

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC062819AL\  
 Data File : FC042100.D  
 Signal(s) : FID1A.CH  
 Acq On : 28 Jun 2019 17:14  
 Sample : K3163-13  
 Misc :  
 ALS Vial : 9 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        | 3.593      | BV       | 183            | 5520         | 0.02%          | 0.003%        |
| 2         | 3.600       | 3.593        | 3.679      | PV       | 129            | 4228         | 0.02%          | 0.002%        |
| 3         | 3.689       | 3.679        | 3.724      | VV       | 211            | 3535         | 0.02%          | 0.002%        |
| 4         | 3.732       | 3.724        | 3.751      | PV       | 211            | 2031         | 0.01%          | 0.001%        |
| 5         | 3.781       | 3.751        | 3.852      | VV       | 417            | 9678         | 0.04%          | 0.005%        |
| 6         | 3.863       | 3.852        | 3.961      | VV       | 331            | 10275        | 0.04%          | 0.006%        |
| 7         | 3.966       | 3.961        | 4.027      | VV       | 184            | 5221         | 0.02%          | 0.003%        |
| 8         | 4.065       | 4.046        | 4.126      | PV       | 346            | 9339         | 0.04%          | 0.005%        |
| 9         | 4.148       | 4.126        | 4.176      | VV       | 922            | 14701        | 0.06%          | 0.008%        |
| 10        | 4.185       | 4.176        | 4.231      | VV       | 505            | 10448        | 0.05%          | 0.006%        |
| 11        | 4.247       | 4.231        | 4.284      | VV       | 275            | 6176         | 0.03%          | 0.003%        |
| 12        | 4.330       | 4.284        | 4.424      | VV       | 2312           | 36819        | 0.16%          | 0.020%        |
| 13        | 4.429       | 4.424        | 4.452      | VV       | 203            | 1788         | 0.01%          | 0.001%        |
| 14        | 4.470       | 4.452        | 4.492      | PV       | 127            | 1693         | 0.01%          | 0.001%        |
| 15        | 4.512       | 4.492        | 4.532      | VV       | 169            | 3062         | 0.01%          | 0.002%        |
| 16        | 4.556       | 4.532        | 4.594      | VV       | 510            | 7108         | 0.03%          | 0.004%        |
| 17        | 4.606       | 4.594        | 4.618      | VV       | 261            | 2418         | 0.01%          | 0.001%        |
| 18        | 4.644       | 4.618        | 4.682      | VV       | 2577           | 26891        | 0.12%          | 0.015%        |
| 19        | 4.702       | 4.682        | 4.742      | VV       | 434            | 8227         | 0.04%          | 0.004%        |
| 20        | 4.779       | 4.742        | 4.798      | PV       | 567            | 8820         | 0.04%          | 0.005%        |
| 21        | 4.806       | 4.798        | 4.825      | VV       | 313            | 3266         | 0.01%          | 0.002%        |
| 22        | 4.842       | 4.825        | 4.877      | PV       | 339            | 4866         | 0.02%          | 0.003%        |
| 23        | 4.899       | 4.877        | 4.922      | VV       | 397            | 7595         | 0.03%          | 0.004%        |
| 24        | 4.937       | 4.922        | 4.953      | VV       | 452            | 4510         | 0.02%          | 0.002%        |
| 25        | 4.973       | 4.953        | 4.994      | VV       | 334            | 5565         | 0.02%          | 0.003%        |
| 26        | 5.010       | 4.994        | 5.024      | VV       | 442            | 5233         | 0.02%          | 0.003%        |
| 27        | 5.036       | 5.024        | 5.054      | VV       | 539            | 5943         | 0.03%          | 0.003%        |
| 28        | 5.087       | 5.054        | 5.104      | VV       | 286            | 3673         | 0.02%          | 0.002%        |
| 29        | 5.125       | 5.104        | 5.137      | VV       | 236            | 2429         | 0.01%          | 0.001%        |
