

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC121919AL\  
Data File : FC045011.D  
Signal(s) : FID1A.CH  
Acq On : 20 Dec 2019 2:56  
Sample : K6107-03MSD  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 112219.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         | 3.464       | 3.422        | 3.476      | BV       | 4965           | 9758         | 0.03%          | 0.001%        |
| 2         | 3.511       | 3.476        | 3.527      | VV       | 454536         | 3829820      | 12.60%         | 0.343%        |
| 3         | 3.535       | 3.527        | 3.552      | VV       | 55025          | 474466       | 1.56%          | 0.043%        |
| 4         | 3.564       | 3.552        | 3.596      | VV       | 16230          | 175024       | 0.58%          | 0.016%        |
| 5         | 3.616       | 3.596        | 3.627      | PV       | 14050          | 123949       | 0.41%          | 0.011%        |
| 6         | 3.644       | 3.627        | 3.658      | VV       | 42218          | 446673       | 1.47%          | 0.040%        |
| 7         | 3.668       | 3.658        | 3.681      | VV       | 25243          | 236324       | 0.78%          | 0.021%        |
| 8         | 3.714       | 3.681        | 3.747      | VV       | 35672          | 660704       | 2.17%          | 0.059%        |
| 9         | 3.786       | 3.747        | 3.814      | VV       | 102116         | 1550291      | 5.10%          | 0.139%        |
| 10        | 3.835       | 3.814        | 3.861      | VV       | 45002          | 780423       | 2.57%          | 0.070%        |
| 11        | 3.887       | 3.861        | 3.914      | VV       | 158452         | 2011194      | 6.61%          | 0.180%        |
| 12        | 3.926       | 3.914        | 3.937      | VV       | 66012          | 712769       | 2.34%          | 0.064%        |
| 13        | 3.961       | 3.937        | 3.977      | VV       | 95848          | 1350412      | 4.44%          | 0.121%        |
| 14        | 3.986       | 3.977        | 3.997      | VV       | 38228          | 342822       | 1.13%          | 0.031%        |
| 15        | 4.013       | 3.997        | 4.049      | VV       | 144979         | 1990180      | 6.55%          | 0.178%        |
| 16        | 4.065       | 4.049        | 4.080      | VV       | 94242          | 838790       | 2.76%          | 0.075%        |
| 17        | 4.099       | 4.080        | 4.152      | VV       | 163320         | 3022985      | 9.94%          | 0.271%        |
| 18        | 4.186       | 4.152        | 4.202      | VV       | 225218         | 3200630      | 10.53%         | 0.287%        |
| 19        | 4.214       | 4.202        | 4.233      | VV       | 202910         | 2122411      | 6.98%          | 0.190%        |
| 20        | 4.252       | 4.233        | 4.262      | VV       | 70760          | 995178       | 3.27%          | 0.089%        |
| 21        | 4.281       | 4.262        | 4.307      | VV       | 223360         | 2747576      | 9.04%          | 0.246%        |
| 22        | 4.356       | 4.307        | 4.382      | VV       | 336910         | 4520902      | 14.87%         | 0.405%        |
| 23        | 4.396       | 4.382        | 4.422      | VV       | 155378         | 2212370      | 7.28%          | 0.198%        |
| 24        | 4.434       | 4.422        | 4.474      | VV       | 66274          | 1278851      | 4.21%          | 0.115%        |
| 25        | 4.507       | 4.474        | 4.525      | VV       | 88323          | 1429242      | 4.70%          | 0.128%        |
| 26        | 4.547       | 4.525        | 4.564      | VV       | 108214         | 1592968      | 5.24%          | 0.143%        |
