

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC041919AL\  
 Data File : FC040752.D  
 Signal(s) : FID1A.CH  
 Acq On : 19 Apr 2019 15:06  
 Sample : K2203-15  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 032319.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         | 2.860       | 2.802        | 2.881      | BV       | 348            | 1800         | 0.01%          | 0.001%        |
| 2         | 2.892       | 2.881        | 2.904      | PV       | 166            | 1545         | 0.01%          | 0.001%        |
| 3         | 2.917       | 2.904        | 2.937      | VV       | 184            | 1520         | 0.01%          | 0.001%        |
| 4         | 2.972       | 2.957        | 2.981      | VV       | 124            | 1362         | 0.01%          | 0.001%        |
| 5         | 2.994       | 2.981        | 3.028      | VV       | 232            | 3204         | 0.03%          | 0.001%        |
| 6         | 3.055       | 3.028        | 3.089      | PV       | 272            | 3766         | 0.03%          | 0.001%        |
| 7         | 3.128       | 3.089        | 3.150      | VV       | 431            | 6933         | 0.05%          | 0.003%        |
| 8         | 3.168       | 3.150        | 3.188      | VV       | 437            | 5056         | 0.04%          | 0.002%        |
| 9         | 3.208       | 3.188        | 3.238      | VV       | 658            | 9154         | 0.07%          | 0.003%        |
| 10        | 3.258       | 3.238        | 3.272      | VV       | 293            | 3172         | 0.03%          | 0.001%        |
| 11        | 3.283       | 3.272        | 3.315      | VV       | 228            | 3773         | 0.03%          | 0.001%        |
| 12        | 3.341       | 3.315        | 3.372      | VV       | 328            | 5045         | 0.04%          | 0.002%        |
| 13        | 3.392       | 3.372        | 3.404      | PV       | 339            | 3621         | 0.03%          | 0.001%        |
| 14        | 3.417       | 3.404        | 3.440      | VV       | 357            | 4669         | 0.04%          | 0.002%        |
| 15        | 3.459       | 3.440        | 3.480      | VV       | 485            | 5826         | 0.05%          | 0.002%        |
| 16        | 3.509       | 3.480        | 3.556      | VV       | 369            | 11033        | 0.09%          | 0.004%        |
| 17        | 3.585       | 3.556        | 3.618      | VV       | 323            | 8590         | 0.07%          | 0.003%        |
| 18        | 3.662       | 3.618        | 3.736      | VV       | 1606           | 34330        | 0.27%          | 0.013%        |
| 19        | 3.758       | 3.736        | 3.775      | VV       | 308            | 4642         | 0.04%          | 0.002%        |
| 20        | 3.799       | 3.775        | 3.807      | PV       | 293            | 2442         | 0.02%          | 0.001%        |
| 21        | 3.813       | 3.807        | 3.827      | VV       | 203            | 1721         | 0.01%          | 0.001%        |
| 22        | 3.847       | 3.827        | 3.862      | VV       | 368            | 4352         | 0.03%          | 0.002%        |
| 23        | 3.881       | 3.862        | 3.903      | VV       | 1188           | 12833        | 0.10%          | 0.005%        |
| 24        | 3.935       | 3.903        | 3.948      | VV       | 679            | 8830         | 0.07%          | 0.003%        |
| 25        | 3.957       | 3.948        | 3.971      | VV       | 400            | 3981         | 0.03%          | 0.001%        |
| 26        | 4.021       | 3.971        | 4.070      | VV       | 907            | 18803        | 0.15%          | 0.007%        |
| 27        | 4.101       | 4.070        | 4.119      | VV       | 569            | 10809        | 0.09%          | 0.004%        |
| 28        | 4.130       | 4.119        | 4.149      | VV       | 640            | 6942         | 0.05%          | 0.003%        |
| 29        | 4.166       | 4.149        | 4.197      | VV       | 554            | 9675         | 0.08%          | 0.004%        |
| 30        | 4.211       | 4.197        | 4.242      | VV       | 858            | 13966        | 0.11%          | 0.005%        |
