0.054% |
| 216 | 14.116 | 14.086 | 14.151 | VV | 5432       | 111104 | 3.02% | 0.229% |
| 217 | 14.167 | 14.151 | 14.177 | VV | 2064       | 30386  | 0.83% | 0.063% |
| 218 | 14.197 | 14.177 | 14.232 | VV | 4687       | 96765  | 2.63% | 0.200% |
| 219 | 14.256 | 14.232 | 14.291 | VV | 7914       | 122444 | 3.33% | 0.253% |
| 220 | 14.334 | 14.291 | 14.364 | VV | 3175       | 81784  | 2.23% | 0.169% |
| 221 | 14.381 | 14.364 | 14.399 | VV | 1772       | 30574  | 0.83% | 0.063% |
| 222 | 14.416 | 14.399 | 14.439 | VV | 1674       | 33248  | 0.90% | 0.069% |
| 223 | 14.455 | 14.439 | 14.477 | VV | 1287       | 20633  | 0.56% | 0.043% |
| 224 | 14.568 | 14.477 | 14.588 | PV | 22221      | 346086 | 9.42% | 0.714% |
| 225 | 14.607 | 14.588 | 14.637 | VV | 24154      | 343264 | 9.34% | 0.708% |
| 226 | 14.654 | 14.637 | 14.684 | VV | 5853       | 85291  | 2.32% | 0.176% |
| 227 | 14.732 | 14.684 | 14.787 | VV | 8256       | 237954 | 6.48% | 0.491% |
| 228 | 14.801 | 14.787 | 14.842 | VV | 2668       | 45977  | 1.25% | 0.095% |
| 229 | 14.877 | 14.842 | 14.892 | VV | 2795       | 43808  | 1.19% | 0.090% |
| 230 | 14.904 | 14.892 | 14.972 | VV | 2392       | 52895  | 1.44% | 0.109% |
| 231 | 15.042 | 14.972 | 15.122 | PV | 9577       | 314627 | 8.56% | 0.649% |
| 232 | 15.173 | 15.122 | 15.206 | VV | 5371       | 129017 | 3.51% | 0.266% |
| 233 | 15.239 | 15.206 | 15.261 | VV | 7518       | 124921 | 3.40% | 0.258% |
| 234 | 15.278 | 15.261 | 15.309 | VV | 4144       | 59221  | 1.61% | 0.122% |
| 235 | 15.322 | 15.309 | 15.337 | VV | 1631       | 15485  | 0.42% | 0.032% |
| 236 | 15.401 | 15.337 | 15.451 | VV | 4711       | 143037 | 3.89% | 0.295% |
| 237 | 15.482 | 15.451 | 15.504 | VV | 1696       | 29840  | 0.81% | 0.062% |
| 238 | 15.524 | 15.504 | 15.545 | VV | 992        | 18458  | 0.50% | 0.038% |
| 239 | 15.565 | 15.545 | 15.584 | VV | 2381       | 32827  | 0.89% | 0.068% |
| 240 | 15.595 | 15.584 | 15.603 | VV | 1525       | 14262  | 0.39% | 0.029% |
| 241 | 15.629 | 15.603 | 15.641 | VV | 1655       | 31259  | 0.85% | 0.064% |
| 242 | 15.673 | 15.641 | 15.701 | VV | 8884       | 142558 | 3.88% | 0.294% |
| 243 | 15.724 | 15.701 | 15.754 | VV | 1775       | 40019  | 1.09% | 0.083% |
| 244 | 15.766 | 15.754 | 15.786 | VV | 1054       | 13795  | 0.38% | 0.028% |
| 245 | 15.838 | 15.786 | 15.886 | PV | 3071       | 97917  | 2.67% | 0.202% |
| 246 | 15.933 | 15.886 | 15.943 | VV | 2795       | 58106  | 1.58% | 0.120% |

| rteres.txt |        |        |        |    |       |         |        |        |
|------------|--------|--------|--------|----|-------|---------|--------|--------|
| 247        | 15.949 | 15.943 | 15.972 | VV | 2576  | 29411   | 0.80%  | 0.061% |
| 248        | 15.992 | 15.972 | 16.012 | VV | 1979  | 35238   | 0.96%  | 0.073% |
| 249        | 16.039 | 16.012 | 16.084 | VV | 4438  | 118402  | 3.22%  | 0.244% |
| 250        | 16.119 | 16.084 | 16.139 | VV | 30137 | 480384  | 13.07% | 0.991% |
| 251        | 16.151 | 16.139 | 16.182 | VV | 18177 | 241394  | 6.57%  | 0.498% |
| 252        | 16.249 | 16.182 | 16.304 | VV | 7939  | 207033  | 5.63%  | 0.427% |
