

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC070319AL\  
 Data File : FC042186.D  
 Signal(s) : FID1A.CH  
 Acq On : 03 Jul 2019 11:10  
 Sample : K3550-06DL 5X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 061219.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         | 3.490       | 3.452        | 3.501      | BV       | 1040           | 11172        | 0.10%          | 0.002%        |
| 2         | 3.516       | 3.501        | 3.532      | VV       | 3215           | 28005        | 0.24%          | 0.006%        |
| 3         | 3.543       | 3.532        | 3.575      | VV       | 923            | 9740         | 0.08%          | 0.002%        |
| 4         | 3.595       | 3.575        | 3.609      | PV       | 1119           | 10904        | 0.09%          | 0.002%        |
| 5         | 3.624       | 3.609        | 3.637      | VV       | 2876           | 28465        | 0.25%          | 0.006%        |
| 6         | 3.647       | 3.637        | 3.660      | VV       | 1686           | 14821        | 0.13%          | 0.003%        |
| 7         | 3.693       | 3.660        | 3.726      | VV       | 2817           | 45005        | 0.39%          | 0.009%        |
| 8         | 3.764       | 3.726        | 3.791      | VV       | 7123           | 95549        | 0.83%          | 0.019%        |
| 9         | 3.814       | 3.791        | 3.837      | VV       | 2557           | 39832        | 0.35%          | 0.008%        |
| 10        | 3.864       | 3.837        | 3.891      | VV       | 10480          | 122995       | 1.07%          | 0.025%        |
| 11        | 3.903       | 3.891        | 3.915      | VV       | 3899           | 43342        | 0.38%          | 0.009%        |
| 12        | 3.937       | 3.915        | 3.952      | VV       | 5857           | 76039        | 0.66%          | 0.015%        |
| 13        | 3.962       | 3.952        | 3.976      | VV       | 2098           | 17933        | 0.16%          | 0.004%        |
| 14        | 3.991       | 3.976        | 4.022      | VV       | 2564           | 31284        | 0.27%          | 0.006%        |
| 15        | 4.039       | 4.022        | 4.055      | PV       | 5862           | 49986        | 0.43%          | 0.010%        |
| 16        | 4.080       | 4.055        | 4.126      | VV       | 5375           | 117954       | 1.02%          | 0.024%        |
| 17        | 4.157       | 4.126        | 4.175      | VV       | 12666          | 149555       | 1.30%          | 0.030%        |
| 18        | 4.189       | 4.175        | 4.204      | VV       | 4102           | 50369        | 0.44%          | 0.010%        |
| 19        | 4.225       | 4.204        | 4.237      | VV       | 4569           | 67386        | 0.58%          | 0.014%        |
| 20        | 4.255       | 4.237        | 4.279      | VV       | 11033          | 129865       | 1.13%          | 0.026%        |
| 21        | 4.340       | 4.279        | 4.353      | VV       | 8192           | 126311       | 1.10%          | 0.025%        |
| 22        | 4.368       | 4.353        | 4.392      | VV       | 10286          | 130016       | 1.13%          | 0.026%        |
| 23        | 4.405       | 4.392        | 4.444      | VV       | 4125           | 67981        | 0.59%          | 0.014%        |
| 24        | 4.478       | 4.444        | 4.497      | PV       | 6152           | 98616        | 0.86%          | 0.020%        |