| 30        | 5.151       | 5.137        | 5.172      | VV       | 317            | 3704         | 0.02%          | 0.002%        |
| 31        | 5.192       | 5.172        | 5.226      | VV       | 595            | 13754        | 0.06%          | 0.007%        |
| 32        | 5.252       | 5.226        | 5.263      | VV       | 527            | 7463         | 0.03%          | 0.004%        |
| 33        | 5.276       | 5.263        | 5.285      | VV       | 769            | 7751         | 0.03%          | 0.004%        |
| 34        | 5.297       | 5.285        | 5.315      | VV       | 892            | 11039        | 0.05%          | 0.006%        |
| 35        | 5.326       | 5.315        | 5.347      | VV       | 527            | 6266         | 0.03%          | 0.003%        |
| 36        | 5.355       | 5.347        | 5.375      | VV       | 149            | 2388         | 0.01%          | 0.001%        |

|    |       |       |       |    | rteres |        |       |        |
|----|-------|-------|-------|----|--------|--------|-------|--------|
| 37 | 5.409 | 5.375 | 5.446 | VV | 835    | 19160  | 0.08% | 0.010% |
| 38 | 5.468 | 5.446 | 5.507 | VV | 993    | 22054  | 0.10% | 0.012% |
| 39 | 5.514 | 5.507 | 5.527 | VV | 375    | 3511   | 0.02% | 0.002% |
| 40 | 5.544 | 5.527 | 5.567 | VV | 660    | 8498   | 0.04% | 0.005% |
| 41 | 5.587 | 5.567 | 5.607 | PV | 2165   | 29359  | 0.13% | 0.016% |
| 42 | 5.625 | 5.607 | 5.644 | VV | 3465   | 37363  | 0.16% | 0.020% |
| 43 | 5.659 | 5.644 | 5.707 | VV | 831    | 15565  | 0.07% | 0.008% |
| 44 | 5.743 | 5.707 | 5.757 | VV | 336    | 6738   | 0.03% | 0.004% |
| 45 | 5.780 | 5.757 | 5.846 | VV | 2461   | 37246  | 0.16% | 0.020% |
| 46 | 5.877 | 5.846 | 5.912 | VV | 2791   | 53615  | 0.23% | 0.029% |
| 47 | 5.928 | 5.912 | 5.944 | VV | 1197   | 12859  | 0.06% | 0.007% |
| 48 | 5.967 | 5.944 | 5.984 | VV | 2550   | 33581  | 0.14% | 0.018% |
| 49 | 5.996 | 5.984 | 6.024 | VV | 1324   | 20387  | 0.09% | 0.011% |
| 50 | 6.041 | 6.024 | 6.067 | VV | 1916   | 21246  | 0.09% | 0.012% |
| 51 | 6.089 | 6.067 | 6.116 | PV | 1899   | 28831  | 0.12% | 0.016% |
| 52 | 6.144 | 6.116 | 6.158 | VV | 2230   | 30098  | 0.13% | 0.016% |
| 53 | 6.183 | 6.158 | 6.206 | VV | 1657   | 30806  | 0.13% | 0.017% |
| 54 | 6.224 | 6.206 | 6.251 | VV | 1630   | 22833  | 0.10% | 0.012% |
| 55 | 6.276 | 6.251 | 6.298 | VV | 4220   | 62709  | 0.27% | 0.034% |
| 56 | 6.317 | 6.298 | 6.341 | VV | 2031   | 36800  | 0.16% | 0.020% |
| 57 | 6.356 | 6.341 | 6.378 | VV | 2347   | 30126  | 0.13% | 0.016% |
| 58 | 6.408 | 6.378 | 6.428 | VV | 2785   | 44977  | 0.19% | 0.024% |
| 59 | 6.447 | 6.428 | 6.464 | VV | 1167   | 14897  | 0.06% | 0.008% |
| 60 | 6.508 | 6.464 | 6.534 | VV | 4000   | 72205  | 0.31% | 0.039% |
| 61 | 6.561 | 6.534 | 6.577 | VV | 7258   | 83280  | 0.36% | 0.045% |
| 62 | 6.587 | 6.577 | 6.624 | VV | 2881   | 38220  | 0.16% | 0.021% |
| 63 | 6.654 | 6.624 | 6.666 | VV | 1002   | 18047  | 0.08% | 0.010% |
| 64 | 6.680 | 6.666 | 6.689 | VV | 1737   | 18587  | 0.08% | 0.010% |
| 65 | 6.709 | 6.689 | 6.729 | VV | 3705   | 52346  | 0.23% | 0.028% |
| 66 | 6.764 | 6.729 | 6.802 | VV | 3014   | 59742  | 0.26% | 0.032% |
| 67 | 6.845 | 6.802 | 6.865 | VV | 4759   | 76565  | 0.33% | 0.041% |
| 68 | 6.904 | 6.865 | 6.932 | PV | 2982   | 58512  | 0.25% | 0.032% |
| 69 | 6.969 | 6.932 | 6.992 | VV | 12555  | 144211 | 0.62% | 0.078% |
| 70 | 7.005 | 6.992 | 7.019 | VV | 1696   | 18660  | 0.08% | 0.010% |
| 71 | 7.036 | 7.019 | 7.050 | VV | 2631   | 33888  | 0.15% | 0.018% |
| 72 | 7.080 | 7.050 | 7.104 | VV | 3374   | 75175  | 0.32% | 0.041% |
| 73 | 7.125 | 7.104 | 7.146 | VV | 5082   | 76961  | 0.33% | 0.042% |
| 74 | 7.161 | 7.146 | 7.179 | VV | 2670   | 41553  | 0.18% | 0.023% |
| 75 | 7.197 | 7.179 | 7.245 | VV | 8982   | 145542 | 0.63% | 0.079% |
| 76 | 7.264 | 7.245 | 7.307 | VV | 4914   | 105772 | 0.46% | 0.057% |