| 27        | 4.592       | 4.564        | 4.615      | VV       | 1452172        | 14490431     | 47.66%         | 1.299%        |
| 28        | 4.637       | 4.615        | 4.654      | VV       | 488578         | 4714063      | 15.50%         | 0.423%        |
| 29        | 4.665       | 4.654        | 4.682      | VV       | 123269         | 1283114      | 4.22%          | 0.115%        |
| 30        | 4.697       | 4.682        | 4.725      | VV       | 74617          | 1243498      | 4.09%          | 0.111%        |
| 31        | 4.747       | 4.725        | 4.778      | VV       | 140462         | 2726692      | 8.97%          | 0.244%        |
| 32        | 4.793       | 4.778        | 4.825      | VV       | 158052         | 3116093      | 10.25%         | 0.279%        |
| 33        | 4.843       | 4.825        | 4.861      | VV       | 464880         | 4734656      | 15.57%         | 0.424%        |
| 34        | 4.877       | 4.861        | 4.889      | VV       | 226279         | 2478331      | 8.15%          | 0.222%        |
| 35        | 4.897       | 4.889        | 4.910      | VV       | 159398         | 1696221      | 5.58%          | 0.152%        |
| 36        | 4.924       | 4.910        | 4.936      | VV       | 197628         | 2169498      | 7.13%          | 0.194%        |

| rteres |       |       |       |    |         |          |         |        |
|--------|-------|-------|-------|----|---------|----------|---------|--------|
| 37     | 4.970 | 4.936 | 4.986 | VV | 258710  | 4569351  | 15.03%  | 0.410% |
| 38     | 5.006 | 4.986 | 5.029 | VV | 358440  | 5032477  | 16.55%  | 0.451% |
| 39     | 5.046 | 5.029 | 5.057 | VV | 216869  | 2415126  | 7.94%   | 0.216% |
| 40     | 5.074 | 5.057 | 5.091 | VV | 252307  | 3189787  | 10.49%  | 0.286% |
| 41     | 5.122 | 5.091 | 5.174 | VV | 194303  | 5484455  | 18.04%  | 0.492% |
| 42     | 5.198 | 5.174 | 5.212 | VV | 275862  | 3158070  | 10.39%  | 0.283% |
| 43     | 5.230 | 5.212 | 5.256 | VV | 398365  | 6334626  | 20.83%  | 0.568% |
| 44     | 5.268 | 5.256 | 5.281 | VV | 365817  | 3724651  | 12.25%  | 0.334% |
| 45     | 5.289 | 5.281 | 5.300 | VV | 209681  | 1923241  | 6.33%   | 0.172% |
| 46     | 5.331 | 5.300 | 5.355 | VV | 388811  | 7558291  | 24.86%  | 0.677% |
| 47     | 5.365 | 5.355 | 5.380 | VV | 125235  | 1420262  | 4.67%   | 0.127% |
| 48     | 5.396 | 5.380 | 5.410 | VV | 72418   | 1222336  | 4.02%   | 0.110% |
| 49     | 5.433 | 5.410 | 5.462 | VV | 197498  | 4189491  | 13.78%  | 0.375% |
| 50     | 5.503 | 5.462 | 5.512 | VV | 235506  | 5299359  | 17.43%  | 0.475% |
| 51     | 5.521 | 5.512 | 5.539 | VV | 243293  | 3007974  | 9.89%   | 0.270% |
| 52     | 5.556 | 5.539 | 5.570 | VV | 165461  | 2555946  | 8.41%   | 0.229% |
| 53     | 5.583 | 5.570 | 5.605 | VV | 164715  | 2513748  | 8.27%   | 0.225% |
| 54     | 5.636 | 5.605 | 5.652 | VV | 2206707 | 24214906 | 79.64%  | 2.170% |
| 55     | 5.668 | 5.652 | 5.688 | VV | 472129  | 5523013  | 18.16%  | 0.495% |
| 56     | 5.703 | 5.688 | 5.714 | VV | 138287  | 1647400  | 5.42%   | 0.148% |
| 57     | 5.722 | 5.714 | 5.737 | VV | 118629  | 1365094  | 4.49%   | 0.122% |
| 58     | 5.768 | 5.737 | 5.779 | VV | 143167  | 2659569  | 8.75%   | 0.238% |
| 59     | 5.788 | 5.779 | 5.797 | VV | 126731  | 1303810  | 4.29%   | 0.117% |
| 60     | 5.824 | 5.797 | 5.858 | VV | 451001  | 8386954  | 27.58%  | 0.752% |
| 61     | 5.874 | 5.858 | 5.891 | VV | 167512  | 2622223  | 8.62%   | 0.235% |
| 62     | 5.916 | 5.891 | 5.955 | VV | 482863  | 11413805 | 37.54%  | 1.023% |
| 63     | 5.975 | 5.955 | 5.991 | VV | 446985  | 5247650  | 17.26%  | 0.470% |