| 25        | 4.517       | 4.497        | 4.537      | VV       | 7653           | 108768       | 0.94%          | 0.022%        |
| 26        | 4.557       | 4.537        | 4.593      | VV       | 3302           | 91319        | 0.79%          | 0.018%        |
| 27        | 4.604       | 4.593        | 4.615      | VV       | 2608           | 25656        | 0.22%          | 0.005%        |
| 28        | 4.630       | 4.615        | 4.657      | VV       | 4493           | 68229        | 0.59%          | 0.014%        |
| 29        | 4.668       | 4.657        | 4.692      | VV       | 2138           | 35938        | 0.31%          | 0.007%        |
| 30        | 4.715       | 4.692        | 4.746      | VV       | 10203          | 186118       | 1.61%          | 0.038%        |
| 31        | 4.760       | 4.746        | 4.771      | VV       | 11849          | 131983       | 1.14%          | 0.027%        |
| 32        | 4.782       | 4.771        | 4.792      | VV       | 9415           | 106089       | 0.92%          | 0.021%        |
| 33        | 4.808       | 4.792        | 4.826      | VV       | 39076          | 386187       | 3.35%          | 0.078%        |
| 34        | 4.842       | 4.826        | 4.876      | VV       | 21311          | 339593       | 2.95%          | 0.068%        |
| 35        | 4.889       | 4.876        | 4.900      | VV       | 13129          | 130481       | 1.13%          | 0.026%        |
| 36        | 4.927       | 4.900        | 4.946      | VV       | 13957          | 245971       | 2.13%          | 0.050%        |

| rteres.txt |       |       |       |    |        |         |        |        |
|------------|-------|-------|-------|----|--------|---------|--------|--------|
| 37         | 4.969 | 4.946 | 5.012 | VV | 25470  | 417457  | 3.62%  | 0.084% |
| 38         | 5.036 | 5.012 | 5.056 | VV | 24440  | 305249  | 2.65%  | 0.062% |
| 39         | 5.076 | 5.056 | 5.090 | VV | 8549   | 131414  | 1.14%  | 0.027% |
| 40         | 5.104 | 5.090 | 5.138 | VV | 10084  | 194770  | 1.69%  | 0.039% |
| 41         | 5.161 | 5.138 | 5.175 | VV | 22013  | 238124  | 2.07%  | 0.048% |
| 42         | 5.191 | 5.175 | 5.226 | VV | 20689  | 338916  | 2.94%  | 0.068% |
| 43         | 5.252 | 5.226 | 5.262 | VV | 20554  | 230115  | 2.00%  | 0.046% |
| 44         | 5.275 | 5.262 | 5.316 | VV | 33038  | 574722  | 4.99%  | 0.116% |
| 45         | 5.326 | 5.316 | 5.340 | VV | 11835  | 128503  | 1.11%  | 0.026% |
| 46         | 5.357 | 5.340 | 5.372 | VV | 7945   | 137967  | 1.20%  | 0.028% |
| 47         | 5.394 | 5.372 | 5.422 | VV | 23560  | 417158  | 3.62%  | 0.084% |
| 48         | 5.454 | 5.422 | 5.468 | VV | 19125  | 411789  | 3.57%  | 0.083% |
| 49         | 5.485 | 5.468 | 5.500 | VV | 21529  | 313932  | 2.72%  | 0.063% |
| 50         | 5.517 | 5.500 | 5.569 | VV | 20718  | 553564  | 4.80%  | 0.112% |
| 51         | 5.595 | 5.569 | 5.608 | VV | 34166  | 454041  | 3.94%  | 0.092% |
| 52         | 5.622 | 5.608 | 5.643 | VV | 39090  | 467608  | 4.06%  | 0.094% |
| 53         | 5.660 | 5.643 | 5.695 | VV | 21099  | 416456  | 3.61%  | 0.084% |
| 54         | 5.725 | 5.695 | 5.736 | VV | 17063  | 307797  | 2.67%  | 0.062% |
| 55         | 5.745 | 5.736 | 5.753 | VV | 16142  | 158826  | 1.38%  | 0.032% |
| 56         | 5.779 | 5.753 | 5.815 | VV | 81299  | 1331954 | 11.55% | 0.269% |
| 57         | 5.831 | 5.815 | 5.848 | VV | 24173  | 390016  | 3.38%  | 0.079% |
| 58         | 5.873 | 5.848 | 5.910 | VV | 70570  | 1552847 | 13.47% | 0.313% |
| 59         | 5.929 | 5.910 | 5.966 | VV | 52419  | 823936  | 7.15%  | 0.166% |