| 77 | 7.329 | 7.307 | 7.350 | VV | 3885   | 63775  | 0.28% | 0.035% |
| 78 | 7.365 | 7.350 | 7.384 | VV | 2714   | 38391  | 0.17% | 0.021% |
| 79 | 7.407 | 7.384 | 7.429 | VV | 1729   | 38805  | 0.17% | 0.021% |
| 80 | 7.477 | 7.429 | 7.514 | VV | 21646  | 372306 | 1.61% | 0.202% |
| 81 | 7.530 | 7.514 | 7.544 | VV | 4937   | 61033  | 0.26% | 0.033% |
| 82 | 7.560 | 7.544 | 7.622 | VV | 3663   | 102849 | 0.44% | 0.056% |
| 83 | 7.660 | 7.622 | 7.674 | VV | 7926   | 120375 | 0.52% | 0.065% |
| 84 | 7.682 | 7.674 | 7.699 | VV | 5524   | 61135  | 0.26% | 0.033% |
| 85 | 7.713 | 7.699 | 7.744 | VV | 4337   | 59065  | 0.25% | 0.032% |
| 86 | 7.759 | 7.744 | 7.768 | VV | 2139   | 22681  | 0.10% | 0.012% |
| 87 | 7.843 | 7.835 | 7.859 | VV | 4464   | 55224  | 0.24% | 0.030% |
| 88 | 7.876 | 7.859 | 7.899 | VV | 4988   | 99010  | 0.43% | 0.054% |
| 89 | 7.921 | 7.899 | 7.942 | VV | 5968   | 129882 | 0.56% | 0.070% |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 90  | 7.956  | 7.942  | 7.976  | VV | 5202   | 81553  | 0.35% | 0.044% |
| 91  | 7.999  | 7.976  | 8.019  | VV | 7661   | 107249 | 0.46% | 0.058% |
| 92  | 8.044  | 8.019  | 8.064  | VV | 6522   | 102912 | 0.44% | 0.056% |
| 93  | 8.093  | 8.064  | 8.142  | VV | 10388  | 249708 | 1.08% | 0.135% |
| 94  | 8.168  | 8.142  | 8.190  | VV | 10575  | 158664 | 0.68% | 0.086% |
| 95  | 8.202  | 8.190  | 8.216  | VV | 3869   | 50595  | 0.22% | 0.027% |
| 96  | 8.236  | 8.216  | 8.246  | VV | 3263   | 55406  | 0.24% | 0.030% |
| 97  | 8.284  | 8.246  | 8.295  | VV | 10144  | 202434 | 0.87% | 0.110% |
| 98  | 8.311  | 8.295  | 8.326  | VV | 14828  | 195806 | 0.85% | 0.106% |
| 99  | 8.345  | 8.326  | 8.381  | VV | 31861  | 441348 | 1.90% | 0.239% |
| 100 | 8.408  | 8.381  | 8.435  | VV | 35897  | 469382 | 2.03% | 0.254% |
| 101 | 8.464  | 8.435  | 8.486  | VV | 7811   | 176876 | 0.76% | 0.096% |
| 102 | 8.517  | 8.486  | 8.530  | VV | 7482   | 124029 | 0.54% | 0.067% |
| 103 | 8.540  | 8.530  | 8.554  | VV | 6216   | 71690  | 0.31% | 0.039% |
| 104 | 8.576  | 8.554  | 8.610  | VV | 9133   | 177479 | 0.77% | 0.096% |
| 105 | 8.706  | 8.697  | 8.715  | VV | 6883   | 67426  | 0.29% | 0.037% |
| 106 | 8.722  | 8.715  | 8.736  | VV | 6677   | 77811  | 0.34% | 0.042% |
| 107 | 8.763  | 8.736  | 8.777  | VV | 8066   | 168830 | 0.73% | 0.091% |
| 108 | 8.791  | 8.777  | 8.822  | VV | 7980   | 182266 | 0.79% | 0.099% |
| 109 | 8.832  | 8.822  | 8.846  | VV | 7593   | 89048  | 0.38% | 0.048% |
| 110 | 8.879  | 8.846  | 8.904  | VV | 17847  | 295969 | 1.28% | 0.160% |
| 111 | 8.929  | 8.904  | 8.943  | VV | 6475   | 107277 | 0.46% | 0.058% |
| 112 | 8.956  | 8.943  | 8.978  | VV | 5451   | 89550  | 0.39% | 0.049% |
| 113 | 8.998  | 8.978  | 9.017  | VV | 6452   | 120745 | 0.52% | 0.065% |
| 114 | 9.033  | 9.017  | 9.073  | VV | 6099   | 163142 | 0.70% | 0.088% |
| 115 | 9.112  | 9.073  | 9.132  | VV | 6800   | 178905 | 0.77% | 0.097% |
| 116 | 9.163  | 9.132  | 9.194  | VV | 39427  | 547419 | 2.36% | 0.297% |
| 117 | 9.210  | 9.194  | 9.233  | VV | 6497   | 119429 | 0.52% | 0.065% |
| 118 | 9.248  | 9.233  | 9.284  | VV | 6140   | 140175 | 0.60% | 0.076% |
| 119 | 9.300  | 9.284  | 9.311  | VV | 4480   | 63091  | 0.27% | 0.034% |
| 120 | 9.324  | 9.311  | 9.342  | VV | 5648   | 90092  | 0.39% | 0.049% |
| 121 | 9.359  | 9.342  | 9.385  | VV | 4559   | 111141 | 0.48% | 0.060% |
| 122 | 9.401  | 9.385  | 9.434  | VV | 5884   | 134218 | 0.58% | 0.073% |
| 123 | 9.456  | 9.434  | 9.476  | VV | 6330   | 119607 | 0.52% | 0.065% |
| 124 | 9.495  | 9.476  | 9.509  | VV | 5279   | 84011  | 0.36% | 0.046% |
| 125 | 9.540  | 9.509  | 9.564  | VV | 12714  | 253809 | 1.10% | 0.138% |
| 126 | 9.574  | 9.564  | 9.592  | VV | 6212   | 96720  | 0.42% | 0.052% |
| 127 | 9.622  | 9.592  | 9.646  | VV | 10177  | 218133 | 0.94% | 0.118% |
| 128 | 9.665  | 9.646  | 9.684  | VV | 8533   | 139437 | 0.60% | 0.076% |
| 129 | 9.695  | 9.684  | 9.705  | VV | 6059   | 69559  | 0.30% | 0.038% |