| 253        | 16.315 | 16.304 | 16.327 | VV | 1884  | 22367   | 0.61%  | 0.046% |
| 254        | 16.345 | 16.327 | 16.362 | VV | 1960  | 25977   | 0.71%  | 0.054% |
| 255        | 16.438 | 16.362 | 16.471 | VV | 18294 | 339617  | 9.24%  | 0.700% |
| 256        | 16.496 | 16.471 | 16.547 | VV | 24213 | 327650  | 8.92%  | 0.676% |
| 257        | 16.617 | 16.547 | 16.638 | PV | 12794 | 327608  | 8.92%  | 0.676% |
| 258        | 16.661 | 16.638 | 16.692 | VV | 18016 | 272663  | 7.42%  | 0.562% |
| 259        | 16.702 | 16.692 | 16.733 | VV | 2902  | 46340   | 1.26%  | 0.096% |
| 260        | 16.757 | 16.733 | 16.776 | VV | 2712  | 50510   | 1.37%  | 0.104% |
| 261        | 16.789 | 16.776 | 16.802 | VV | 3173  | 38392   | 1.04%  | 0.079% |
| 262        | 16.840 | 16.802 | 16.853 | VV | 4861  | 102527  | 2.79%  | 0.211% |
| 263        | 16.871 | 16.853 | 16.891 | VV | 5196  | 84687   | 2.30%  | 0.175% |
| 264        | 16.913 | 16.891 | 16.931 | VV | 5076  | 84120   | 2.29%  | 0.173% |
| 265        | 16.955 | 16.931 | 16.965 | VV | 2634  | 40526   | 1.10%  | 0.084% |
| 266        | 16.996 | 16.965 | 17.047 | VV | 9808  | 268394  | 7.30%  | 0.554% |
| 267        | 17.070 | 17.047 | 17.098 | VV | 14241 | 252810  | 6.88%  | 0.521% |
| 268        | 17.114 | 17.098 | 17.130 | VV | 4358  | 65799   | 1.79%  | 0.136% |
| 269        | 17.155 | 17.130 | 17.186 | VV | 8040  | 156682  | 4.26%  | 0.323% |
| 270        | 17.226 | 17.186 | 17.252 | VV | 5222  | 117262  | 3.19%  | 0.242% |
| 271        | 17.276 | 17.252 | 17.299 | PV | 5158  | 73939   | 2.01%  | 0.152% |
| 272        | 17.310 | 17.299 | 17.324 | VV | 2698  | 27746   | 0.76%  | 0.057% |
| 273        | 17.344 | 17.324 | 17.360 | VV | 4983  | 64893   | 1.77%  | 0.134% |
| 274        | 17.388 | 17.360 | 17.408 | VV | 5833  | 106389  | 2.90%  | 0.219% |
| 275        | 17.420 | 17.408 | 17.433 | VV | 3784  | 46947   | 1.28%  | 0.097% |
| 276        | 17.504 | 17.433 | 17.557 | VV | 12239 | 489477  | 13.32% | 1.010% |
| 277        | 17.622 | 17.557 | 17.645 | VV | 16630 | 433900  | 11.81% | 0.895% |
| 278        | 17.654 | 17.645 | 17.712 | VV | 9818  | 231575  | 6.30%  | 0.478% |
| 279        | 17.724 | 17.712 | 17.747 | VV | 5189  | 68800   | 1.87%  | 0.142% |
| 280        | 17.771 | 17.747 | 17.788 | VV | 8102  | 134183  | 3.65%  | 0.277% |
| 281        | 17.799 | 17.788 | 17.821 | VV | 8800  | 129306  | 3.52%  | 0.267% |
| 282        | 17.834 | 17.821 | 17.846 | VV | 6674  | 90663   | 2.47%  | 0.187% |
| 283        | 17.865 | 17.846 | 17.898 | VV | 20282 | 419584  | 11.42% | 0.865% |
| 284        | 17.926 | 17.898 | 17.966 | VV | 19083 | 483249  | 13.15% | 0.997% |
| 285        | 17.991 | 17.966 | 18.015 | VV | 19730 | 391595  | 10.66% | 0.808% |
| 286        | 18.025 | 18.015 | 18.052 | VV | 10820 | 198699  | 5.41%  | 0.410% |
| 287        | 18.059 | 18.052 | 18.089 | VV | 7729  | 132507  | 3.61%  | 0.273% |
| 288        | 18.117 | 18.089 | 18.157 | VV | 18379 | 408389  | 11.12% | 0.842% |
| 289        | 18.173 | 18.157 | 18.192 | VV | 7245  | 123297  | 3.36%  | 0.254% |