| 60         | 5.997 | 5.966 | 6.021 | VV | 30155  | 666187  | 5.78%  | 0.134% |
| 61         | 6.045 | 6.021 | 6.066 | VV | 30735  | 523399  | 4.54%  | 0.106% |
| 62         | 6.089 | 6.066 | 6.111 | VV | 35050  | 695715  | 6.04%  | 0.140% |
| 63         | 6.131 | 6.111 | 6.152 | VV | 41134  | 774394  | 6.72%  | 0.156% |
| 64         | 6.168 | 6.152 | 6.202 | VV | 37234  | 822606  | 7.14%  | 0.166% |
| 65         | 6.241 | 6.202 | 6.254 | VV | 33653  | 820205  | 7.12%  | 0.165% |
| 66         | 6.269 | 6.254 | 6.299 | VV | 61366  | 1098175 | 9.53%  | 0.221% |
| 67         | 6.323 | 6.299 | 6.341 | VV | 42759  | 893904  | 7.75%  | 0.180% |
| 68         | 6.355 | 6.341 | 6.369 | VV | 54457  | 707199  | 6.14%  | 0.143% |
| 69         | 6.391 | 6.369 | 6.425 | VV | 52779  | 1440683 | 12.50% | 0.291% |
| 70         | 6.447 | 6.425 | 6.467 | VV | 56644  | 1007917 | 8.74%  | 0.203% |
| 71         | 6.505 | 6.467 | 6.537 | VV | 58229  | 1878553 | 16.30% | 0.379% |
| 72         | 6.549 | 6.537 | 6.570 | VV | 39324  | 693171  | 6.01%  | 0.140% |
| 73         | 6.588 | 6.570 | 6.611 | VV | 53769  | 923950  | 8.02%  | 0.186% |
| 74         | 6.652 | 6.611 | 6.666 | VV | 47090  | 1205357 | 10.46% | 0.243% |
| 75         | 6.711 | 6.666 | 6.733 | VV | 233487 | 3614067 | 31.35% | 0.729% |
| 76         | 6.762 | 6.733 | 6.803 | VV | 99055  | 2596563 | 22.53% | 0.524% |
| 77         | 6.847 | 6.803 | 6.864 | VV | 93441  | 2070118 | 17.96% | 0.417% |
| 78         | 6.887 | 6.864 | 6.909 | VV | 101843 | 1804822 | 15.66% | 0.364% |
| 79         | 6.921 | 6.909 | 6.930 | VV | 52202  | 626102  | 5.43%  | 0.126% |
| 80         | 6.969 | 6.930 | 6.990 | VV | 129606 | 2592162 | 22.49% | 0.523% |
| 81         | 7.007 | 6.990 | 7.052 | VV | 60045  | 1914396 | 16.61% | 0.386% |
| 82         | 7.088 | 7.052 | 7.106 | VV | 86975  | 2243225 | 19.46% | 0.452% |
| 83         | 7.127 | 7.106 | 7.158 | VV | 117481 | 2480773 | 21.52% | 0.500% |
| 84         | 7.195 | 7.158 | 7.224 | VV | 280832 | 4663469 | 40.46% | 0.940% |
| 85         | 7.263 | 7.224 | 7.307 | VV | 296715 | 6142237 | 53.29% | 1.239% |
| 86         | 7.328 | 7.307 | 7.350 | VV | 256589 | 3632670 | 31.51% | 0.733% |
| 87         | 7.367 | 7.350 | 7.385 | VV | 104770 | 1694871 | 14.70% | 0.342% |
| 88         | 7.411 | 7.385 | 7.431 | VV | 75738  | 1925333 | 16.70% | 0.388% |
| 89         | 7.471 | 7.431 | 7.517 | VV | 123545 | 4611726 | 40.01% | 0.930% |

| rteres.txt |       |       |       |    |        |          |         |        |
|------------|-------|-------|-------|----|--------|----------|---------|--------|
| 90         | 7.534 | 7.517 | 7.546 | VV | 105273 | 1558651  | 13.52%  | 0.314% |
| 91         | 7.553 | 7.546 | 7.561 | VV | 97521  | 858941   | 7.45%   | 0.173% |
| 92         | 7.577 | 7.561 | 7.613 | VV | 110564 | 2939086  | 25.50%  | 0.593% |
| 93         | 7.621 | 7.613 | 7.630 | VV | 83499  | 844635   | 7.33%   | 0.170% |
| 94         | 7.657 | 7.630 | 7.698 | VV | 185006 | 4803417  | 41.67%  | 0.969% |
| 95         | 7.712 | 7.698 | 7.731 | VV | 104103 | 1743734  | 15.13%  | 0.352% |
| 96         | 7.741 | 7.731 | 7.765 | VV | 72178  | 1434127  | 12.44%  | 0.289% |
| 97         | 7.798 | 7.765 | 7.813 | VV | 195056 | 3652752  | 31.69%  | 0.737% |
| 98         | 7.823 | 7.813 | 7.863 | VV | 149431 | 3178309  | 27.57%  | 0.641% |
| 99         | 7.878 | 7.863 | 7.887 | VV | 87536  | 1215490  | 10.54%  | 0.245% |
| 100        | 7.924 | 7.887 | 7.939 | VV | 110739 | 2999127  | 26.02%  | 0.605% |