| 31        | 4.258       | 4.242        | 4.279      | VV       | 728            | 9945         | 0.08%          | 0.004%        |
| 32        | 4.295       | 4.279        | 4.315      | VV       | 994            | 13597        | 0.11%          | 0.005%        |
| 33        | 4.331       | 4.315        | 4.342      | VV       | 722            | 7707         | 0.06%          | 0.003%        |
| 34        | 4.361       | 4.342        | 4.378      | VV       | 898            | 11937        | 0.09%          | 0.004%        |
| 35        | 4.406       | 4.378        | 4.423      | VV       | 625            | 9340         | 0.07%          | 0.003%        |
| 36        | 4.438       | 4.423        | 4.455      | VV       | 313            | 3689         | 0.03%          | 0.001%        |
| 37        | 4.478       | 4.455        | 4.491      | VV       | 569            | 6859         | 0.05%          | 0.003%        |
| 38        | 4.510       | 4.491        | 4.556      | VV       | 1152           | 27771        | 0.22%          | 0.010%        |
| 39        | 4.569       | 4.556        | 4.582      | VV       | 683            | 7970         | 0.06%          | 0.003%        |
| 40        | 4.608       | 4.582        | 4.631      | VV       | 1206           | 23389        | 0.19%          | 0.009%        |
| 41        | 4.642       | 4.631        | 4.666      | VV       | 507            | 6126         | 0.05%          | 0.002%        |
| 42        | 4.720       | 4.666        | 4.746      | PV       | 1867           | 28252        | 0.22%          | 0.011%        |

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|-----|-------|-------|-------|----|------|---------|-------|--------|
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| 43  | 4.788 | 4.746 | 4.825 | VV | 1061 | 29141   | 0.23% | 0.011% |
| 44  | 4.833 | 4.825 | 4.844 | VV | 493  | 3763    | 0.03% | 0.001% |
| 45  | 4.859 | 4.844 | 4.881 | VV | 728  | 8955    | 0.07% | 0.003% |
| 46  | 4.901 | 4.881 | 4.926 | VV | 3282 | 38984   | 0.31% | 0.015% |
| 47  | 4.941 | 4.926 | 4.959 | VV | 2900 | 29030   | 0.23% | 0.011% |
| 48  | 4.974 | 4.959 | 4.991 | VV | 553  | 8014    | 0.06% | 0.003% |
| 49  | 4.997 | 4.991 | 5.025 | VV | 423  | 5955    | 0.05% | 0.002% |
| 50  | 5.045 | 5.025 | 5.072 | VV | 412  | 7773    | 0.06% | 0.003% |
| 51  | 5.096 | 5.072 | 5.133 | VV | 2250 | 32920   | 0.26% | 0.012% |
| 52  | 5.146 | 5.133 | 5.161 | VV | 377  | 4607    | 0.04% | 0.002% |
| 53  | 5.192 | 5.161 | 5.224 | VV | 2358 | 49212   | 0.39% | 0.018% |
| 54  | 5.243 | 5.224 | 5.259 | VV | 1180 | 14513   | 0.11% | 0.005% |
| 55  | 5.281 | 5.259 | 5.299 | VV | 1603 | 25395   | 0.20% | 0.010% |
| 56  | 5.311 | 5.299 | 5.339 | VV | 1230 | 18563   | 0.15% | 0.007% |
| 57  | 5.356 | 5.339 | 5.379 | PV | 1458 | 16361   | 0.13% | 0.006% |
| 58  | 5.405 | 5.379 | 5.428 | VV | 1377 | 21929   | 0.17% | 0.008% |
| 59  | 5.457 | 5.428 | 5.472 | VV | 2612 | 32098   | 0.25% | 0.012% |
| 60  | 5.494 | 5.472 | 5.517 | VV | 1222 | 20988   | 0.17% | 0.008% |
| 61  | 5.538 | 5.517 | 5.564 | VV | 1394 | 16965   | 0.13% | 0.006% |
| 62  | 5.591 | 5.564 | 5.613 | VV | 2448 | 40093   | 0.32% | 0.015% |
| 63  | 5.632 | 5.613 | 5.657 | VV | 1280 | 22134   | 0.18% | 0.008% |
| 64  | 5.671 | 5.657 | 5.691 | VV | 1533 | 18652   | 0.15% | 0.007% |
| 65  | 5.721 | 5.691 | 5.746 | VV | 1998 | 32935   | 0.26% | 0.012% |
| 66  | 5.762 | 5.746 | 5.781 | VV | 822  | 9677    | 0.08% | 0.004% |
| 67  | 5.823 | 5.781 | 5.851 | VV | 2135 | 36835   | 0.29% | 0.014% |
| 68  | 5.875 | 5.851 | 5.892 | VV | 5315 | 57824   | 0.46% | 0.022% |
| 69  | 5.901 | 5.892 | 5.934 | VV | 1674 | 18446   | 0.15% | 0.007% |
| 70  | 5.967 | 5.934 | 5.979 | VV | 633  | 10510   | 0.08% | 0.004% |
| 71  | 5.994 | 5.979 | 6.005 | VV | 1078 | 11210   | 0.09% | 0.004% |
| 72  | 6.024 | 6.005 | 6.047 | VV | 2464 | 31406   | 0.25% | 0.012% |
| 73  | 6.078 | 6.047 | 6.116 | VV | 1766 | 32384   | 0.26% | 0.012% |
| 74  | 6.159 | 6.116 | 6.179 | VV | 2293 | 36180   | 0.29% | 0.014% |
| 75  | 6.216 | 6.179 | 6.244 | PV | 1691 | 31871   | 0.25% | 0.012% |
| 76  | 6.283 | 6.244 | 6.306 | VV | 5646 | 64893   | 0.51% | 0.024% |
| 77  | 6.320 | 6.306 | 6.331 | VV | 597  | 5912    | 0.05% | 0.002% |