| 64     | 6.015 | 5.991 | 6.029 | VV | 337240  | 5388966  | 17.72%  | 0.483% |
| 65     | 6.039 | 6.029 | 6.067 | VV | 223636  | 3675177  | 12.09%  | 0.329% |
| 66     | 6.087 | 6.067 | 6.110 | VV | 239730  | 3815271  | 12.55%  | 0.342% |
| 67     | 6.133 | 6.110 | 6.156 | VV | 303861  | 5529915  | 18.19%  | 0.496% |
| 68     | 6.189 | 6.156 | 6.207 | VV | 635879  | 10030060 | 32.99%  | 0.899% |
| 69     | 6.225 | 6.207 | 6.247 | VV | 333655  | 5196286  | 17.09%  | 0.466% |
| 70     | 6.269 | 6.247 | 6.299 | VV | 457253  | 7127660  | 23.44%  | 0.639% |
| 71     | 6.328 | 6.299 | 6.347 | VV | 470223  | 7850791  | 25.82%  | 0.704% |
| 72     | 6.370 | 6.347 | 6.388 | VV | 205833  | 4235843  | 13.93%  | 0.380% |
| 73     | 6.403 | 6.388 | 6.427 | VV | 271323  | 4968736  | 16.34%  | 0.445% |
| 74     | 6.455 | 6.427 | 6.474 | VV | 263724  | 5786226  | 19.03%  | 0.519% |
| 75     | 6.493 | 6.474 | 6.514 | VV | 264381  | 4644237  | 15.27%  | 0.416% |
| 76     | 6.559 | 6.514 | 6.583 | VV | 333775  | 9031043  | 29.70%  | 0.809% |
| 77     | 6.620 | 6.583 | 6.660 | VV | 2130522 | 30406748 | 100.00% | 2.725% |
| 78     | 6.701 | 6.660 | 6.714 | VV | 176903  | 4767619  | 15.68%  | 0.427% |
| 79     | 6.729 | 6.714 | 6.739 | VV | 208117  | 2723542  | 8.96%   | 0.244% |
| 80     | 6.760 | 6.739 | 6.782 | VV | 739316  | 10149494 | 33.38%  | 0.910% |
| 81     | 6.814 | 6.782 | 6.855 | VV | 330686  | 9302461  | 30.59%  | 0.834% |
| 82     | 6.894 | 6.855 | 6.915 | VV | 282570  | 6923104  | 22.77%  | 0.621% |
| 83     | 6.938 | 6.915 | 6.960 | VV | 308666  | 6100440  | 20.06%  | 0.547% |
| 84     | 6.969 | 6.960 | 6.984 | VV | 225891  | 2811513  | 9.25%   | 0.252% |
| 85     | 7.024 | 6.984 | 7.044 | VV | 556427  | 9806708  | 32.25%  | 0.879% |
| 86     | 7.061 | 7.044 | 7.070 | VV | 177297  | 2543016  | 8.36%   | 0.228% |
| 87     | 7.124 | 7.070 | 7.153 | VV | 348268  | 12050876 | 39.63%  | 1.080% |
| 88     | 7.171 | 7.153 | 7.194 | VV | 362920  | 6710078  | 22.07%  | 0.601% |
| 89     | 7.211 | 7.194 | 7.232 | VV | 404273  | 6522101  | 21.45%  | 0.585% |

| rteres |       |       |       |    |         |          |        |        |
|--------|-------|-------|-------|----|---------|----------|--------|--------|
| 90     | 7.252 | 7.232 | 7.291 | VV | 715321  | 13013241 | 42.80% | 1.166% |
| 91     | 7.312 | 7.291 | 7.329 | VV | 557927  | 7678552  | 25.25% | 0.688% |
| 92     | 7.339 | 7.329 | 7.358 | VV | 281281  | 4050868  | 13.32% | 0.363% |
| 93     | 7.383 | 7.358 | 7.401 | VV | 224627  | 5012597  | 16.49% | 0.449% |
| 94     | 7.418 | 7.401 | 7.437 | VV | 252364  | 4247275  | 13.97% | 0.381% |
| 95     | 7.462 | 7.437 | 7.481 | VV | 184856  | 4323048  | 14.22% | 0.387% |
| 96     | 7.540 | 7.481 | 7.569 | VV | 1759047 | 28941771 | 95.18% | 2.594% |
| 97     | 7.585 | 7.569 | 7.602 | VV | 267823  | 4255534  | 14.00% | 0.381% |
| 98     | 7.623 | 7.602 | 7.680 | VV | 216691  | 8739032  | 28.74% | 0.783% |
| 99     | 7.708 | 7.680 | 7.731 | VV | 331432  | 7689426  | 25.29% | 0.689% |
| 100    | 7.739 | 7.731 | 7.756 | VV | 263232  | 3296848  | 10.84% | 0.295% |
| 101    | 7.766 | 7.756 | 7.800 | VV | 194553  | 4184355  | 13.76% | 0.375% |
| 102    | 7.816 | 7.800 | 7.825 | VV | 155776  | 2091638  | 6.88%  | 0.187% |
| 103    | 7.855 | 7.825 | 7.891 | VV | 719097  | 13009922 | 42.79% | 1.166% |
| 104    | 7.900 | 7.891 | 7.920 | VV | 203289  | 3073833  | 10.11% | 0.276% |
| 105    | 7.934 | 7.920 | 7.942 | VV | 153286  | 1864797  | 6.13%  | 0.167% |
| 106    | 7.982 | 7.942 | 7.997 | VV | 282849  | 6801804  | 22.37% | 0.610% |
| 107    | 8.008 | 7.997 | 8.027 | VV | 248864  | 3533173  | 11.62% | 0.317% |