| 101        | 7.952 | 7.939 | 7.971 | VV | 102804 | 1797654  | 15.60%  | 0.363% |
| 102        | 8.003 | 7.971 | 8.022 | VV | 113750 | 2938301  | 25.49%  | 0.593% |
| 103        | 8.071 | 8.022 | 8.109 | VV | 201978 | 6909750  | 59.94%  | 1.393% |
| 104        | 8.117 | 8.109 | 8.147 | VV | 128347 | 2551064  | 22.13%  | 0.514% |
| 105        | 8.172 | 8.147 | 8.226 | VV | 586561 | 11527117 | 100.00% | 2.325% |
| 106        | 8.235 | 8.226 | 8.249 | VV | 107371 | 1435296  | 12.45%  | 0.289% |
| 107        | 8.289 | 8.249 | 8.303 | VV | 482319 | 7756047  | 67.29%  | 1.564% |
| 108        | 8.316 | 8.303 | 8.336 | VV | 361823 | 4601626  | 39.92%  | 0.928% |
| 109        | 8.345 | 8.336 | 8.362 | VV | 139139 | 2003825  | 17.38%  | 0.404% |
| 110        | 8.395 | 8.362 | 8.415 | VV | 198768 | 4354751  | 37.78%  | 0.878% |
| 111        | 8.448 | 8.415 | 8.480 | VV | 239450 | 6579524  | 57.08%  | 1.327% |
| 112        | 8.493 | 8.480 | 8.503 | VV | 122996 | 1599097  | 13.87%  | 0.322% |
| 113        | 8.523 | 8.503 | 8.547 | VV | 236105 | 4348263  | 37.72%  | 0.877% |
| 114        | 8.561 | 8.547 | 8.612 | VV | 183095 | 5365261  | 46.54%  | 1.082% |
| 115        | 8.631 | 8.612 | 8.654 | VV | 134103 | 3111873  | 27.00%  | 0.628% |
| 116        | 8.670 | 8.654 | 8.689 | VV | 165171 | 2736671  | 23.74%  | 0.552% |
| 117        | 8.710 | 8.689 | 8.731 | VV | 170817 | 3339485  | 28.97%  | 0.673% |
| 118        | 8.747 | 8.731 | 8.759 | VV | 134664 | 2199672  | 19.08%  | 0.444% |
| 119        | 8.767 | 8.759 | 8.786 | VV | 137436 | 2003352  | 17.38%  | 0.404% |
| 120        | 8.815 | 8.786 | 8.841 | VV | 221627 | 5025203  | 43.59%  | 1.013% |
| 121        | 8.885 | 8.841 | 8.908 | VV | 533956 | 9871793  | 85.64%  | 1.991% |
| 122        | 8.923 | 8.908 | 8.939 | VV | 149377 | 2305074  | 20.00%  | 0.465% |
| 123        | 8.964 | 8.939 | 8.978 | VV | 132460 | 2842759  | 24.66%  | 0.573% |
| 124        | 9.000 | 8.978 | 9.019 | VV | 333822 | 5175085  | 44.89%  | 1.044% |
| 125        | 9.033 | 9.019 | 9.054 | VV | 200276 | 3353454  | 29.09%  | 0.676% |
| 126        | 9.071 | 9.054 | 9.086 | VV | 148036 | 2475039  | 21.47%  | 0.499% |
| 127        | 9.121 | 9.086 | 9.139 | VV | 201413 | 5043503  | 43.75%  | 1.017% |
| 128        | 9.171 | 9.139 | 9.188 | VV | 299491 | 5682996  | 49.30%  | 1.146% |
| 129        | 9.212 | 9.188 | 9.232 | VV | 316053 | 5365272  | 46.54%  | 1.082% |
| 130        | 9.249 | 9.232 | 9.272 | VV | 161324 | 3329121  | 28.88%  | 0.671% |
| 131        | 9.327 | 9.272 | 9.343 | VV | 266454 | 6509051  | 56.47%  | 1.313% |
| 132        | 9.358 | 9.343 | 9.384 | VV | 244843 | 3923925  | 34.04%  | 0.791% |
| 133        | 9.400 | 9.384 | 9.419 | VV | 126053 | 2409331  | 20.90%  | 0.486% |
| 134        | 9.462 | 9.419 | 9.482 | VV | 259178 | 6422580  | 55.72%  | 1.295% |
| 135        | 9.495 | 9.482 | 9.514 | VV | 137830 | 2331945  | 20.23%  | 0.470% |
| 136        | 9.541 | 9.514 | 9.556 | VV | 182674 | 3559041  | 30.88%  | 0.718% |
| 137        | 9.570 | 9.556 | 9.590 | VV | 185866 | 3045352  | 26.42%  | 0.614% |
| 138        | 9.623 | 9.590 | 9.677 | VV | 277334 | 8667243  | 75.19%  | 1.748% |
| 139        | 9.698 | 9.677 | 9.711 | VV | 205688 | 3355715  | 29.11%  | 0.677% |
| 140        | 9.719 | 9.711 | 9.731 | VV | 168865 | 1789923  | 15.53%  | 0.361% |
| 141        | 9.745 | 9.731 | 9.772 | VV | 187107 | 3845427  | 33.36%  | 0.776% |

| rteres.txt |        |        |        |    |        |          |        |        |