| 130 | 9.719  | 9.705  | 9.751  | VV | 8228   | 150757 | 0.65% | 0.082% |
| 131 | 9.779  | 9.751  | 9.807  | VV | 4499   | 120674 | 0.52% | 0.065% |
| 132 | 9.823  | 9.807  | 9.837  | VV | 3635   | 58483  | 0.25% | 0.032% |
| 133 | 9.897  | 9.837  | 9.916  | VV | 7911   | 281362 | 1.21% | 0.152% |
| 134 | 9.937  | 9.916  | 9.989  | VV | 45544  | 639466 | 2.76% | 0.346% |
| 135 | 10.021 | 9.989  | 10.034 | VV | 4305   | 108471 | 0.47% | 0.059% |
| 136 | 10.042 | 10.034 | 10.074 | VV | 4227   | 84178  | 0.36% | 0.046% |
| 137 | 10.116 | 10.074 | 10.177 | VV | 4705   | 193633 | 0.84% | 0.105% |
| 138 | 10.214 | 10.177 | 10.237 | VV | 3945   | 102109 | 0.44% | 0.055% |
| 139 | 10.281 | 10.237 | 10.296 | VV | 7290   | 155130 | 0.67% | 0.084% |
| 140 | 10.325 | 10.296 | 10.357 | VV | 20204  | 351098 | 1.52% | 0.190% |
| 141 | 10.376 | 10.357 | 10.397 | VV | 6519   | 131731 | 0.57% | 0.071% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 10.413 | 10.397 | 10.442 | VV | 9576   | 160226  | 0.69%  | 0.087% |
| 143 | 10.466 | 10.442 | 10.502 | VV | 9440   | 179379  | 0.77%  | 0.097% |
| 144 | 10.528 | 10.502 | 10.541 | VV | 3018   | 59024   | 0.25%  | 0.032% |
| 145 | 10.598 | 10.541 | 10.637 | VV | 5940   | 230298  | 0.99%  | 0.125% |
|     |        |        |        |    |        |         |        |        |
| 146 | 10.672 | 10.637 | 10.700 | VV | 47529  | 637309  | 2.75%  | 0.345% |
| 147 | 10.744 | 10.700 | 10.782 | VV | 19977  | 469668  | 2.03%  | 0.254% |
| 148 | 10.791 | 10.782 | 10.829 | VV | 4052   | 87642   | 0.38%  | 0.047% |
| 149 | 10.886 | 10.829 | 10.908 | VV | 2654   | 106634  | 0.46%  | 0.058% |
| 150 | 10.939 | 10.908 | 10.970 | VV | 23953  | 330581  | 1.43%  | 0.179% |
|     |        |        |        |    |        |         |        |        |
| 151 | 11.014 | 10.970 | 11.036 | VV | 12327  | 253958  | 1.10%  | 0.138% |
| 152 | 11.065 | 11.036 | 11.104 | VV | 7908   | 203097  | 0.88%  | 0.110% |
| 153 | 11.124 | 11.104 | 11.160 | VV | 6167   | 110713  | 0.48%  | 0.060% |
| 154 | 11.178 | 11.160 | 11.205 | VV | 4967   | 81216   | 0.35%  | 0.044% |
| 155 | 11.230 | 11.205 | 11.266 | VV | 2876   | 75841   | 0.33%  | 0.041% |
|     |        |        |        |    |        |         |        |        |
| 156 | 11.298 | 11.266 | 11.311 | VV | 2743   | 57286   | 0.25%  | 0.031% |
| 157 | 11.372 | 11.311 | 11.396 | VV | 44752  | 569298  | 2.46%  | 0.308% |
| 158 | 11.420 | 11.396 | 11.437 | VV | 4138   | 85474   | 0.37%  | 0.046% |
| 159 | 11.463 | 11.437 | 11.499 | VV | 17121  | 262985  | 1.13%  | 0.142% |
| 160 | 11.503 | 11.499 | 11.511 | VV | 1359   | 9429    | 0.04%  | 0.005% |
|     |        |        |        |    |        |         |        |        |
| 161 | 11.529 | 11.511 | 11.550 | VV | 2554   | 36734   | 0.16%  | 0.020% |
| 162 | 11.568 | 11.550 | 11.582 | VV | 2048   | 29095   | 0.13%  | 0.016% |
| 163 | 11.590 | 11.582 | 11.602 | VV | 1910   | 19209   | 0.08%  | 0.010% |
| 164 | 11.625 | 11.602 | 11.647 | VV | 2224   | 51512   | 0.22%  | 0.028% |
| 165 | 11.697 | 11.647 | 11.722 | VV | 233230 | 2486537 | 10.73% | 1.347% |
|     |        |        |        |    |        |         |        |        |
| 166 | 11.735 | 11.722 | 11.749 | VV | 6822   | 88599   | 0.38%  | 0.048% |
| 167 | 11.769 | 11.749 | 11.791 | VV | 10732  | 159301  | 0.69%  | 0.086% |
| 168 | 11.803 | 11.791 | 11.821 | VV | 5040   | 69881   | 0.30%  | 0.038% |
| 169 | 11.853 | 11.821 | 11.872 | VV | 9698   | 157486  | 0.68%  | 0.085% |
| 170 | 11.888 | 11.872 | 11.904 | VV | 5380   | 77418   | 0.33%  | 0.042% |
|     |        |        |        |    |        |         |        |        |
| 171 | 11.928 | 11.904 | 11.959 | VV | 21305  | 292720  | 1.26%  | 0.159% |
| 172 | 11.982 | 11.959 | 11.997 | VV | 1753   | 34166   | 0.15%  | 0.019% |
| 173 | 12.039 | 11.997 | 12.062 | VV | 36546  | 503437  | 2.17%  | 0.273% |
| 174 | 12.094 | 12.062 | 12.127 | VV | 548008 | 6026311 | 26.01% | 3.265% |
| 175 | 12.139 | 12.127 | 12.186 | VV | 2927   | 54514   | 0.24%  | 0.030% |