| 78  | 6.350 | 6.331 | 6.363 | VV | 1055 | 12995   | 0.10% | 0.005% |
| 79  | 6.392 | 6.363 | 6.419 | VV | 1600 | 35597   | 0.28% | 0.013% |
| 80  | 6.439 | 6.419 | 6.461 | VV | 2374 | 33908   | 0.27% | 0.013% |
| 81  | 6.478 | 6.461 | 6.491 | VV | 1408 | 17881   | 0.14% | 0.007% |
| 82  | 6.511 | 6.491 | 6.561 | VV | 3878 | 66625   | 0.53% | 0.025% |
| 83  | 6.579 | 6.561 | 6.624 | VV | 2368 | 44226   | 0.35% | 0.017% |
| 84  | 6.642 | 6.624 | 6.662 | VV | 1679 | 23099   | 0.18% | 0.009% |
| 85  | 6.682 | 6.662 | 6.702 | VV | 1242 | 19150   | 0.15% | 0.007% |
| 86  | 6.730 | 6.702 | 6.746 | VV | 515  | 10483   | 0.08% | 0.004% |
| 87  | 6.796 | 6.746 | 6.831 | VV | 9688 | 154313  | 1.22% | 0.058% |
| 88  | 6.846 | 6.831 | 6.861 | VV | 1582 | 19384   | 0.15% | 0.007% |
| 89  | 6.875 | 6.861 | 6.942 | VV | 1250 | 31541   | 0.25% | 0.012% |
| 90  | 6.976 | 6.942 | 6.991 | VV | 3102 | 42036   | 0.33% | 0.016% |
| 91  | 6.998 | 6.991 | 7.015 | VV | 1904 | 19623   | 0.16% | 0.007% |
| 92  | 7.030 | 7.015 | 7.047 | VV | 1403 | 15178   | 0.12% | 0.006% |
| 93  | 7.076 | 7.047 | 7.084 | VV | 731  | 8359    | 0.07% | 0.003% |
| 94  | 7.163 | 7.152 | 7.177 | VV | 1381 | 16314   | 0.13% | 0.006% |
| 95  | 7.193 | 7.177 | 7.212 | VV | 1404 | 23161   | 0.18% | 0.009% |
| 96  | 7.247 | 7.212 | 7.262 | VV | 1815 | 46053   | 0.36% | 0.017% |
| 97  | 7.275 | 7.262 | 7.297 | VV | 1999 | 25636   | 0.20% | 0.010% |
| 98  | 7.318 | 7.297 | 7.339 | VV | 2651 | 30064   | 0.24% | 0.011% |
| 99  | 7.363 | 7.339 | 7.389 | PV | 2443 | 37190   | 0.29% | 0.014% |
| 100 | 7.411 | 7.389 | 7.461 | VV | 3534 | 81327   | 0.64% | 0.030% |

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|-----|--------|--------|--------|----|-------|--------|-------|--------|
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| 101 | 7.488  | 7.461  | 7.509  | VV | 4430  | 60436  | 0.48% | 0.023% |
| 102 | 7.520  | 7.509  | 7.534  | VV | 1038  | 12413  | 0.10% | 0.005% |
| 103 | 7.556  | 7.534  | 7.567  | VV | 1394  | 21782  | 0.17% | 0.008% |
| 104 | 7.598  | 7.567  | 7.616  | VV | 5526  | 85955  | 0.68% | 0.032% |
| 105 | 7.627  | 7.616  | 7.640  | VV | 2677  | 29970  | 0.24% | 0.011% |
| 106 | 7.665  | 7.640  | 7.701  | VV | 13727 | 185882 | 1.47% | 0.070% |
| 107 | 7.726  | 7.701  | 7.747  | VV | 11680 | 139562 | 1.11% | 0.052% |
| 108 | 7.784  | 7.747  | 7.812  | VV | 5845  | 99885  | 0.79% | 0.037% |
| 109 | 7.837  | 7.812  | 7.850  | VV | 2726  | 38800  | 0.31% | 0.015% |
| 110 | 7.860  | 7.850  | 7.874  | VV | 2212  | 24325  | 0.19% | 0.009% |
| 111 | 7.895  | 7.874  | 7.929  | VV | 3151  | 54240  | 0.43% | 0.020% |
| 112 | 8.044  | 8.012  | 8.055  | VV | 1822  | 38066  | 0.30% | 0.014% |
| 113 | 8.080  | 8.055  | 8.098  | VV | 3313  | 63965  | 0.51% | 0.024% |
| 114 | 8.115  | 8.098  | 8.143  | VV | 3004  | 64152  | 0.51% | 0.024% |
| 115 | 8.154  | 8.143  | 8.179  | VV | 2506  | 43749  | 0.35% | 0.016% |
| 116 | 8.200  | 8.179  | 8.226  | VV | 7484  | 104210 | 0.83% | 0.039% |
| 117 | 8.253  | 8.226  | 8.267  | VV | 2261  | 36932  | 0.29% | 0.014% |
| 118 | 8.285  | 8.267  | 8.299  | VV | 1588  | 26973  | 0.21% | 0.010% |
| 119 | 8.315  | 8.299  | 8.336  | VV | 2676  | 40827  | 0.32% | 0.015% |
| 120 | 8.351  | 8.336  | 8.389  | VV | 2700  | 55547  | 0.44% | 0.021% |
| 121 | 8.436  | 8.389  | 8.457  | VV | 2682  | 74263  | 0.59% | 0.028% |
| 122 | 8.486  | 8.457  | 8.512  | VV | 18744 | 228873 | 1.81% | 0.086% |
| 123 | 8.527  | 8.512  | 8.555  | VV | 2434  | 45289  | 0.36% | 0.017% |
| 124 | 8.572  | 8.555  | 8.605  | VV | 2019  | 42723  | 0.34% | 0.016% |
| 125 | 8.645  | 8.605  | 8.664  | VV | 2760  | 61796  | 0.49% | 0.023% |
| 126 | 8.672  | 8.664  | 8.707  | VV | 2160  | 38749  | 0.31% | 0.015% |
| 127 | 8.724  | 8.707  | 8.741  | VV | 2169  | 31585  | 0.25% | 0.012% |
| 128 | 8.776  | 8.741  | 8.797  | VV | 2451  | 50468  | 0.40% | 0.019% |
| 129 | 8.819  | 8.797  | 8.834  | VV | 1833  | 30498  | 0.24% | 0.011% |
| 130 | 8.862  | 8.834  | 8.919  | VV | 6470  | 144907 | 1.15% | 0.054% |
| 131 | 8.944  | 8.919  | 8.969  | VV | 4118  | 79876  | 0.63% | 0.030% |
| 132 | 8.989  | 8.969  | 9.029  | VV | 3179  | 82296  | 0.65% | 0.031% |
| 133 | 9.043  | 9.029  | 9.074  | VV | 3488  | 57839  | 0.46% | 0.022% |