|------------|--------|--------|--------|----|--------|----------|--------|--------|
| 142        | 9.782  | 9.772  | 9.807  | VV | 134766 | 2504779  | 21.73% | 0.505% |
| 143        | 9.820  | 9.807  | 9.838  | VV | 113822 | 1946883  | 16.89% | 0.393% |
| 144        | 9.868  | 9.838  | 9.880  | VV | 166582 | 3511383  | 30.46% | 0.708% |
| 145        | 9.898  | 9.880  | 9.930  | VV | 191058 | 4972582  | 43.14% | 1.003% |
| 146        | 9.963  | 9.930  | 9.992  | VV | 171784 | 5561370  | 48.25% | 1.122% |
| 147        | 10.006 | 9.992  | 10.016 | VV | 143486 | 1904168  | 16.52% | 0.384% |
| 148        | 10.025 | 10.016 | 10.035 | VV | 139693 | 1573863  | 13.65% | 0.317% |
| 149        | 10.053 | 10.035 | 10.094 | VV | 149800 | 4510603  | 39.13% | 0.910% |
| 150        | 10.122 | 10.094 | 10.198 | VV | 163727 | 7390748  | 64.12% | 1.490% |
| 151        | 10.219 | 10.198 | 10.239 | VV | 121998 | 2590190  | 22.47% | 0.522% |
| 152        | 10.282 | 10.239 | 10.301 | VV | 160845 | 4454184  | 38.64% | 0.898% |
| 153        | 10.329 | 10.301 | 10.357 | VV | 428924 | 7767120  | 67.38% | 1.566% |
| 154        | 10.391 | 10.357 | 10.403 | VV | 175100 | 3769310  | 32.70% | 0.760% |
| 155        | 10.417 | 10.403 | 10.442 | VV | 173145 | 3261604  | 28.30% | 0.658% |
| 156        | 10.463 | 10.442 | 10.506 | VV | 226944 | 5473142  | 47.48% | 1.104% |
| 157        | 10.550 | 10.506 | 10.580 | VV | 151761 | 5775283  | 50.10% | 1.165% |
| 158        | 10.603 | 10.580 | 10.632 | VV | 171079 | 4426606  | 38.40% | 0.893% |
| 159        | 10.658 | 10.632 | 10.692 | VV | 152068 | 4936421  | 42.82% | 0.996% |
| 160        | 10.705 | 10.692 | 10.721 | VV | 139099 | 2190721  | 19.00% | 0.442% |
| 161        | 10.751 | 10.721 | 10.779 | VV | 630034 | 11025194 | 95.65% | 2.223% |
| 162        | 10.791 | 10.779 | 10.831 | VV | 132244 | 3773446  | 32.74% | 0.761% |
| 163        | 10.844 | 10.831 | 10.854 | VV | 107156 | 1412953  | 12.26% | 0.285% |
| 164        | 10.887 | 10.854 | 10.909 | VV | 118406 | 3601559  | 31.24% | 0.726% |
| 165        | 10.942 | 10.909 | 10.987 | VV | 167740 | 5758623  | 49.96% | 1.161% |
| 166        | 11.012 | 10.987 | 11.042 | VV | 128749 | 3677717  | 31.90% | 0.742% |
| 167        | 11.068 | 11.042 | 11.099 | VV | 148578 | 3901612  | 33.85% | 0.787% |
| 168        | 11.151 | 11.099 | 11.172 | VV | 114295 | 4393199  | 38.11% | 0.886% |
| 169        | 11.207 | 11.172 | 11.218 | VV | 102240 | 2698814  | 23.41% | 0.544% |
| 170        | 11.245 | 11.218 | 11.267 | VV | 127212 | 3177403  | 27.56% | 0.641% |
| 171        | 11.286 | 11.267 | 11.314 | VV | 121905 | 3083588  | 26.75% | 0.622% |
| 172        | 11.333 | 11.314 | 11.358 | VV | 115192 | 2941140  | 25.51% | 0.593% |
| 173        | 11.367 | 11.358 | 11.389 | VV | 114360 | 1910124  | 16.57% | 0.385% |
| 174        | 11.417 | 11.389 | 11.438 | VV | 110512 | 3118404  | 27.05% | 0.629% |
| 175        | 11.466 | 11.438 | 11.504 | VV | 377252 | 7345600  | 63.72% | 1.481% |
| 176        | 11.530 | 11.504 | 11.552 | VV | 104819 | 2631949  | 22.83% | 0.531% |
| 177        | 11.591 | 11.552 | 11.608 | VV | 119701 | 3261061  | 28.29% | 0.658% |
| 178        | 11.636 | 11.608 | 11.657 | VV | 99509  | 2768585  | 24.02% | 0.558% |
| 179        | 11.674 | 11.657 | 11.684 | VV | 97834  | 1488945  | 12.92% | 0.300% |
| 180        | 11.697 | 11.684 | 11.715 | VV | 104826 | 1798336  | 15.60% | 0.363% |
| 181        | 11.741 | 11.715 | 11.755 | VV | 140846 | 2591196  | 22.48% | 0.523% |