| 108    | 8.052 | 8.027 | 8.073 | VV | 292067  | 5345395  | 17.58% | 0.479% |
| 109    | 8.097 | 8.073 | 8.121 | VV | 333223  | 6112241  | 20.10% | 0.548% |
| 110    | 8.151 | 8.121 | 8.200 | VV | 385989  | 9759980  | 32.10% | 0.875% |
| 111    | 8.224 | 8.200 | 8.246 | VV | 512752  | 7567790  | 24.89% | 0.678% |
| 112    | 8.258 | 8.246 | 8.276 | VV | 177110  | 2837148  | 9.33%  | 0.254% |
| 113    | 8.285 | 8.276 | 8.301 | VV | 161110  | 2226595  | 7.32%  | 0.200% |
| 114    | 8.319 | 8.301 | 8.333 | VV | 202532  | 3320961  | 10.92% | 0.298% |
| 115    | 8.346 | 8.333 | 8.356 | VV | 196733  | 2483092  | 8.17%  | 0.223% |
| 116    | 8.368 | 8.356 | 8.378 | VV | 203147  | 2490021  | 8.19%  | 0.223% |
| 117    | 8.408 | 8.378 | 8.427 | VV | 1520286 | 19525335 | 64.21% | 1.750% |
| 118    | 8.450 | 8.427 | 8.472 | VV | 235319  | 4990813  | 16.41% | 0.447% |
| 119    | 8.494 | 8.472 | 8.503 | VV | 177116  | 2880043  | 9.47%  | 0.258% |
| 120    | 8.530 | 8.503 | 8.559 | VV | 439355  | 7943637  | 26.12% | 0.712% |
| 121    | 8.578 | 8.559 | 8.613 | VV | 194803  | 5152677  | 16.95% | 0.462% |
| 122    | 8.636 | 8.613 | 8.666 | VV | 188365  | 4741965  | 15.60% | 0.425% |
| 123    | 8.690 | 8.666 | 8.709 | VV | 147498  | 3514880  | 11.56% | 0.315% |
| 124    | 8.729 | 8.709 | 8.748 | VV | 444625  | 5916690  | 19.46% | 0.530% |
| 125    | 8.764 | 8.748 | 8.792 | VV | 170197  | 4087354  | 13.44% | 0.366% |
| 126    | 8.826 | 8.792 | 8.862 | VV | 476621  | 9873301  | 32.47% | 0.885% |
| 127    | 8.886 | 8.862 | 8.905 | VV | 178958  | 3960939  | 13.03% | 0.355% |
| 128    | 8.934 | 8.905 | 8.961 | VV | 449057  | 7407798  | 24.36% | 0.664% |
| 129    | 8.985 | 8.961 | 9.002 | VV | 175979  | 3216176  | 10.58% | 0.288% |
| 130    | 9.020 | 9.002 | 9.035 | VV | 120337  | 2123247  | 6.98%  | 0.190% |
| 131    | 9.054 | 9.035 | 9.066 | VV | 132346  | 2162941  | 7.11%  | 0.194% |
| 132    | 9.080 | 9.066 | 9.126 | VV | 130104  | 3892858  | 12.80% | 0.349% |
| 133    | 9.169 | 9.126 | 9.188 | VV | 124091  | 3991478  | 13.13% | 0.358% |
| 134    | 9.222 | 9.188 | 9.252 | VV | 832781  | 11600571 | 38.15% | 1.040% |
| 135    | 9.267 | 9.252 | 9.286 | VV | 109528  | 2057400  | 6.77%  | 0.184% |
| 136    | 9.303 | 9.286 | 9.346 | VV | 112206  | 3280427  | 10.79% | 0.294% |
| 137    | 9.358 | 9.346 | 9.371 | VV | 86975   | 1239190  | 4.08%  | 0.111% |
| 138    | 9.386 | 9.371 | 9.403 | VV | 90767   | 1600507  | 5.26%  | 0.143% |
| 139    | 9.418 | 9.403 | 9.438 | VV | 82315   | 1614756  | 5.31%  | 0.145% |
| 140    | 9.457 | 9.438 | 9.486 | VV | 85755   | 2221449  | 7.31%  | 0.199% |
| 141    | 9.517 | 9.486 | 9.536 | VV | 97234   | 2405060  | 7.91%  | 0.216% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.549  | 9.536  | 9.571  | VV | 77557  | 1465124 | 4.82%  | 0.131% |
| 143    | 9.606  | 9.571  | 9.647  | VV | 413859 | 7609367 | 25.03% | 0.682% |
| 144    | 9.675  | 9.647  | 9.700  | VV | 119279 | 2939328 | 9.67%  | 0.263% |
| 145    | 9.718  | 9.700  | 9.737  | VV | 106484 | 1867645 | 6.14%  | 0.167% |
| 146    | 9.751  | 9.737  | 9.760  | VV | 84689  | 1045666 | 3.44%  | 0.094% |
| 147    | 9.774  | 9.760  | 9.805  | VV | 97507  | 1921040 | 6.32%  | 0.172% |
| 148    | 9.818  | 9.805  | 9.827  | VV | 55688  | 734644  | 2.42%  | 0.066% |
| 149    | 9.838  | 9.827  | 9.867  | VV | 57028  | 1234245 | 4.06%  | 0.111% |
| 150    | 9.880  | 9.867  | 9.889  | VV | 47515  | 614905  | 2.02%  | 0.055% |
| 151    | 9.911  | 9.889  | 9.925  | VV | 57639  | 1153172 | 3.79%  | 0.103% |
| 152    | 9.952  | 9.925  | 9.967  | VV | 76271  | 1643487 | 5.41%  | 0.147% |
| 153    | 9.996  | 9.967  | 10.041 | VV | 668425 | 9229991 | 30.36% | 0.827% |