|     |        |        |        |    |        |         |        |        |
| 176 | 12.205 | 12.186 | 12.222 | VV | 1888   | 21202   | 0.09%  | 0.011% |
| 177 | 12.238 | 12.222 | 12.252 | VV | 1682   | 19473   | 0.08%  | 0.011% |
| 178 | 12.285 | 12.252 | 12.298 | VV | 4947   | 68795   | 0.30%  | 0.037% |
| 179 | 12.309 | 12.298 | 12.334 | VV | 2967   | 49064   | 0.21%  | 0.027% |
| 180 | 12.345 | 12.334 | 12.364 | VV | 2186   | 26985   | 0.12%  | 0.015% |
|     |        |        |        |    |        |         |        |        |
| 181 | 12.379 | 12.364 | 12.396 | VV | 1851   | 23865   | 0.10%  | 0.013% |
| 182 | 12.416 | 12.396 | 12.434 | VV | 3761   | 56866   | 0.25%  | 0.031% |
| 183 | 12.451 | 12.434 | 12.484 | VV | 4321   | 64340   | 0.28%  | 0.035% |
| 184 | 12.500 | 12.484 | 12.516 | VV | 2853   | 37203   | 0.16%  | 0.020% |
| 185 | 12.554 | 12.516 | 12.576 | VV | 8892   | 146574  | 0.63%  | 0.079% |
|     |        |        |        |    |        |         |        |        |
| 186 | 12.594 | 12.576 | 12.619 | VV | 2718   | 44228   | 0.19%  | 0.024% |
| 187 | 12.634 | 12.619 | 12.650 | VV | 5005   | 60982   | 0.26%  | 0.033% |
| 188 | 12.675 | 12.650 | 12.710 | VV | 34181  | 444004  | 1.92%  | 0.241% |
| 189 | 12.751 | 12.710 | 12.792 | VV | 46228  | 636147  | 2.75%  | 0.345% |
| 190 | 12.798 | 12.792 | 12.807 | VV | 921    | 7520    | 0.03%  | 0.004% |
|     |        |        |        |    |        |         |        |        |
| 191 | 12.820 | 12.807 | 12.837 | VV | 1008   | 12425   | 0.05%  | 0.007% |
| 192 | 12.849 | 12.837 | 12.862 | VV | 509    | 4273    | 0.02%  | 0.002% |
| 193 | 12.892 | 12.862 | 12.907 | PV | 2030   | 31714   | 0.14%  | 0.017% |
| 194 | 12.938 | 12.907 | 12.955 | VV | 3554   | 66980   | 0.29%  | 0.036% |

|     |        |        |        |    |         |          |         |         |
|-----|--------|--------|--------|----|---------|----------|---------|---------|
|     |        |        |        |    | rteres  |          |         |         |
| 195 | 12.984 | 12.955 | 13.017 | VV | 8701    | 144007   | 0.62%   | 0.078%  |
| 196 | 13.049 | 13.017 | 13.074 | VV | 40522   | 512242   | 2.21%   | 0.278%  |
| 197 | 13.118 | 13.074 | 13.147 | VV | 1218549 | 19547203 | 84.36%  | 10.591% |
| 198 | 13.178 | 13.147 | 13.245 | VV | 1654303 | 23171930 | 100.00% | 12.555% |
| 199 | 13.258 | 13.245 | 13.267 | VV | 4904    | 53844    | 0.23%   | 0.029%  |
| 200 | 13.286 | 13.267 | 13.307 | VV | 28201   | 357743   | 1.54%   | 0.194%  |
| 201 | 13.340 | 13.307 | 13.391 | VV | 222502  | 3008855  | 12.98%  | 1.630%  |
| 202 | 13.400 | 13.391 | 13.417 | VV | 16433   | 192829   | 0.83%   | 0.104%  |
| 203 | 13.430 | 13.417 | 13.487 | VV | 9342    | 183400   | 0.79%   | 0.099%  |
| 204 | 13.517 | 13.487 | 13.576 | VV | 7305    | 203635   | 0.88%   | 0.110%  |
| 205 | 13.633 | 13.576 | 13.665 | VV | 61689   | 901331   | 3.89%   | 0.488%  |
| 206 | 13.676 | 13.665 | 13.692 | VV | 3143    | 36977    | 0.16%   | 0.020%  |
| 207 | 13.713 | 13.692 | 13.730 | VV | 6502    | 86884    | 0.37%   | 0.047%  |
| 208 | 13.750 | 13.730 | 13.773 | VV | 11156   | 155986   | 0.67%   | 0.085%  |
| 209 | 13.789 | 13.773 | 13.809 | VV | 4465    | 59713    | 0.26%   | 0.032%  |
| 210 | 13.828 | 13.809 | 13.846 | VV | 2976    | 37304    | 0.16%   | 0.020%  |
| 211 | 13.869 | 13.846 | 13.890 | PV | 30051   | 399569   | 1.72%   | 0.216%  |
| 212 | 13.914 | 13.890 | 13.941 | VV | 16757   | 310412   | 1.34%   | 0.168%  |
| 213 | 13.968 | 13.941 | 14.023 | VV | 15175   | 399905   | 1.73%   | 0.217%  |
| 214 | 14.132 | 14.023 | 14.157 | VV | 34469   | 789290   | 3.41%   | 0.428%  |
| 215 | 14.168 | 14.157 | 14.199 | VV | 33075   | 474383   | 2.05%   | 0.257%  |
| 216 | 14.220 | 14.199 | 14.241 | VV | 6533    | 134934   | 0.58%   | 0.073%  |
| 217 | 14.276 | 14.241 | 14.296 | VV | 16365   | 318040   | 1.37%   | 0.172%  |
| 218 | 14.322 | 14.296 | 14.339 | VV | 34723   | 514605   | 2.22%   | 0.279%  |