| 182        | 11.771 | 11.755 | 11.800 | VV | 146155 | 2768054  | 24.01% | 0.558% |
| 183        | 11.840 | 11.800 | 11.865 | VV | 83975  | 3109051  | 26.97% | 0.627% |
| 184        | 11.888 | 11.865 | 11.905 | VV | 118211 | 2239606  | 19.43% | 0.452% |
| 185        | 11.922 | 11.905 | 11.976 | VV | 110578 | 3659540  | 31.75% | 0.738% |
| 186        | 12.020 | 11.976 | 12.047 | VV | 138325 | 4140290  | 35.92% | 0.835% |
| 187        | 12.073 | 12.047 | 12.096 | VV | 82114  | 2212119  | 19.19% | 0.446% |
| 188        | 12.118 | 12.096 | 12.125 | VV | 73733  | 1283728  | 11.14% | 0.259% |
| 189        | 12.142 | 12.125 | 12.162 | VV | 85576  | 1744940  | 15.14% | 0.352% |
| 190        | 12.171 | 12.162 | 12.213 | VV | 75771  | 2062226  | 17.89% | 0.416% |
| 191        | 12.238 | 12.213 | 12.252 | VV | 82227  | 1637156  | 14.20% | 0.330% |
| 192        | 12.269 | 12.252 | 12.294 | VV | 82080  | 1793242  | 15.56% | 0.362% |
| 193        | 12.313 | 12.294 | 12.332 | VV | 63782  | 1428292  | 12.39% | 0.288% |
| 194        | 12.351 | 12.332 | 12.369 | VV | 66534  | 1357707  | 11.78% | 0.274% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 12.385 | 12.369 | 12.403 | VV | 65389      | 1234438 | 10.71% | 0.249% |
| 196 | 12.417 | 12.403 | 12.442 | VV | 62072      | 1418765 | 12.31% | 0.286% |
| 197 | 12.477 | 12.442 | 12.501 | VV | 66789      | 2118270 | 18.38% | 0.427% |
| 198 | 12.526 | 12.501 | 12.575 | VV | 76337      | 2818293 | 24.45% | 0.568% |
| 199 | 12.599 | 12.575 | 12.613 | VV | 69522      | 1418229 | 12.30% | 0.286% |
| 200 | 12.635 | 12.613 | 12.655 | VV | 88633      | 1791028 | 15.54% | 0.361% |
| 201 | 12.673 | 12.655 | 12.725 | VV | 71558      | 2493661 | 21.63% | 0.503% |
| 202 | 12.746 | 12.725 | 12.761 | VV | 52830      | 1058471 | 9.18%  | 0.213% |
| 203 | 12.771 | 12.761 | 12.792 | VV | 51094      | 919634  | 7.98%  | 0.185% |
| 204 | 12.821 | 12.792 | 12.841 | VV | 48996      | 1323928 | 11.49% | 0.267% |
| 205 | 12.874 | 12.841 | 12.922 | VV | 45833      | 2015830 | 17.49% | 0.407% |
| 206 | 12.947 | 12.922 | 12.977 | VV | 42024      | 1312372 | 11.39% | 0.265% |
| 207 | 12.999 | 12.977 | 13.021 | VV | 41022      | 997154  | 8.65%  | 0.201% |
| 208 | 13.041 | 13.021 | 13.061 | VV | 38466      | 883673  | 7.67%  | 0.178% |
| 209 | 13.078 | 13.061 | 13.094 | VV | 39531      | 747968  | 6.49%  | 0.151% |
| 210 | 13.120 | 13.094 | 13.149 | VV | 97056      | 1888831 | 16.39% | 0.381% |
| 211 | 13.170 | 13.149 | 13.204 | VV | 51131      | 1373625 | 11.92% | 0.277% |
| 212 | 13.218 | 13.204 | 13.246 | VV | 34212      | 811571  | 7.04%  | 0.164% |
| 213 | 13.255 | 13.246 | 13.274 | VV | 31128      | 496357  | 4.31%  | 0.100% |
| 214 | 13.331 | 13.274 | 13.359 | VV | 32587      | 1478344 | 12.82% | 0.298% |
| 215 | 13.377 | 13.359 | 13.427 | VV | 31992      | 1111035 | 9.64%  | 0.224% |
| 216 | 13.442 | 13.427 | 13.483 | VV | 25182      | 803478  | 6.97%  | 0.162% |
| 217 | 13.508 | 13.483 | 13.532 | VV | 28934      | 737096  | 6.39%  | 0.149% |
| 218 | 13.557 | 13.532 | 13.582 | VV | 23033      | 651953  | 5.66%  | 0.131% |
| 219 | 13.599 | 13.582 | 13.657 | VV | 21108      | 868938  | 7.54%  | 0.175% |
| 220 | 13.671 | 13.657 | 13.682 | VV | 17769      | 261152  | 2.27%  | 0.053% |
| 221 | 13.704 | 13.682 | 13.713 | VV | 18799      | 329245  | 2.86%  | 0.066% |
| 222 | 13.721 | 13.713 | 13.754 | VV | 18903      | 441098  | 3.83%  | 0.089% |
| 223 | 13.780 | 13.754 | 13.819 | VV | 20018      | 673089  | 5.84%  | 0.136% |
| 224 | 13.827 | 13.819 | 13.847 | VV | 15270      | 243925  | 2.12%  | 0.049% |