| 134 | 9.099  | 9.074  | 9.159  | VV | 1340  | 54653  | 0.43% | 0.020% |
| 135 | 9.196  | 9.159  | 9.208  | VV | 2843  | 59214  | 0.47% | 0.022% |
| 136 | 9.223  | 9.208  | 9.240  | VV | 2914  | 50222  | 0.40% | 0.019% |
| 137 | 9.263  | 9.240  | 9.317  | VV | 20820 | 277273 | 2.20% | 0.104% |
| 138 | 9.344  | 9.317  | 9.356  | VV | 1466  | 29330  | 0.23% | 0.011% |
| 139 | 9.370  | 9.356  | 9.414  | VV | 1615  | 33047  | 0.26% | 0.012% |
| 140 | 9.442  | 9.414  | 9.498  | VV | 1830  | 41488  | 0.33% | 0.016% |
| 141 | 9.538  | 9.498  | 9.559  | VV | 1285  | 29347  | 0.23% | 0.011% |
| 142 | 9.608  | 9.559  | 9.626  | VV | 2982  | 61259  | 0.49% | 0.023% |
| 143 | 9.652  | 9.626  | 9.684  | VV | 8790  | 147312 | 1.17% | 0.055% |
| 144 | 9.708  | 9.684  | 9.722  | VV | 3325  | 56806  | 0.45% | 0.021% |
| 145 | 9.740  | 9.722  | 9.765  | VV | 4534  | 68508  | 0.54% | 0.026% |
| 146 | 9.793  | 9.765  | 9.832  | VV | 3517  | 76778  | 0.61% | 0.029% |
| 147 | 9.852  | 9.832  | 9.866  | VV | 1584  | 22739  | 0.18% | 0.009% |
| 148 | 9.878  | 9.866  | 9.887  | VV | 1389  | 16770  | 0.13% | 0.006% |
| 149 | 9.927  | 9.887  | 9.946  | VV | 2678  | 74073  | 0.59% | 0.028% |
| 150 | 9.953  | 9.946  | 9.966  | VV | 1805  | 18647  | 0.15% | 0.007% |
| 151 | 10.000 | 9.966  | 10.034 | VV | 21914 | 292339 | 2.32% | 0.109% |
| 152 | 10.072 | 10.034 | 10.110 | VV | 9048  | 210320 | 1.67% | 0.079% |
| 153 | 10.126 | 10.110 | 10.157 | VV | 1780  | 37358  | 0.30% | 0.014% |
| 154 | 10.220 | 10.157 | 10.239 | VV | 1516  | 46184  | 0.37% | 0.017% |
| 155 | 10.261 | 10.239 | 10.300 | VV | 16336 | 191084 | 1.51% | 0.072% |
| 156 | 10.336 | 10.300 | 10.359 | VV | 8857  | 135713 | 1.07% | 0.051% |
| 157 | 10.392 | 10.359 | 10.434 | VV | 3881  | 96320  | 0.76% | 0.036% |
| 158 | 10.454 | 10.434 | 10.492 | VV | 2285  | 44189  | 0.35% | 0.017% |
| 159 | 10.507 | 10.492 | 10.527 | VV | 2247  | 26606  | 0.21% | 0.010% |

|     |        |        |        |    |        |          |         |        |
|-----|--------|--------|--------|----|--------|----------|---------|--------|
| 160 | 10.548 | 10.527 | 10.589 | VV | 1244   | 32789    | 0.26%   | 0.012% |
| 161 | 10.627 | 10.589 | 10.642 | VV | 1433   | 29393    | 0.23%   | 0.011% |
| 162 | 10.653 | 10.642 | 10.674 | VV | 1360   | 25270    | 0.20%   | 0.009% |
| 163 | 10.702 | 10.674 | 10.726 | VV | 18536  | 226575   | 1.79%   | 0.085% |
| 164 | 10.751 | 10.726 | 10.764 | VV | 1893   | 35147    | 0.28%   | 0.013% |
| 165 | 10.793 | 10.764 | 10.835 | VV | 7528   | 128903   | 1.02%   | 0.048% |
| 166 | 10.858 | 10.835 | 10.881 | VV | 1404   | 17502    | 0.14%   | 0.007% |
| 167 | 10.911 | 10.881 | 10.930 | VV | 1392   | 25687    | 0.20%   | 0.010% |
| 168 | 10.948 | 10.930 | 10.971 | VV | 1206   | 18515    | 0.15%   | 0.007% |
| 169 | 11.029 | 10.971 | 11.078 | VV | 476773 | 5186166  | 41.07%  | 1.942% |
| 170 | 11.095 | 11.078 | 11.126 | VV | 6266   | 89058    | 0.71%   | 0.033% |
| 171 | 11.181 | 11.126 | 11.198 | VV | 6250   | 123701   | 0.98%   | 0.046% |
| 172 | 11.213 | 11.198 | 11.226 | VV | 3500   | 41587    | 0.33%   | 0.016% |
| 173 | 11.259 | 11.226 | 11.287 | VV | 8999   | 151475   | 1.20%   | 0.057% |
| 174 | 11.312 | 11.287 | 11.332 | VV | 981    | 18168    | 0.14%   | 0.007% |
| 175 | 11.371 | 11.332 | 11.393 | VV | 15779  | 223163   | 1.77%   | 0.084% |
| 176 | 11.423 | 11.393 | 11.511 | VV | 236945 | 2619161  | 20.74%  | 0.981% |
| 177 | 11.530 | 11.511 | 11.551 | VV | 2170   | 22928    | 0.18%   | 0.009% |
| 178 | 11.566 | 11.551 | 11.577 | VV | 885    | 9242     | 0.07%   | 0.003% |
| 179 | 11.598 | 11.577 | 11.624 | VV | 1477   | 20375    | 0.16%   | 0.008% |
| 180 | 11.644 | 11.624 | 11.661 | PV | 1374   | 19340    | 0.15%   | 0.007% |
| 181 | 11.677 | 11.661 | 11.694 | VV | 1291   | 18668    | 0.15%   | 0.007% |
| 182 | 11.709 | 11.694 | 11.727 | VV | 1323   | 16133    | 0.13%   | 0.006% |
| 183 | 11.744 | 11.727 | 11.769 | VV | 1701   | 33045    | 0.26%   | 0.012% |
| 184 | 11.784 | 11.769 | 11.804 | VV | 2304   | 31160    | 0.25%   | 0.012% |
| 185 | 11.852 | 11.804 | 11.861 | VV | 2000   | 46643    | 0.37%   | 0.017% |
| 186 | 11.887 | 11.861 | 11.937 | VV | 3539   | 90977    | 0.72%   | 0.034% |
| 187 | 11.962 | 11.937 | 11.981 | VV | 4693   | 64039    | 0.51%   | 0.024% |