| 219 | 14.355 | 14.339 | 14.406 | VV | 21236   | 444141   | 1.92%   | 0.241%  |
| 220 | 14.431 | 14.406 | 14.459 | VV | 30516   | 459046   | 1.98%   | 0.249%  |
| 221 | 14.486 | 14.459 | 14.522 | VV | 41571   | 666325   | 2.88%   | 0.361%  |
| 222 | 14.547 | 14.522 | 14.574 | VV | 16387   | 273399   | 1.18%   | 0.148%  |
| 223 | 14.600 | 14.574 | 14.629 | VV | 12910   | 247283   | 1.07%   | 0.134%  |
| 224 | 14.652 | 14.629 | 14.702 | VV | 6439    | 170428   | 0.74%   | 0.092%  |
| 225 | 14.730 | 14.702 | 14.741 | VV | 1641    | 27968    | 0.12%   | 0.015%  |
| 226 | 14.745 | 14.741 | 14.752 | VV | 1762    | 9507     | 0.04%   | 0.005%  |
| 227 | 14.774 | 14.752 | 14.796 | VV | 2512    | 47316    | 0.20%   | 0.026%  |
| 228 | 14.821 | 14.796 | 14.844 | VV | 2264    | 46322    | 0.20%   | 0.025%  |
| 229 | 14.886 | 14.844 | 14.901 | VV | 6129    | 116695   | 0.50%   | 0.063%  |
| 230 | 14.921 | 14.901 | 14.939 | VV | 27750   | 400902   | 1.73%   | 0.217%  |
| 231 | 14.962 | 14.939 | 14.994 | VV | 51108   | 771879   | 3.33%   | 0.418%  |
| 232 | 15.017 | 14.994 | 15.039 | VV | 3394    | 63131    | 0.27%   | 0.034%  |
| 233 | 15.082 | 15.039 | 15.097 | VV | 7001    | 145509   | 0.63%   | 0.079%  |
| 234 | 15.105 | 15.097 | 15.136 | VV | 4526    | 78819    | 0.34%   | 0.043%  |
| 235 | 15.160 | 15.136 | 15.187 | VV | 3777    | 74353    | 0.32%   | 0.040%  |
| 236 | 15.237 | 15.187 | 15.251 | PV | 3352    | 70139    | 0.30%   | 0.038%  |
| 237 | 15.271 | 15.251 | 15.287 | VV | 3575    | 63747    | 0.28%   | 0.035%  |
| 238 | 15.294 | 15.287 | 15.306 | VV | 2849    | 26546    | 0.11%   | 0.014%  |
| 239 | 15.325 | 15.306 | 15.336 | VV | 4079    | 49571    | 0.21%   | 0.027%  |
| 240 | 15.372 | 15.336 | 15.452 | VV | 16735   | 423406   | 1.83%   | 0.229%  |
| 241 | 15.485 | 15.452 | 15.518 | PV | 12889   | 193326   | 0.83%   | 0.105%  |
| 242 | 15.543 | 15.518 | 15.572 | VV | 20712   | 286812   | 1.24%   | 0.155%  |
| 243 | 15.592 | 15.572 | 15.611 | VV | 8016    | 101865   | 0.44%   | 0.055%  |
| 244 | 15.631 | 15.611 | 15.657 | VV | 4071    | 56901    | 0.25%   | 0.031%  |
| 245 | 15.676 | 15.657 | 15.691 | PV | 1805    | 22880    | 0.10%   | 0.012%  |
| 246 | 15.753 | 15.691 | 15.797 | VV | 4881    | 147112   | 0.63%   | 0.080%  |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 247 | 15.832 | 15.797 | 15.842 | VV | 2025   | 32689   | 0.14%  | 0.018% |
| 248 | 15.909 | 15.842 | 15.933 | VV | 2970   | 87308   | 0.38%  | 0.047% |
| 249 | 15.984 | 15.933 | 16.007 | VV | 15024  | 240456  | 1.04%  | 0.130% |
| 250 | 16.038 | 16.007 | 16.080 | VV | 4067   | 102941  | 0.44%  | 0.056% |
|     |        |        |        |    |        |         |        |        |
| 251 | 16.089 | 16.080 | 16.111 | VV | 1263   | 12106   | 0.05%  | 0.007% |
| 252 | 16.122 | 16.111 | 16.142 | VV | 1105   | 10548   | 0.05%  | 0.006% |
| 253 | 16.176 | 16.142 | 16.192 | VV | 8510   | 165680  | 0.72%  | 0.090% |
| 254 | 16.205 | 16.192 | 16.244 | VV | 11951  | 216649  | 0.93%  | 0.117% |
| 255 | 16.290 | 16.244 | 16.314 | VV | 6865   | 170391  | 0.74%  | 0.092% |
|     |        |        |        |    |        |         |        |        |
| 256 | 16.348 | 16.314 | 16.363 | VV | 4005   | 89157   | 0.38%  | 0.048% |
| 257 | 16.389 | 16.363 | 16.441 | VV | 10689  | 247067  | 1.07%  | 0.134% |
| 258 | 16.474 | 16.441 | 16.516 | VV | 36924  | 777759  | 3.36%  | 0.421% |
| 259 | 16.524 | 16.516 | 16.561 | VV | 11818  | 207408  | 0.90%  | 0.112% |
| 260 | 16.572 | 16.561 | 16.582 | VV | 6441   | 70053   | 0.30%  | 0.038% |
|     |        |        |        |    |        |         |        |        |
| 261 | 16.609 | 16.582 | 16.662 | VV | 12146  | 392362  | 1.69%  | 0.213% |
| 262 | 16.686 | 16.662 | 16.716 | VV | 8209   | 203286  | 0.88%  | 0.110% |
| 263 | 16.797 | 16.716 | 16.835 | VV | 23782  | 820454  | 3.54%  | 0.445% |
| 264 | 16.855 | 16.835 | 16.881 | VV | 25606  | 388757  | 1.68%  | 0.211% |
| 265 | 16.931 | 16.881 | 16.947 | VV | 22249  | 473737  | 2.04%  | 0.257% |