| 154    | 10.058 | 10.041 | 10.073 | VV | 53374  | 961552  | 3.16%  | 0.086% |
| 155    | 10.092 | 10.073 | 10.149 | VV | 48914  | 1950820 | 6.42%  | 0.175% |
| 156    | 10.174 | 10.149 | 10.246 | VV | 43024  | 2194112 | 7.22%  | 0.197% |
| 157    | 10.270 | 10.246 | 10.295 | VV | 39367  | 1054352 | 3.47%  | 0.094% |
| 158    | 10.338 | 10.295 | 10.354 | VV | 56688  | 1461083 | 4.81%  | 0.131% |
| 159    | 10.381 | 10.354 | 10.412 | VV | 127889 | 2438443 | 8.02%  | 0.219% |
| 160    | 10.429 | 10.412 | 10.445 | VV | 46919  | 806246  | 2.65%  | 0.072% |
| 161    | 10.469 | 10.445 | 10.500 | VV | 54844  | 1361694 | 4.48%  | 0.122% |
| 162    | 10.523 | 10.500 | 10.559 | VV | 60275  | 1301146 | 4.28%  | 0.117% |
| 163    | 10.588 | 10.559 | 10.599 | VV | 26126  | 586546  | 1.93%  | 0.053% |
| 164    | 10.612 | 10.599 | 10.632 | VV | 26394  | 521950  | 1.72%  | 0.047% |
| 165    | 10.658 | 10.632 | 10.691 | VV | 33412  | 980704  | 3.23%  | 0.088% |
| 166    | 10.729 | 10.691 | 10.774 | VV | 212455 | 3406985 | 11.20% | 0.305% |
| 167    | 10.800 | 10.774 | 10.897 | VV | 96746  | 2636355 | 8.67%  | 0.236% |
| 168    | 10.915 | 10.897 | 10.932 | VV | 18323  | 363470  | 1.20%  | 0.033% |
| 169    | 10.944 | 10.932 | 10.956 | VV | 17994  | 252075  | 0.83%  | 0.023% |
| 170    | 11.007 | 10.956 | 11.031 | VV | 320109 | 4161126 | 13.68% | 0.373% |
| 171    | 11.081 | 11.031 | 11.106 | VV | 310809 | 4006840 | 13.18% | 0.359% |
| 172    | 11.120 | 11.106 | 11.161 | VV | 30262  | 760629  | 2.50%  | 0.068% |
| 173    | 11.180 | 11.161 | 11.219 | VV | 23159  | 580407  | 1.91%  | 0.052% |
| 174    | 11.234 | 11.219 | 11.266 | VV | 20322  | 422951  | 1.39%  | 0.038% |
| 175    | 11.287 | 11.266 | 11.326 | VV | 14680  | 446292  | 1.47%  | 0.040% |
| 176    | 11.355 | 11.326 | 11.374 | VV | 12378  | 332011  | 1.09%  | 0.030% |
| 177    | 11.431 | 11.374 | 11.459 | VV | 361732 | 4539952 | 14.93% | 0.407% |
| 178    | 11.473 | 11.459 | 11.493 | VV | 13271  | 256999  | 0.85%  | 0.023% |
| 179    | 11.521 | 11.493 | 11.567 | VV | 44006  | 858068  | 2.82%  | 0.077% |
| 180    | 11.585 | 11.567 | 11.614 | VV | 9174   | 218669  | 0.72%  | 0.020% |
| 181    | 11.631 | 11.614 | 11.644 | VV | 8286   | 128371  | 0.42%  | 0.012% |
| 182    | 11.693 | 11.644 | 11.706 | VV | 8769   | 287476  | 0.95%  | 0.026% |
| 183    | 11.723 | 11.706 | 11.734 | VV | 13979  | 204887  | 0.67%  | 0.018% |
| 184    | 11.762 | 11.734 | 11.791 | VV | 392823 | 4408193 | 14.50% | 0.395% |
| 185    | 11.831 | 11.791 | 11.850 | VV | 18538  | 454067  | 1.49%  | 0.041% |
| 186    | 11.861 | 11.850 | 11.879 | VV | 9855   | 138498  | 0.46%  | 0.012% |
| 187    | 11.915 | 11.879 | 11.935 | VV | 16775  | 341904  | 1.12%  | 0.031% |
| 188    | 11.950 | 11.935 | 11.965 | VV | 8661   | 127638  | 0.42%  | 0.011% |
| 189    | 11.984 | 11.965 | 12.007 | VV | 9751   | 172349  | 0.57%  | 0.015% |
| 190    | 12.028 | 12.007 | 12.041 | VV | 4605   | 82369   | 0.27%  | 0.007% |
| 191    | 12.096 | 12.041 | 12.126 | VV | 70341  | 1068339 | 3.51%  | 0.096% |
| 192    | 12.148 | 12.126 | 12.179 | VV | 11868  | 244744  | 0.80%  | 0.022% |
| 193    | 12.201 | 12.179 | 12.248 | VV | 8558   | 227383  | 0.75%  | 0.020% |
| 194    | 12.267 | 12.248 | 12.284 | VV | 5372   | 87136   | 0.29%  | 0.008% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.299 | 12.284 | 12.316 | VV | 4289   | 62967   | 0.21%  | 0.006% |
| 196 | 12.342 | 12.316 | 12.396 | VV | 28118  | 488815  | 1.61%  | 0.044% |
| 197 | 12.405 | 12.396 | 12.422 | VV | 5176   | 67013   | 0.22%  | 0.006% |
| 198 | 12.436 | 12.422 | 12.457 | VV | 4712   | 76085   | 0.25%  | 0.007% |
| 199 | 12.478 | 12.457 | 12.494 | VV | 6494   | 110230  | 0.36%  | 0.010% |