| 188 | 12.009 | 11.981 | 12.040 | VV | 15280  | 220098   | 1.74%   | 0.082% |
| 189 | 12.077 | 12.040 | 12.117 | VV | 49128  | 571738   | 4.53%   | 0.214% |
| 190 | 12.135 | 12.117 | 12.169 | PV | 755    | 12484    | 0.10%   | 0.005% |
| 191 | 12.181 | 12.169 | 12.190 | VV | 256    | 2642     | 0.02%   | 0.001% |
| 192 | 12.215 | 12.190 | 12.246 | VV | 1961   | 35917    | 0.28%   | 0.013% |
| 193 | 12.268 | 12.246 | 12.293 | VV | 2823   | 47120    | 0.37%   | 0.018% |
| 194 | 12.318 | 12.293 | 12.348 | VV | 4808   | 73250    | 0.58%   | 0.027% |
| 195 | 12.377 | 12.348 | 12.406 | PV | 44328  | 503936   | 3.99%   | 0.189% |
| 196 | 12.451 | 12.406 | 12.481 | VV | 649543 | 12626488 | 100.00% | 4.729% |
| 197 | 12.505 | 12.481 | 12.599 | VV | 727052 | 9719029  | 76.97%  | 3.640% |
| 198 | 12.622 | 12.599 | 12.647 | VV | 13178  | 188764   | 1.49%   | 0.071% |
| 199 | 12.674 | 12.647 | 12.700 | VV | 88610  | 1078606  | 8.54%   | 0.404% |
| 200 | 12.712 | 12.700 | 12.751 | VV | 7997   | 173558   | 1.37%   | 0.065% |
| 201 | 12.768 | 12.751 | 12.787 | VV | 4886   | 75207    | 0.60%   | 0.028% |
| 202 | 12.801 | 12.787 | 12.817 | VV | 2465   | 35753    | 0.28%   | 0.013% |
| 203 | 12.839 | 12.817 | 12.909 | VV | 4483   | 139001   | 1.10%   | 0.052% |
| 204 | 12.967 | 12.909 | 12.999 | VV | 30744  | 469513   | 3.72%   | 0.176% |
| 205 | 13.011 | 12.999 | 13.031 | VV | 2190   | 36333    | 0.29%   | 0.014% |
| 206 | 13.079 | 13.031 | 13.097 | VV | 7480   | 164858   | 1.31%   | 0.062% |
| 207 | 13.113 | 13.097 | 13.137 | VV | 5732   | 80948    | 0.64%   | 0.030% |
| 208 | 13.158 | 13.137 | 13.178 | VV | 2843   | 47330    | 0.37%   | 0.018% |
| 209 | 13.205 | 13.178 | 13.229 | VV | 15413  | 242190   | 1.92%   | 0.091% |
| 210 | 13.244 | 13.229 | 13.268 | VV | 9499   | 154833   | 1.23%   | 0.058% |
| 211 | 13.289 | 13.268 | 13.304 | VV | 6393   | 111144   | 0.88%   | 0.042% |
| 212 | 13.314 | 13.304 | 13.376 | VV | 5612   | 144176   | 1.14%   | 0.054% |
| 213 | 13.469 | 13.376 | 13.497 | VV | 18225  | 468555   | 3.71%   | 0.175% |
| 214 | 13.507 | 13.497 | 13.537 | VV | 12098  | 187204   | 1.48%   | 0.070% |
| 215 | 13.572 | 13.537 | 13.589 | VV | 5304   | 142871   | 1.13%   | 0.054% |
| 216 | 13.615 | 13.589 | 13.636 | VV | 8757   | 181005   | 1.43%   | 0.068% |
| 217 | 13.659 | 13.636 | 13.680 | VV | 18355  | 310144   | 2.46%   | 0.116% |

|     |        |        |        |    |       |         |        |        |
|-----|--------|--------|--------|----|-------|---------|--------|--------|
|     |        |        |        |    |       | rteres  |        |        |
| 218 | 13.692 | 13.680 | 13.715 | VV | 10314 | 161819  | 1.28%  | 0.061% |
| 219 | 13.726 | 13.715 | 13.744 | VV | 4716  | 74290   | 0.59%  | 0.028% |
| 220 | 13.768 | 13.744 | 13.792 | VV | 14233 | 240912  | 1.91%  | 0.090% |
| 221 | 13.824 | 13.792 | 13.853 | VV | 20553 | 374660  | 2.97%  | 0.140% |
| 222 | 13.879 | 13.853 | 13.917 | VV | 10156 | 248111  | 1.97%  | 0.093% |
| 223 | 13.939 | 13.917 | 13.962 | VV | 12529 | 204123  | 1.62%  | 0.076% |
| 224 | 13.991 | 13.962 | 14.027 | VV | 7534  | 215984  | 1.71%  | 0.081% |
| 225 | 14.063 | 14.027 | 14.081 | VV | 4976  | 137754  | 1.09%  | 0.052% |
| 226 | 14.122 | 14.081 | 14.150 | VV | 5200  | 189352  | 1.50%  | 0.071% |
| 227 | 14.201 | 14.150 | 14.211 | VV | 6437  | 183714  | 1.45%  | 0.069% |
| 228 | 14.250 | 14.211 | 14.269 | VV | 30215 | 488656  | 3.87%  | 0.183% |
| 229 | 14.292 | 14.269 | 14.332 | VV | 36766 | 689629  | 5.46%  | 0.258% |
| 230 | 14.349 | 14.332 | 14.374 | VV | 6127  | 147209  | 1.17%  | 0.055% |
| 231 | 14.410 | 14.374 | 14.435 | VV | 12642 | 320713  | 2.54%  | 0.120% |
| 232 | 14.455 | 14.435 | 14.472 | VV | 8277  | 162791  | 1.29%  | 0.061% |
| 233 | 14.490 | 14.472 | 14.531 | VV | 7626  | 233016  | 1.85%  | 0.087% |
| 234 | 14.557 | 14.531 | 14.576 | VV | 8197  | 204138  | 1.62%  | 0.076% |
| 235 | 14.592 | 14.576 | 14.600 | VV | 7911  | 110197  | 0.87%  | 0.041% |
| 236 | 14.608 | 14.600 | 14.629 | VV | 8150  | 134916  | 1.07%  | 0.051% |
| 237 | 14.691 | 14.629 | 14.787 | VV | 15400 | 920121  | 7.29%  | 0.345% |
| 238 | 14.828 | 14.787 | 14.860 | VV | 15530 | 452832  | 3.59%  | 0.170% |
| 239 | 14.885 | 14.860 | 14.904 | VV | 18399 | 352684  | 2.79%  | 0.132% |