|     |        |        |        |    |        |         |        |        |
| 266 | 16.961 | 16.947 | 16.987 | VV | 18666  | 360926  | 1.56%  | 0.196% |
| 267 | 17.001 | 16.987 | 17.032 | VV | 12764  | 282929  | 1.22%  | 0.153% |
| 268 | 17.040 | 17.032 | 17.064 | VV | 9417   | 162265  | 0.70%  | 0.088% |
| 269 | 17.139 | 17.064 | 17.149 | VV | 11198  | 516612  | 2.23%  | 0.280% |
| 270 | 17.169 | 17.149 | 17.180 | VV | 13334  | 223088  | 0.96%  | 0.121% |
|     |        |        |        |    |        |         |        |        |
| 271 | 17.195 | 17.180 | 17.216 | VV | 13478  | 284739  | 1.23%  | 0.154% |
| 272 | 17.223 | 17.216 | 17.235 | VV | 14027  | 158856  | 0.69%  | 0.086% |
| 273 | 17.258 | 17.235 | 17.293 | VV | 16291  | 468468  | 2.02%  | 0.254% |
| 274 | 17.334 | 17.293 | 17.347 | VV | 16388  | 446933  | 1.93%  | 0.242% |
| 275 | 17.379 | 17.347 | 17.404 | VV | 31172  | 708368  | 3.06%  | 0.384% |
|     |        |        |        |    |        |         |        |        |
| 276 | 17.435 | 17.404 | 17.454 | VV | 18094  | 440050  | 1.90%  | 0.238% |
| 277 | 17.467 | 17.454 | 17.482 | VV | 18210  | 262597  | 1.13%  | 0.142% |
| 278 | 17.513 | 17.482 | 17.542 | VV | 20233  | 592835  | 2.56%  | 0.321% |
| 279 | 17.565 | 17.542 | 17.604 | VV | 19148  | 589439  | 2.54%  | 0.319% |
| 280 | 17.630 | 17.604 | 17.644 | VV | 15839  | 350471  | 1.51%  | 0.190% |
|     |        |        |        |    |        |         |        |        |
| 281 | 17.661 | 17.644 | 17.687 | VV | 17341  | 399503  | 1.72%  | 0.216% |
| 282 | 17.704 | 17.687 | 17.717 | VV | 16541  | 291406  | 1.26%  | 0.158% |
| 283 | 17.736 | 17.717 | 17.764 | VV | 20761  | 515161  | 2.22%  | 0.279% |
| 284 | 17.818 | 17.764 | 17.857 | VV | 39960  | 1379081 | 5.95%  | 0.747% |
| 285 | 17.889 | 17.857 | 17.900 | VV | 18523  | 459446  | 1.98%  | 0.249% |
|     |        |        |        |    |        |         |        |        |
| 286 | 17.980 | 17.900 | 18.007 | VV | 39444  | 1589880 | 6.86%  | 0.861% |
| 287 | 18.015 | 18.007 | 18.045 | VV | 26873  | 535043  | 2.31%  | 0.290% |
| 288 | 18.077 | 18.045 | 18.097 | VV | 22964  | 642460  | 2.77%  | 0.348% |
| 289 | 18.232 | 18.097 | 18.282 | VV | 47003  | 3028301 | 13.07% | 1.641% |
| 290 | 18.305 | 18.282 | 18.321 | VV | 24402  | 530602  | 2.29%  | 0.287% |
|     |        |        |        |    |        |         |        |        |
| 291 | 18.348 | 18.321 | 18.445 | VV | 38760  | 2078904 | 8.97%  | 1.126% |
| 292 | 18.481 | 18.445 | 18.554 | VV | 35068  | 1688740 | 7.29%  | 0.915% |
| 293 | 18.566 | 18.554 | 18.589 | VV | 25188  | 515020  | 2.22%  | 0.279% |
| 294 | 18.646 | 18.589 | 18.691 | VV | 46577  | 1869756 | 8.07%  | 1.013% |
| 295 | 18.766 | 18.691 | 18.787 | VV | 39943  | 1679364 | 7.25%  | 0.910% |
|     |        |        |        |    |        |         |        |        |
| 296 | 18.815 | 18.787 | 18.849 | VV | 38427  | 1200970 | 5.18%  | 0.651% |
| 297 | 18.856 | 18.849 | 18.867 | VV | 28692  | 308244  | 1.33%  | 0.167% |
| 298 | 18.937 | 18.867 | 18.962 | VV | 35342  | 1751409 | 7.56%  | 0.949% |
| 299 | 19.044 | 18.962 | 19.077 | VV | 54206  | 2596567 | 11.21% | 1.407% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 300 | 19.099 | 19.077 | 19.122 | VV | 41184  | 997802  | 4.31%  | 0.541% |
| 301 | 19.164 | 19.122 | 19.220 | VV | 41472  | 2102504 | 9.07%  | 1.139% |
| 302 | 19.230 | 19.220 | 19.266 | VV | 36596  | 946312  | 4.08%  | 0.513% |
| 303 | 19.286 | 19.266 | 19.301 | VV | 38301  | 734672  | 3.17%  | 0.398% |
| 304 | 19.342 | 19.301 | 19.364 | VV | 37946  | 1367881 | 5.90%  | 0.741% |
| 305 | 19.377 | 19.364 | 19.394 | VV | 37858  | 646644  | 2.79%  | 0.350% |
| 306 | 19.429 | 19.394 | 19.455 | VV | 54704  | 1576444 | 6.80%  | 0.854% |
| 307 | 19.474 | 19.455 | 19.497 | VV | 43866  | 1036768 | 4.47%  | 0.562% |
| 308 | 19.507 | 19.497 | 19.519 | VV | 38794  | 491717  | 2.12%  | 0.266% |
| 309 | 19.570 | 19.519 | 19.596 | VV | 47145  | 1898962 | 8.20%  | 1.029% |