| 200 | 12.510 | 12.494 | 12.539 | VV | 6461   | 122185  | 0.40%  | 0.011% |
| 201 | 12.559 | 12.539 | 12.576 | VV | 5654   | 82866   | 0.27%  | 0.007% |
| 202 | 12.595 | 12.576 | 12.632 | VV | 5077   | 97179   | 0.32%  | 0.009% |
| 203 | 12.661 | 12.632 | 12.684 | VV | 3363   | 64653   | 0.21%  | 0.006% |
| 204 | 12.737 | 12.684 | 12.787 | VV | 296916 | 3510110 | 11.54% | 0.315% |
| 205 | 12.824 | 12.787 | 12.864 | VV | 283165 | 3270947 | 10.76% | 0.293% |
| 206 | 12.878 | 12.864 | 12.906 | VV | 1965   | 29918   | 0.10%  | 0.003% |
| 207 | 12.947 | 12.906 | 12.961 | PV | 1240   | 21826   | 0.07%  | 0.002% |
| 208 | 13.008 | 12.961 | 13.039 | VV | 6791   | 153689  | 0.51%  | 0.014% |
| 209 | 13.058 | 13.039 | 13.081 | VV | 2868   | 43999   | 0.14%  | 0.004% |
| 210 | 13.123 | 13.081 | 13.147 | VV | 255854 | 3030988 | 9.97%  | 0.272% |
| 211 | 13.184 | 13.147 | 13.207 | VV | 280858 | 3665183 | 12.05% | 0.329% |
| 212 | 13.221 | 13.207 | 13.274 | VV | 26562  | 371757  | 1.22%  | 0.033% |
| 213 | 13.292 | 13.274 | 13.308 | VV | 3226   | 40939   | 0.13%  | 0.004% |
| 214 | 13.348 | 13.308 | 13.376 | VV | 269758 | 3173825 | 10.44% | 0.284% |
| 215 | 13.389 | 13.376 | 13.404 | VV | 5815   | 90179   | 0.30%  | 0.008% |
| 216 | 13.417 | 13.404 | 13.433 | VV | 6152   | 89381   | 0.29%  | 0.008% |
| 217 | 13.440 | 13.433 | 13.496 | VV | 4131   | 89385   | 0.29%  | 0.008% |
| 218 | 13.512 | 13.496 | 13.526 | VV | 2334   | 22768   | 0.07%  | 0.002% |
| 219 | 13.538 | 13.526 | 13.549 | VV | 1617   | 14003   | 0.05%  | 0.001% |
| 220 | 13.575 | 13.549 | 13.606 | PV | 11264  | 173805  | 0.57%  | 0.016% |
| 221 | 13.625 | 13.606 | 13.642 | VV | 2842   | 49397   | 0.16%  | 0.004% |
| 222 | 13.656 | 13.642 | 13.674 | VV | 2297   | 30258   | 0.10%  | 0.003% |
| 223 | 13.704 | 13.674 | 13.753 | VV | 9737   | 184066  | 0.61%  | 0.016% |
| 224 | 13.772 | 13.753 | 13.791 | VV | 3855   | 54174   | 0.18%  | 0.005% |
| 225 | 13.813 | 13.791 | 13.834 | VV | 9337   | 119230  | 0.39%  | 0.011% |
| 226 | 13.852 | 13.834 | 13.871 | VV | 3822   | 56387   | 0.19%  | 0.005% |
| 227 | 13.933 | 13.871 | 13.971 | VV | 248375 | 3093186 | 10.17% | 0.277% |
| 228 | 13.981 | 13.971 | 14.007 | VV | 4532   | 72139   | 0.24%  | 0.006% |
| 229 | 14.023 | 14.007 | 14.047 | VV | 3580   | 44603   | 0.15%  | 0.004% |
| 230 | 14.065 | 14.047 | 14.117 | VV | 1545   | 33942   | 0.11%  | 0.003% |
| 231 | 14.162 | 14.117 | 14.194 | PV | 3545   | 88082   | 0.29%  | 0.008% |
| 232 | 14.227 | 14.194 | 14.245 | VV | 1299   | 32758   | 0.11%  | 0.003% |
| 233 | 14.260 | 14.245 | 14.272 | VV | 1304   | 14343   | 0.05%  | 0.001% |
| 234 | 14.290 | 14.272 | 14.307 | VV | 1962   | 27940   | 0.09%  | 0.003% |
| 235 | 14.350 | 14.307 | 14.369 | VV | 2879   | 78017   | 0.26%  | 0.007% |
| 236 | 14.391 | 14.369 | 14.422 | VV | 9073   | 143397  | 0.47%  | 0.013% |
| 237 | 14.436 | 14.422 | 14.452 | VV | 2482   | 36438   | 0.12%  | 0.003% |
| 238 | 14.460 | 14.452 | 14.469 | VV | 1622   | 14141   | 0.05%  | 0.001% |
| 239 | 14.493 | 14.469 | 14.519 | VV | 24082  | 309427  | 1.02%  | 0.028% |
| 240 | 14.556 | 14.519 | 14.598 | VV | 4203   | 127969  | 0.42%  | 0.011% |
| 241 | 14.621 | 14.598 | 14.661 | VV | 5277   | 82201   | 0.27%  | 0.007% |
| 242 | 14.685 | 14.661 | 14.706 | PV | 5663   | 78362   | 0.26%  | 0.007% |
| 243 | 14.720 | 14.706 | 14.737 | VV | 2866   | 44886   | 0.15%  | 0.004% |
| 244 | 14.750 | 14.737 | 14.762 | VV | 2400   | 24756   | 0.08%  | 0.002% |
| 245 | 14.778 | 14.762 | 14.792 | VV | 1869   | 25803   | 0.08%  | 0.002% |
| 246 | 14.809 | 14.792 | 14.826 | VV | 2793   | 35570   | 0.12%  | 0.003% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 14.843 | 14.826 | 14.858 | PV | 2673   | 31927   | 0.11%  | 0.003% |