| 240 | 14.924 | 14.904 | 14.946 | VV | 16285 | 329847  | 2.61%  | 0.124% |
| 241 | 14.960 | 14.946 | 14.994 | VV | 12543 | 316748  | 2.51%  | 0.119% |
| 242 | 15.086 | 14.994 | 15.112 | VV | 15076 | 831174  | 6.58%  | 0.311% |
| 243 | 15.164 | 15.112 | 15.189 | VV | 12881 | 525792  | 4.16%  | 0.197% |
| 244 | 15.221 | 15.189 | 15.236 | VV | 12581 | 342587  | 2.71%  | 0.128% |
| 245 | 15.252 | 15.236 | 15.267 | VV | 13700 | 244588  | 1.94%  | 0.092% |
| 246 | 15.285 | 15.267 | 15.301 | VV | 13775 | 265261  | 2.10%  | 0.099% |
| 247 | 15.328 | 15.301 | 15.349 | VV | 21346 | 493130  | 3.91%  | 0.185% |
| 248 | 15.358 | 15.349 | 15.381 | VV | 15859 | 287923  | 2.28%  | 0.108% |
| 249 | 15.395 | 15.381 | 15.422 | VV | 15244 | 358532  | 2.84%  | 0.134% |
| 250 | 15.432 | 15.422 | 15.446 | VV | 14378 | 199936  | 1.58%  | 0.075% |
| 251 | 15.453 | 15.446 | 15.474 | VV | 14843 | 243086  | 1.93%  | 0.091% |
| 252 | 15.533 | 15.474 | 15.576 | VV | 21627 | 1112501 | 8.81%  | 0.417% |
| 253 | 15.630 | 15.576 | 15.655 | VV | 20610 | 897899  | 7.11%  | 0.336% |
| 254 | 15.728 | 15.655 | 15.757 | VV | 23808 | 1235350 | 9.78%  | 0.463% |
| 255 | 15.809 | 15.757 | 15.855 | VV | 59385 | 1846648 | 14.63% | 0.692% |
| 256 | 15.872 | 15.855 | 15.897 | VV | 25291 | 592459  | 4.69%  | 0.222% |
| 257 | 15.939 | 15.897 | 15.962 | VV | 31186 | 1025479 | 8.12%  | 0.384% |
| 258 | 15.972 | 15.962 | 16.014 | VV | 26774 | 802363  | 6.35%  | 0.300% |
| 259 | 16.030 | 16.014 | 16.066 | VV | 26426 | 787663  | 6.24%  | 0.295% |
| 260 | 16.129 | 16.066 | 16.151 | VV | 46183 | 1674773 | 13.26% | 0.627% |
| 261 | 16.187 | 16.151 | 16.222 | VV | 48569 | 1518351 | 12.03% | 0.569% |
| 262 | 16.283 | 16.222 | 16.302 | VV | 42646 | 1630843 | 12.92% | 0.611% |
| 263 | 16.314 | 16.302 | 16.336 | VV | 37704 | 723215  | 5.73%  | 0.271% |
| 264 | 16.342 | 16.336 | 16.367 | VV | 35552 | 651439  | 5.16%  | 0.244% |
| 265 | 16.384 | 16.367 | 16.409 | VV | 33811 | 818892  | 6.49%  | 0.307% |
| 266 | 16.499 | 16.409 | 16.518 | VV | 37586 | 2314785 | 18.33% | 0.867% |
| 267 | 16.550 | 16.518 | 16.577 | VV | 40054 | 1364914 | 10.81% | 0.511% |
| 268 | 16.602 | 16.577 | 16.639 | VV | 40580 | 1435009 | 11.37% | 0.537% |
| 269 | 16.678 | 16.639 | 16.695 | VV | 43902 | 1381551 | 10.94% | 0.517% |
| 270 | 16.727 | 16.695 | 16.752 | VV | 53795 | 1587675 | 12.57% | 0.595% |
| 271 | 16.775 | 16.752 | 16.792 | VV | 44253 | 1026525 | 8.13%  | 0.384% |
| 272 | 16.809 | 16.792 | 16.831 | VV | 46557 | 1013975 | 8.03%  | 0.380% |
| 273 | 16.856 | 16.831 | 16.880 | VV | 49377 | 1351097 | 10.70% | 0.506% |
| 274 | 16.910 | 16.880 | 16.966 | VV | 47113 | 2292308 | 18.15% | 0.859% |
| 275 | 16.977 | 16.966 | 17.002 | VV | 44434 | 968374  | 7.67%  | 0.363% |

|     |        |        |        |    |       |         |        |        |
|-----|--------|--------|--------|----|-------|---------|--------|--------|
|     |        |        |        |    |       | rteres  |        |        |
| 276 | 17.025 | 17.002 | 17.037 | VV | 46279 | 952260  | 7.54%  | 0.357% |
| 277 | 17.084 | 17.037 | 17.111 | VV | 51719 | 2134649 | 16.91% | 0.799% |
| 278 | 17.164 | 17.111 | 17.211 | VV | 68365 | 3317176 | 26.27% | 1.242% |
| 279 | 17.226 | 17.211 | 17.249 | VV | 51380 | 1155696 | 9.15%  | 0.433% |
| 280 | 17.257 | 17.249 | 17.272 | VV | 51723 | 706796  | 5.60%  | 0.265% |
| 281 | 17.329 | 17.272 | 17.402 | VV | 66022 | 4477178 | 35.46% | 1.677% |
| 282 | 17.420 | 17.402 | 17.443 | VV | 55882 | 1335116 | 10.57% | 0.500% |
| 283 | 17.469 | 17.443 | 17.486 | VV | 60290 | 1429505 | 11.32% | 0.535% |
| 284 | 17.557 | 17.486 | 17.574 | VV | 73447 | 3394680 | 26.89% | 1.271% |
| 285 | 17.587 | 17.574 | 17.618 | VV | 72650 | 1749756 | 13.86% | 0.655% |
| 286 | 17.644 | 17.618 | 17.657 | VV | 60669 | 1389907 | 11.01% | 0.521% |
| 287 | 17.695 | 17.657 | 17.719 | VV | 75096 | 2443604 | 19.35% | 0.915% |
| 288 | 17.726 | 17.719 | 17.756 | VV | 66519 | 1409259 | 11.16% | 0.528% |
| 289 | 17.766 | 17.756 | 17.787 | VV | 63421 | 1176302 | 9.32%  | 0.441% |
| 290 | 17.813 | 17.787 | 17.836 | VV | 76027 | 1972394 | 15.62% | 0.739% |
| 291 | 17.851 | 17.836 | 17.875 | VV | 65405 | 1501309 | 11.89% | 0.562% |
| 292 | 17.900 | 17.875 | 17.921 | VV | 66424 | 1751913 | 13.87% | 0.656% |