| 290        | 18.209 | 18.192 | 18.232 | VV | 8760  | 165763  | 4.51%  | 0.342% |
| 291        | 18.249 | 18.232 | 18.266 | VV | 10103 | 152166  | 4.14%  | 0.314% |
| 292        | 18.335 | 18.266 | 18.377 | VV | 16380 | 622532  | 16.94% | 1.284% |
| 293        | 18.415 | 18.377 | 18.441 | VV | 16167 | 420517  | 11.45% | 0.867% |
| 294        | 18.459 | 18.441 | 18.499 | VV | 16182 | 431412  | 11.74% | 0.890% |
| 295        | 18.586 | 18.499 | 18.604 | VV | 12204 | 605364  | 16.48% | 1.249% |
| 296        | 18.618 | 18.604 | 18.632 | VV | 13623 | 204889  | 5.58%  | 0.423% |
| 297        | 18.638 | 18.632 | 18.654 | VV | 13381 | 155700  | 4.24%  | 0.321% |
| 298        | 18.735 | 18.654 | 18.776 | VV | 25707 | 1188565 | 32.35% | 2.451% |
| 299        | 18.812 | 18.776 | 18.839 | VV | 21551 | 607177  | 16.53% | 1.252% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 300 | 18.843 | 18.839 | 18.863 | VV | 15869      | 202812  | 5.52%  | 0.418% |
| 301 | 18.887 | 18.863 | 18.897 | VV | 16216      | 279865  | 7.62%  | 0.577% |
| 302 | 18.926 | 18.897 | 18.964 | VV | 16788      | 584589  | 15.91% | 1.206% |
| 303 | 19.048 | 18.964 | 19.082 | VV | 16843      | 1065294 | 28.99% | 2.197% |
| 304 | 19.118 | 19.082 | 19.181 | VV | 26896      | 1220373 | 33.22% | 2.517% |
| 305 | 19.224 | 19.181 | 19.250 | VV | 24267      | 848445  | 23.09% | 1.750% |
| 306 | 19.277 | 19.250 | 19.304 | VV | 25323      | 709661  | 19.32% | 1.464% |
| 307 | 19.312 | 19.304 | 19.327 | VV | 23042      | 301269  | 8.20%  | 0.621% |
| 308 | 19.346 | 19.327 | 19.364 | VV | 27321      | 547758  | 14.91% | 1.130% |
| 309 | 19.381 | 19.364 | 19.412 | VV | 25302      | 700562  | 19.07% | 1.445% |
| 310 | 19.430 | 19.412 | 19.471 | VV | 30331      | 936479  | 25.49% | 1.931% |
| 311 | 19.492 | 19.471 | 19.512 | VV | 32718      | 727681  | 19.81% | 1.501% |
| 312 | 19.522 | 19.512 | 19.539 | VV | 33004      | 470384  | 12.80% | 0.970% |
| 313 | 19.555 | 19.539 | 19.569 | VV | 27887      | 469964  | 12.79% | 0.969% |
| 314 | 19.645 | 19.569 | 19.654 | VV | 32058      | 1471871 | 40.06% | 3.036% |
| 315 | 19.661 | 19.654 | 19.692 | VV | 33832      | 705486  | 19.20% | 1.455% |
| 316 | 19.730 | 19.692 | 19.777 | VV | 38204      | 1669150 | 45.43% | 3.442% |
| 317 | 19.788 | 19.777 | 19.806 | VV | 33320      | 543147  | 14.78% | 1.120% |
| 318 | 19.824 | 19.806 | 19.834 | VV | 35618      | 570900  | 15.54% | 1.177% |
| 319 | 19.857 | 19.834 | 19.879 | VV | 40356      | 999305  | 27.20% | 2.061% |
| 320 | 19.898 | 19.879 | 19.922 | VV | 41878      | 1007332 | 27.42% | 2.078% |
| 321 | 19.947 | 19.922 | 19.955 | VV | 37986      | 718694  | 19.56% | 1.482% |
| 322 | 19.971 | 19.955 | 19.991 | VV | 41166      | 802979  | 21.85% | 1.656% |
| 323 | 20.012 | 19.991 | 20.021 | VV | 40362      | 701087  | 19.08% | 1.446% |
| 324 | 20.033 | 20.021 | 20.047 | VV | 44300      | 652506  | 17.76% | 1.346% |
| 325 | 20.073 | 20.047 | 20.082 | VV | 43104      | 860523  | 23.42% | 1.775% |

Sum of corrected areas: 48487026

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