| 248    | 14.889 | 14.858 | 14.909 | VV | 3000   | 52404   | 0.17%  | 0.005% |
| 249    | 14.934 | 14.909 | 14.961 | VV | 2130   | 43644   | 0.14%  | 0.004% |
| 250    | 15.000 | 14.961 | 15.015 | VV | 207017 | 2651461 | 8.72%  | 0.238% |
| 251    | 15.038 | 15.015 | 15.071 | VV | 408401 | 5461353 | 17.96% | 0.489% |
| 252    | 15.083 | 15.071 | 15.102 | VV | 2817   | 41294   | 0.14%  | 0.004% |
| 253    | 15.157 | 15.102 | 15.174 | VV | 5677   | 145861  | 0.48%  | 0.013% |
| 254    | 15.183 | 15.174 | 15.198 | VV | 3135   | 37328   | 0.12%  | 0.003% |
| 255    | 15.230 | 15.198 | 15.269 | VV | 4543   | 103246  | 0.34%  | 0.009% |
| 256    | 15.295 | 15.269 | 15.324 | VV | 3430   | 79400   | 0.26%  | 0.007% |
| 257    | 15.366 | 15.324 | 15.387 | VV | 3127   | 96377   | 0.32%  | 0.009% |
| 258    | 15.416 | 15.387 | 15.444 | VV | 19084  | 322849  | 1.06%  | 0.029% |
| 259    | 15.457 | 15.444 | 15.514 | VV | 4395   | 123759  | 0.41%  | 0.011% |
| 260    | 15.551 | 15.514 | 15.605 | VV | 26114  | 424620  | 1.40%  | 0.038% |
| 261    | 15.641 | 15.605 | 15.650 | VV | 5724   | 100290  | 0.33%  | 0.009% |
| 262    | 15.665 | 15.650 | 15.686 | VV | 7552   | 112681  | 0.37%  | 0.010% |
| 263    | 15.707 | 15.686 | 15.731 | VV | 5851   | 111725  | 0.37%  | 0.010% |
| 264    | 15.752 | 15.731 | 15.772 | VV | 4044   | 79550   | 0.26%  | 0.007% |
| 265    | 15.826 | 15.772 | 15.852 | VV | 6533   | 201059  | 0.66%  | 0.018% |
| 266    | 15.861 | 15.852 | 15.869 | VV | 4591   | 42177   | 0.14%  | 0.004% |
| 267    | 15.876 | 15.869 | 15.892 | VV | 4442   | 56038   | 0.18%  | 0.005% |
| 268    | 15.924 | 15.892 | 15.938 | VV | 4476   | 109001  | 0.36%  | 0.010% |
| 269    | 15.987 | 15.938 | 16.012 | VV | 5368   | 195675  | 0.64%  | 0.018% |
| 270    | 16.055 | 16.012 | 16.084 | VV | 229954 | 2966704 | 9.76%  | 0.266% |
| 271    | 16.095 | 16.084 | 16.141 | VV | 7859   | 222727  | 0.73%  | 0.020% |
| 272    | 16.152 | 16.141 | 16.163 | VV | 6109   | 73343   | 0.24%  | 0.007% |
| 273    | 16.263 | 16.163 | 16.292 | VV | 9978   | 542804  | 1.79%  | 0.049% |
| 274    | 16.358 | 16.292 | 16.392 | VV | 11866  | 549685  | 1.81%  | 0.049% |
| 275    | 16.432 | 16.392 | 16.452 | VV | 11532  | 372923  | 1.23%  | 0.033% |
| 276    | 16.473 | 16.452 | 16.504 | VV | 11683  | 324290  | 1.07%  | 0.029% |
| 277    | 16.560 | 16.504 | 16.575 | VV | 208258 | 3449470 | 11.34% | 0.309% |
| 278    | 16.591 | 16.575 | 16.624 | VV | 219494 | 2768644 | 9.11%  | 0.248% |
| 279    | 16.689 | 16.624 | 16.724 | VV | 19719  | 1012391 | 3.33%  | 0.091% |
| 280    | 16.739 | 16.724 | 16.756 | VV | 19147  | 342743  | 1.13%  | 0.031% |
| 281    | 16.771 | 16.756 | 16.802 | VV | 19511  | 503246  | 1.66%  | 0.045% |
| 282    | 16.843 | 16.802 | 16.854 | VV | 21423  | 592757  | 1.95%  | 0.053% |
| 283    | 16.878 | 16.854 | 16.901 | VV | 28622  | 673914  | 2.22%  | 0.060% |
| 284    | 16.941 | 16.901 | 16.972 | VV | 202361 | 3131400 | 10.30% | 0.281% |
| 285    | 17.003 | 16.972 | 17.031 | VV | 234269 | 3529403 | 11.61% | 0.316% |
| 286    | 17.042 | 17.031 | 17.074 | VV | 29255  | 682562  | 2.24%  | 0.061% |
| 287    | 17.083 | 17.074 | 17.107 | VV | 25010  | 472199  | 1.55%  | 0.042% |
| 288    | 17.114 | 17.107 | 17.124 | VV | 24201  | 233021  | 0.77%  | 0.021% |
| 289    | 17.162 | 17.124 | 17.172 | VV | 26940  | 704620  | 2.32%  | 0.063% |
| 290    | 17.191 | 17.172 | 17.200 | VV | 26901  | 426308  | 1.40%  | 0.038% |
| 291    | 17.245 | 17.200 | 17.257 | VV | 28794  | 922200  | 3.03%  | 0.083% |
| 292    | 17.276 | 17.257 | 17.292 | VV | 33260  | 629835  | 2.07%  | 0.056% |