| 225 | 13.856 | 13.847 | 13.881 | VV | 14451      | 280227  | 2.43%  | 0.057% |
| 226 | 13.892 | 13.881 | 13.912 | VV | 13722      | 253021  | 2.20%  | 0.051% |
| 227 | 13.924 | 13.912 | 13.937 | VV | 14018      | 208149  | 1.81%  | 0.042% |
| 228 | 13.952 | 13.937 | 13.977 | VV | 13403      | 303881  | 2.64%  | 0.061% |
| 229 | 14.005 | 13.977 | 14.041 | VV | 12141      | 435247  | 3.78%  | 0.088% |
| 230 | 14.100 | 14.041 | 14.133 | VV | 13745      | 608007  | 5.27%  | 0.123% |
| 231 | 14.140 | 14.133 | 14.148 | VV | 9343       | 84171   | 0.73%  | 0.017% |
| 232 | 14.163 | 14.148 | 14.212 | VV | 9803       | 340690  | 2.96%  | 0.069% |
| 233 | 14.245 | 14.212 | 14.319 | VV | 9196       | 510462  | 4.43%  | 0.103% |
| 234 | 14.336 | 14.319 | 14.411 | VV | 7272       | 356790  | 3.10%  | 0.072% |
| 235 | 14.425 | 14.411 | 14.462 | VV | 6234       | 176046  | 1.53%  | 0.036% |
| 236 | 14.470 | 14.462 | 14.478 | VV | 5531       | 51759   | 0.45%  | 0.010% |
| 237 | 14.493 | 14.478 | 14.525 | VV | 5847       | 154873  | 1.34%  | 0.031% |
| 238 | 14.551 | 14.525 | 14.632 | VV | 6110       | 311887  | 2.71%  | 0.063% |
| 239 | 14.640 | 14.632 | 14.664 | VV | 4013       | 74806   | 0.65%  | 0.015% |
| 240 | 14.680 | 14.664 | 14.760 | VV | 3957       | 204836  | 1.78%  | 0.041% |
| 241 | 14.783 | 14.760 | 14.842 | VV | 3058       | 140989  | 1.22%  | 0.028% |
| 242 | 14.859 | 14.842 | 14.934 | VV | 2706       | 134159  | 1.16%  | 0.027% |
| 243 | 14.963 | 14.934 | 15.012 | VV | 2986       | 109564  | 0.95%  | 0.022% |
| 244 | 15.022 | 15.012 | 15.085 | VV | 2156       | 81982   | 0.71%  | 0.017% |
| 245 | 15.108 | 15.085 | 15.137 | VV | 1902       | 50861   | 0.44%  | 0.010% |
| 246 | 15.147 | 15.137 | 15.198 | VV | 1359       | 45823   | 0.40%  | 0.009% |

|     |        |        |        |    |            |        |       |        |  |
|-----|--------|--------|--------|----|------------|--------|-------|--------|--|
|     |        |        |        |    | rteres.txt |        |       |        |  |
| 247 | 15.214 | 15.198 | 15.281 | VV | 1413       | 56439  | 0.49% | 0.011% |  |
| 248 | 15.299 | 15.281 | 15.354 | VV | 1064       | 40926  | 0.36% | 0.008% |  |
| 249 | 15.376 | 15.354 | 15.396 | VV | 902        | 21975  | 0.19% | 0.004% |  |
| 250 | 15.404 | 15.396 | 15.457 | VV | 890        | 26943  | 0.23% | 0.005% |  |
| 251 | 15.483 | 15.457 | 15.617 | VV | 1669       | 69614  | 0.60% | 0.014% |  |
| 252 | 15.632 | 15.617 | 15.650 | VV | 360        | 6253   | 0.05% | 0.001% |  |
| 253 | 15.667 | 15.650 | 15.689 | VV | 374        | 6587   | 0.06% | 0.001% |  |
| 254 | 15.709 | 15.689 | 15.732 | VV | 335        | 7106   | 0.06% | 0.001% |  |
| 255 | 15.747 | 15.732 | 15.769 | VV | 439        | 6630   | 0.06% | 0.001% |  |
| 256 | 15.796 | 15.769 | 15.844 | VV | 515        | 15764  | 0.14% | 0.003% |  |
| 257 | 15.848 | 15.844 | 15.859 | VV | 214        | 1760   | 0.02% | 0.000% |  |
| 258 | 15.866 | 15.859 | 15.911 | VV | 218        | 4622   | 0.04% | 0.001% |  |
| 259 | 15.939 | 15.911 | 15.961 | VV | 315        | 5970   | 0.05% | 0.001% |  |
| 260 | 15.981 | 15.961 | 16.007 | VV | 1662       | 22187  | 0.19% | 0.004% |  |
| 261 | 16.016 | 16.007 | 16.063 | VV | 296        | 6596   | 0.06% | 0.001% |  |
| 262 | 16.079 | 16.063 | 16.094 | VV | 157        | 1632   | 0.01% | 0.000% |  |
| 263 | 16.113 | 16.094 | 16.149 | PV | 208        | 3251   | 0.03% | 0.001% |  |
| 264 | 16.190 | 16.149 | 16.216 | VV | 226        | 5253   | 0.05% | 0.001% |  |