| 293 | 17.944 | 17.921 | 17.959 | VV | 66610 | 1476736 | 11.70% | 0.553% |
| 294 | 17.997 | 17.959 | 18.049 | VV | 79588 | 3755280 | 29.74% | 1.406% |
| 295 | 18.070 | 18.049 | 18.089 | VV | 68991 | 1612698 | 12.77% | 0.604% |
| 296 | 18.114 | 18.089 | 18.144 | VV | 77711 | 2361275 | 18.70% | 0.884% |
| 297 | 18.167 | 18.144 | 18.194 | VV | 79986 | 2226790 | 17.64% | 0.834% |
| 298 | 18.205 | 18.194 | 18.222 | VV | 71750 | 1193716 | 9.45%  | 0.447% |
| 299 | 18.295 | 18.222 | 18.314 | VV | 77383 | 4040238 | 32.00% | 1.513% |
| 300 | 18.355 | 18.314 | 18.367 | VV | 77780 | 2414494 | 19.12% | 0.904% |
| 301 | 18.390 | 18.367 | 18.436 | VV | 86992 | 3244045 | 25.69% | 1.215% |
| 302 | 18.449 | 18.436 | 18.476 | VV | 79654 | 1825102 | 14.45% | 0.684% |
| 303 | 18.518 | 18.476 | 18.576 | VV | 79244 | 4493480 | 35.59% | 1.683% |
| 304 | 18.593 | 18.576 | 18.606 | VV | 72438 | 1302733 | 10.32% | 0.488% |
| 305 | 18.620 | 18.606 | 18.679 | VV | 73220 | 3118897 | 24.70% | 1.168% |
| 306 | 18.687 | 18.679 | 18.695 | VV | 70855 | 696948  | 5.52%  | 0.261% |
| 307 | 18.703 | 18.695 | 18.766 | VV | 71025 | 2968218 | 23.51% | 1.112% |
| 308 | 18.817 | 18.766 | 18.854 | VV | 76141 | 3749827 | 29.70% | 1.404% |
| 309 | 18.867 | 18.854 | 18.906 | VV | 71870 | 2161313 | 17.12% | 0.809% |
| 310 | 18.957 | 18.906 | 18.971 | VV | 69824 | 2667511 | 21.13% | 0.999% |
| 311 | 18.980 | 18.971 | 19.002 | VV | 69233 | 1291883 | 10.23% | 0.484% |
| 312 | 19.031 | 19.002 | 19.083 | VV | 70041 | 3255391 | 25.78% | 1.219% |
| 313 | 19.114 | 19.083 | 19.128 | VV | 67892 | 1815079 | 14.38% | 0.680% |
| 314 | 19.137 | 19.128 | 19.151 | VV | 66497 | 891091  | 7.06%  | 0.334% |
| 315 | 19.170 | 19.151 | 19.221 | VV | 67343 | 2726708 | 21.60% | 1.021% |
| 316 | 19.296 | 19.221 | 19.332 | VV | 70734 | 4427594 | 35.07% | 1.658% |
| 317 | 19.358 | 19.332 | 19.409 | VV | 64720 | 2902245 | 22.99% | 1.087% |
| 318 | 19.446 | 19.409 | 19.479 | VV | 61502 | 2555444 | 20.24% | 0.957% |
| 319 | 19.498 | 19.479 | 19.517 | VV | 62623 | 1421698 | 11.26% | 0.532% |
| 320 | 19.531 | 19.517 | 19.597 | VV | 64373 | 2891575 | 22.90% | 1.083% |
| 321 | 19.627 | 19.597 | 19.656 | VV | 60730 | 2091003 | 16.56% | 0.783% |
| 322 | 19.688 | 19.656 | 19.734 | VV | 61964 | 2777521 | 22.00% | 1.040% |
| 323 | 19.755 | 19.734 | 19.774 | VV | 58352 | 1373977 | 10.88% | 0.515% |
| 324 | 19.795 | 19.774 | 19.808 | VV | 57624 | 1162726 | 9.21%  | 0.435% |
| 325 | 19.843 | 19.808 | 19.887 | VV | 60584 | 2730822 | 21.63% | 1.023% |
| 326 | 19.897 | 19.887 | 19.912 | VV | 57037 | 843918  | 6.68%  | 0.316% |
| 327 | 19.923 | 19.912 | 20.001 | VV | 58579 | 2933166 | 23.23% | 1.099% |
| 328 | 20.007 | 20.001 | 20.022 | VV | 53978 | 675937  | 5.35%  | 0.253% |
| 329 | 20.053 | 20.022 | 20.096 | VV | 56185 | 2366258 | 18.74% | 0.886% |
| 330 | 20.127 | 20.096 | 20.151 | VV | 53525 | 1757613 | 13.92% | 0.658% |
| 331 | 20.162 | 20.151 | 20.194 | VV | 54197 | 1377074 | 10.91% | 0.516% |
| 332 | 20.209 | 20.194 | 20.295 | VV | 53652 | 3121627 | 24.72% | 1.169% |
| 333 | 20.308 | 20.295 | 20.361 | VV | 50826 | 1978757 | 15.67% | 0.741% |
| 334 | 20.381 | 20.361 | 20.407 | VV | 49101 | 1313153 | 10.40% | 0.492% |

|     |        |        |        |     |       |                   |        |        |
|-----|--------|--------|--------|-----|-------|-------------------|--------|--------|
| 335 | 20.495 | 20.407 | 20.564 | VV  | 52943 | rteres<br>4544047 | 35.99% | 1.702% |
| 336 | 20.604 | 20.564 | 20.659 | VV  | 48060 | 2600765           | 20.60% | 0.974% |
| 337 | 20.678 | 20.659 | 20.696 | VV  | 46277 | 999036            | 7.91%  | 0.374% |
| 338 | 20.706 | 20.696 | 20.728 | VV  | 45930 | 870117            | 6.89%  | 0.326% |
| 339 | 20.738 | 20.728 | 20.824 | VV  | 45718 | 2486164           | 19.69% | 0.931% |
| 340 | 20.847 | 20.824 | 20.927 | VV  | 43498 | 2613809           | 20.70% | 0.979% |
| 341 | 20.960 | 20.927 | 20.992 | VV  | 42279 | 1601646           | 12.68% | 0.600% |
| 342 | 21.014 | 20.992 | 21.022 | VV  | 40532 | 714361            | 5.66%  | 0.268% |
| 343 | 21.030 | 21.022 | 21.049 | VV  | 41125 | 649207            | 5.14%  | 0.243% |
| 344 | 21.058 | 21.049 | 21.114 | VV  | 40774 | 1526479           | 12.09% | 0.572% |