| 310 | 19.642 | 19.596 | 19.652 | VV | 43670  | 1393347 | 6.01%  | 0.755% |
| 311 | 19.675 | 19.652 | 19.691 | VV | 43345  | 976207  | 4.21%  | 0.529% |
| 312 | 19.711 | 19.691 | 19.762 | VV | 48337  | 1905593 | 8.22%  | 1.033% |
| 313 | 19.800 | 19.762 | 19.837 | VV | 71110  | 2439835 | 10.53% | 1.322% |
| 314 | 19.866 | 19.837 | 19.897 | VV | 49901  | 1704829 | 7.36%  | 0.924% |
| 315 | 19.928 | 19.897 | 19.937 | VV | 47600  | 1120395 | 4.84%  | 0.607% |
| 316 | 19.985 | 19.937 | 20.005 | VV | 50754  | 1963494 | 8.47%  | 1.064% |
| 317 | 20.034 | 20.005 | 20.044 | VV | 56330  | 1237014 | 5.34%  | 0.670% |
| 318 | 20.096 | 20.044 | 20.117 | VV | 61200  | 2393238 | 10.33% | 1.297% |
| 319 | 20.167 | 20.117 | 20.209 | VV | 67594  | 3220479 | 13.90% | 1.745% |
| 320 | 20.213 | 20.209 | 20.227 | VV | 56145  | 598567  | 2.58%  | 0.324% |
| 321 | 20.251 | 20.227 | 20.291 | VV | 61828  | 2217971 | 9.57%  | 1.202% |
| 322 | 20.387 | 20.291 | 20.394 | VV | 66267  | 3848076 | 16.61% | 2.085% |
| 323 | 20.400 | 20.394 | 20.427 | VV | 64201  | 1213180 | 5.24%  | 0.657% |
| 324 | 20.439 | 20.427 | 20.469 | VV | 59402  | 1409174 | 6.08%  | 0.764% |
| 325 | 20.482 | 20.469 | 20.496 | VV | 56712  | 875274  | 3.78%  | 0.474% |
| 326 | 20.527 | 20.496 | 20.611 | VV | 65858  | 3882754 | 16.76% | 2.104% |
| 327 | 20.616 | 20.611 | 20.637 | VV | 51544  | 811274  | 3.50%  | 0.440% |
| 328 | 20.653 | 20.637 | 20.712 | VV | 51761  | 2211110 | 9.54%  | 1.198% |
| 329 | 20.719 | 20.712 | 20.744 | VV | 47664  | 883366  | 3.81%  | 0.479% |
| 330 | 20.762 | 20.744 | 20.791 | VV | 50436  | 1303651 | 5.63%  | 0.706% |
| 331 | 20.802 | 20.791 | 20.871 | VV | 46370  | 2048626 | 8.84%  | 1.110% |
| 332 | 20.915 | 20.871 | 20.949 | VV | 51744  | 2054812 | 8.87%  | 1.113% |
| 333 | 20.958 | 20.949 | 21.014 | VV | 39264  | 1444300 | 6.23%  | 0.783% |
| 334 | 21.037 | 21.014 | 21.053 | VV | 35405  | 793239  | 3.42%  | 0.430% |
| 335 | 21.081 | 21.053 | 21.089 | VV | 35933  | 713794  | 3.08%  | 0.387% |
| 336 | 21.097 | 21.089 | 21.136 | VV | 34209  | 927650  | 4.00%  | 0.503% |
| 337 | 21.146 | 21.136 | 21.176 | VV | 33176  | 736038  | 3.18%  | 0.399% |
| 338 | 21.188 | 21.176 | 21.196 | VV | 28722  | 338975  | 1.46%  | 0.184% |
| 339 | 21.239 | 21.196 | 21.278 | VV | 29306  | 1389283 | 6.00%  | 0.753% |
| 340 | 21.286 | 21.278 | 21.312 | VV | 27218  | 520668  | 2.25%  | 0.282% |
| 341 | 21.354 | 21.312 | 21.419 | VV | 29892  | 1534551 | 6.62%  | 0.831% |
| 342 | 21.436 | 21.419 | 21.457 | VV | 20158  | 445199  | 1.92%  | 0.241% |
| 343 | 21.482 | 21.457 | 21.514 | VV | 21544  | 661143  | 2.85%  | 0.358% |
| 344 | 21.524 | 21.514 | 21.536 | VV | 17639  | 220476  | 0.95%  | 0.119% |
| 345 | 21.548 | 21.536 | 21.563 | VV | 17340  | 272174  | 1.17%  | 0.147% |
| 346 | 21.573 | 21.563 | 21.594 | VV | 17209  | 291876  | 1.26%  | 0.158% |
| 347 | 21.603 | 21.594 | 21.623 | VV | 15582  | 264561  | 1.14%  | 0.143% |
| 348 | 21.630 | 21.623 | 21.659 | VV | 14027  | 266861  | 1.15%  | 0.145% |
| 349 | 21.669 | 21.659 | 21.711 | VV | 12394  | 317546  | 1.37%  | 0.172% |
| 350 | 21.723 | 21.711 | 21.734 | VV | 7580   | 107402  | 0.46%  | 0.058% |
| 351 | 21.742 | 21.734 | 21.772 | VV | 7483   | 145758  | 0.63%  | 0.079% |

|     |        |        |        |    |                         |           |       |        |  |
|-----|--------|--------|--------|----|-------------------------|-----------|-------|--------|--|
|     |        |        |        |    | rteres                  |           |       |        |  |
| 352 | 21.800 | 21.772 | 21.814 | VV | 8298                    | 166102    | 0.72% | 0.090% |  |
| 353 | 21.821 | 21.814 | 21.832 | VV | 8356                    | 73929     | 0.32% | 0.040% |  |
| 354 | 21.852 | 21.832 | 21.984 | VV | 12839                   | 429826    | 1.85% | 0.233% |  |
|     |        |        |        |    | Sum of corrected areas: | 184561048 |       |        |  |

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