| 265 | 16.233 | 16.216 | 16.242 | VV | 130        | 1524   | 0.01% | 0.000% |  |
| 266 | 16.293 | 16.242 | 16.342 | VV | 300        | 8840   | 0.08% | 0.002% |  |
| 267 | 16.356 | 16.342 | 16.386 | VV | 212        | 2969   | 0.03% | 0.001% |  |
| 268 | 16.423 | 16.401 | 16.437 | VV | 237        | 3056   | 0.03% | 0.001% |  |
| 269 | 16.462 | 16.437 | 16.526 | VV | 2071       | 31079  | 0.27% | 0.006% |  |
| 270 | 16.541 | 16.526 | 16.549 | VV | 198        | 1436   | 0.01% | 0.000% |  |
| 271 | 16.573 | 16.549 | 16.601 | PV | 148        | 2350   | 0.02% | 0.000% |  |
| 272 | 16.682 | 16.601 | 16.722 | PV | 226        | 9948   | 0.09% | 0.002% |  |
| 273 | 16.745 | 16.722 | 16.777 | PV | 193        | 4041   | 0.04% | 0.001% |  |
| 274 | 16.809 | 16.777 | 16.841 | VV | 368        | 6189   | 0.05% | 0.001% |  |
| 275 | 16.927 | 16.841 | 16.954 | VV | 3123       | 46066  | 0.40% | 0.009% |  |
| 276 | 16.978 | 16.954 | 17.031 | VV | 717        | 12910  | 0.11% | 0.003% |  |
| 277 | 17.064 | 17.031 | 17.073 | VV | 265        | 3147   | 0.03% | 0.001% |  |
| 278 | 17.089 | 17.073 | 17.100 | VV | 184        | 2255   | 0.02% | 0.000% |  |
| 279 | 17.169 | 17.100 | 17.177 | VV | 250        | 7823   | 0.07% | 0.002% |  |
| 280 | 17.197 | 17.177 | 17.207 | VV | 384        | 4790   | 0.04% | 0.001% |  |
| 281 | 17.216 | 17.207 | 17.234 | VV | 243        | 3400   | 0.03% | 0.001% |  |
| 282 | 17.259 | 17.234 | 17.289 | VV | 316        | 7383   | 0.06% | 0.001% |  |
| 283 | 17.312 | 17.289 | 17.334 | VV | 293        | 6554   | 0.06% | 0.001% |  |
| 284 | 17.376 | 17.334 | 17.414 | VV | 3852       | 60763  | 0.53% | 0.012% |  |
| 285 | 17.427 | 17.414 | 17.441 | VV | 329        | 4335   | 0.04% | 0.001% |  |
| 286 | 17.475 | 17.441 | 17.484 | VV | 507        | 10013  | 0.09% | 0.002% |  |
| 287 | 17.510 | 17.484 | 17.537 | VV | 508        | 13152  | 0.11% | 0.003% |  |
| 288 | 17.556 | 17.537 | 17.577 | VV | 394        | 8889   | 0.08% | 0.002% |  |
| 289 | 17.659 | 17.577 | 17.681 | VV | 584        | 28401  | 0.25% | 0.006% |  |
| 290 | 17.812 | 17.681 | 17.854 | VV | 5009       | 122753 | 1.06% | 0.025% |  |
| 291 | 17.888 | 17.854 | 17.897 | VV | 915        | 22230  | 0.19% | 0.004% |  |
| 292 | 17.974 | 17.897 | 17.992 | VV | 1310       | 58741  | 0.51% | 0.012% |  |
| 293 | 18.000 | 17.992 | 18.017 | VV | 1206       | 17301  | 0.15% | 0.003% |  |
| 294 | 18.083 | 18.017 | 18.108 | VV | 1588       | 70523  | 0.61% | 0.014% |  |
| 295 | 18.234 | 18.108 | 18.266 | VV | 5268       | 192952 | 1.67% | 0.039% |  |
| 296 | 18.345 | 18.266 | 18.376 | VV | 2197       | 122478 | 1.06% | 0.025% |  |
| 297 | 18.497 | 18.376 | 18.516 | VV | 2564       | 183167 | 1.59% | 0.037% |  |
| 298 | 18.546 | 18.516 | 18.569 | VV | 2539       | 79068  | 0.69% | 0.016% |  |
| 299 | 18.641 | 18.569 | 18.684 | VV | 6171       | 240458 | 2.09% | 0.048% |  |

|     |        |        |        |    |                         |        |           |        |
|-----|--------|--------|--------|----|-------------------------|--------|-----------|--------|
|     |        |        |        |    | rteres.txt              |        |           |        |
| 300 | 19.038 | 18.684 | 19.066 | VV | 6696                    | 878853 | 7.62%     | 0.177% |
| 301 | 19.099 | 19.066 | 19.109 | VV | 4776                    | 121900 | 1.06%     | 0.025% |
|     |        |        |        |    | Sum of corrected areas: |        | 495863585 |        |

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