| 345 | 21.121 | 21.114 | 21.141 | VV  | 40093 | 624958            | 4.95%  | 0.234% |
| 346 | 21.152 | 21.141 | 21.196 | VV  | 39860 | 1292671           | 10.24% | 0.484% |
| 347 | 21.223 | 21.196 | 21.237 | VV  | 40797 | 977318            | 7.74%  | 0.366% |
| 348 | 21.254 | 21.237 | 21.313 | VV  | 41215 | 1744824           | 13.82% | 0.653% |
| 349 | 21.343 | 21.313 | 21.359 | VV  | 38299 | 1004481           | 7.96%  | 0.376% |
| 350 | 21.370 | 21.359 | 21.399 | VV  | 36772 | 854546            | 6.77%  | 0.320% |
| 351 | 21.434 | 21.399 | 21.450 | VV  | 36621 | 1081946           | 8.57%  | 0.405% |
| 352 | 21.479 | 21.450 | 21.495 | VV  | 36210 | 931854            | 7.38%  | 0.349% |
| 353 | 21.505 | 21.495 | 21.536 | VV  | 35210 | 834058            | 6.61%  | 0.312% |
| 354 | 21.553 | 21.536 | 21.605 | VV  | 35265 | 1398131           | 11.07% | 0.524% |
| 355 | 21.618 | 21.605 | 21.639 | VV  | 33742 | 678977            | 5.38%  | 0.254% |
| 356 | 21.650 | 21.639 | 21.679 | VV  | 32842 | 773488            | 6.13%  | 0.290% |
| 357 | 21.695 | 21.679 | 21.724 | VV  | 31582 | 824029            | 6.53%  | 0.309% |
| 358 | 21.760 | 21.724 | 21.807 | VV  | 33003 | 1569091           | 12.43% | 0.588% |
| 359 | 21.852 | 21.807 | 21.875 | VV  | 32260 | 1244701           | 9.86%  | 0.466% |
| 360 | 21.900 | 21.875 | 21.912 | VV  | 31003 | 662890            | 5.25%  | 0.248% |
| 361 | 21.920 | 21.912 | 21.958 | VV  | 30271 | 792456            | 6.28%  | 0.297% |
| 362 | 21.972 | 21.958 | 22.042 | VV  | 29629 | 1440936           | 11.41% | 0.540% |
| 363 | 22.092 | 22.042 | 22.103 | VV  | 29933 | 1034571           | 8.19%  | 0.387% |
| 364 | 22.109 | 22.103 | 22.137 | VV  | 29264 | 583841            | 4.62%  | 0.219% |
| 365 | 22.148 | 22.137 | 22.219 | VV  | 29174 | 1332202           | 10.55% | 0.499% |
| 366 | 22.226 | 22.219 | 22.257 | VV  | 26837 | 590023            | 4.67%  | 0.221% |
| 367 | 22.266 | 22.257 | 22.305 | VV  | 26226 | 719464            | 5.70%  | 0.269% |
| 368 | 22.330 | 22.305 | 22.366 | VV  | 26514 | 901102            | 7.14%  | 0.337% |
| 369 | 22.375 | 22.366 | 22.431 | VV  | 26016 | 951207            | 7.53%  | 0.356% |
| 370 | 22.459 | 22.431 | 22.501 | VV  | 25417 | 1000930           | 7.93%  | 0.375% |
| 371 | 22.510 | 22.501 | 22.519 | VV  | 23246 | 254689            | 2.02%  | 0.095% |
| 372 | 22.526 | 22.519 | 22.537 | VV  | 23490 | 250411            | 1.98%  | 0.094% |
| 373 | 22.556 | 22.537 | 22.569 | VV  | 23143 | 431211            | 3.42%  | 0.161% |
| 374 | 22.579 | 22.569 | 22.592 | VV  | 23202 | 318246            | 2.52%  | 0.119% |
| 375 | 22.602 | 22.592 | 22.623 | VV  | 23843 | 429184            | 3.40%  | 0.161% |
| 376 | 22.630 | 22.623 | 22.691 | VV  | 23298 | 879956            | 6.97%  | 0.330% |
| 377 | 22.731 | 22.691 | 22.743 | VV  | 22653 | 656876            | 5.20%  | 0.246% |
| 378 | 22.754 | 22.743 | 22.777 | VV  | 21037 | 428235            | 3.39%  | 0.160% |
| 379 | 22.788 | 22.777 | 22.820 | VV  | 21144 | 526084            | 4.17%  | 0.197% |
| 380 | 22.833 | 22.820 | 22.840 | VV  | 19979 | 236272            | 1.87%  | 0.088% |
| 381 | 22.858 | 22.840 | 22.877 | VV  | 21554 | 447509            | 3.54%  | 0.168% |
| 382 | 22.882 | 22.877 | 22.892 | VV  | 20694 | 176628            | 1.40%  | 0.066% |
| 383 | 22.904 | 22.892 | 22.917 | VV  | 20509 | 291422            | 2.31%  | 0.109% |
| 384 | 22.931 | 22.917 | 22.944 | VV  | 20008 | 311688            | 2.47%  | 0.117% |
| 385 | 22.961 | 22.944 | 23.027 | VV  | 20679 | 948712            | 7.51%  | 0.355% |
| 386 | 23.035 | 23.027 | 23.052 | VV  | 17551 | 259746            | 2.06%  | 0.097% |
| 387 | 23.100 | 23.052 | 23.112 | VV  | 18901 | 635229            | 5.03%  | 0.238% |
| 388 | 23.126 | 23.112 | 23.154 | VV  | 20181 | 481216            | 3.81%  | 0.180% |
| 389 | 23.176 | 23.154 | 23.206 | VV  | 19624 | 580378            | 4.60%  | 0.217% |
| 390 | 23.212 | 23.206 | 23.225 | VV  | 17859 | 195798            | 1.55%  | 0.073% |
| 391 | 23.232 | 23.225 | 23.252 | VV  | 17232 | 267607            | 2.12%  | 0.100% |
| 392 | 23.264 | 23.252 | 23.301 | VBA | 16685 | 489530            | 3.88%  | 0.183% |

Sum of corrected areas: rteres 267010500

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