| 293    | 17.302 | 17.292 | 17.315 | VV | 29538  | 404550  | 1.33%  | 0.036% |
| 294    | 17.338 | 17.315 | 17.362 | VV | 35349  | 926449  | 3.05%  | 0.083% |
| 295    | 17.385 | 17.362 | 17.406 | VV | 32267  | 821497  | 2.70%  | 0.074% |
| 296    | 17.451 | 17.406 | 17.481 | VV | 84309  | 2107932 | 6.93%  | 0.189% |
| 297    | 17.511 | 17.481 | 17.529 | VV | 37366  | 1014396 | 3.34%  | 0.091% |
| 298    | 17.547 | 17.529 | 17.562 | VV | 36123  | 687140  | 2.26%  | 0.062% |
| 299    | 17.593 | 17.562 | 17.628 | VV | 43140  | 1523492 | 5.01%  | 0.137% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 300 | 17.644 | 17.628 | 17.689 | VV | 40104  | 1373502 | 4.52%  | 0.123% |
| 301 | 17.736 | 17.689 | 17.754 | VV | 41838  | 1518054 | 4.99%  | 0.136% |
| 302 | 17.766 | 17.754 | 17.776 | VV | 41005  | 518570  | 1.71%  | 0.046% |
| 303 | 17.782 | 17.776 | 17.794 | VV | 41177  | 440585  | 1.45%  | 0.039% |
| 304 | 17.815 | 17.794 | 17.825 | VV | 44997  | 810154  | 2.66%  | 0.073% |
| 305 | 17.835 | 17.825 | 17.851 | VV | 44926  | 661455  | 2.18%  | 0.059% |
| 306 | 17.891 | 17.851 | 17.938 | VV | 260672 | 5205759 | 17.12% | 0.467% |
| 307 | 17.987 | 17.938 | 17.998 | VV | 49434  | 1631404 | 5.37%  | 0.146% |
| 308 | 18.060 | 17.998 | 18.080 | VV | 85152  | 2910649 | 9.57%  | 0.261% |
| 309 | 18.090 | 18.080 | 18.128 | VV | 61698  | 1613970 | 5.31%  | 0.145% |
| 310 | 18.156 | 18.128 | 18.174 | VV | 54821  | 1452306 | 4.78%  | 0.130% |
| 311 | 18.262 | 18.174 | 18.279 | VV | 68541  | 3757990 | 12.36% | 0.337% |
| 312 | 18.316 | 18.279 | 18.333 | VV | 262283 | 4766380 | 15.68% | 0.427% |
| 313 | 18.351 | 18.333 | 18.386 | VV | 234033 | 4119472 | 13.55% | 0.369% |
| 314 | 18.433 | 18.386 | 18.456 | VV | 88066  | 3044848 | 10.01% | 0.273% |
| 315 | 18.471 | 18.456 | 18.495 | VV | 75030  | 1658438 | 5.45%  | 0.149% |
| 316 | 18.506 | 18.495 | 18.529 | VV | 67998  | 1356529 | 4.46%  | 0.122% |
| 317 | 18.574 | 18.529 | 18.600 | VV | 241874 | 5140288 | 16.91% | 0.461% |
| 318 | 18.616 | 18.600 | 18.631 | VV | 71039  | 1283005 | 4.22%  | 0.115% |
| 319 | 18.650 | 18.631 | 18.662 | VV | 70331  | 1295886 | 4.26%  | 0.116% |
| 320 | 18.723 | 18.662 | 18.768 | VV | 273097 | 7305350 | 24.03% | 0.655% |
| 321 | 18.851 | 18.768 | 18.877 | VV | 101161 | 5258712 | 17.29% | 0.471% |
| 322 | 18.902 | 18.877 | 18.939 | VV | 95469  | 3137801 | 10.32% | 0.281% |
| 323 | 19.004 | 18.939 | 19.025 | VV | 89351  | 4288800 | 14.10% | 0.384% |
| 324 | 19.036 | 19.025 | 19.048 | VV | 85071  | 1184344 | 3.90%  | 0.106% |
| 325 | 19.118 | 19.048 | 19.144 | VV | 111447 | 5317878 | 17.49% | 0.477% |
| 326 | 19.184 | 19.144 | 19.211 | VV | 97451  | 3633135 | 11.95% | 0.326% |
| 327 | 19.247 | 19.211 | 19.294 | VV | 102437 | 4716239 | 15.51% | 0.423% |
| 328 | 19.306 | 19.294 | 19.320 | VV | 95905  | 1496322 | 4.92%  | 0.134% |
| 329 | 19.330 | 19.320 | 19.335 | VV | 94731  | 813187  | 2.67%  | 0.073% |
| 330 | 19.369 | 19.335 | 19.399 | VV | 103139 | 3815180 | 12.55% | 0.342% |
| 331 | 19.406 | 19.399 | 19.419 | VV | 106608 | 1234098 | 4.06%  | 0.111% |
| 332 | 19.445 | 19.419 | 19.464 | VV | 106875 | 2756020 | 9.06%  | 0.247% |
| 333 | 19.506 | 19.464 | 19.534 | VV | 277210 | 6836175 | 22.48% | 0.613% |
| 334 | 19.560 | 19.534 | 19.574 | VV | 114515 | 2664773 | 8.76%  | 0.239% |
| 335 | 19.590 | 19.574 | 19.601 | VV | 112657 | 1783240 | 5.86%  | 0.160% |
| 336 | 19.651 | 19.601 | 19.692 | VV | 122621 | 6456158 | 21.23% | 0.579% |
| 337 | 19.731 | 19.692 | 19.754 | VV | 121585 | 4340577 | 14.28% | 0.389% |
| 338 | 19.792 | 19.754 | 19.806 | VV | 124283 | 3759637 | 12.36% | 0.337% |
| 339 | 19.818 | 19.806 | 19.834 | VV | 122120 | 2025900 | 6.66%  | 0.182% |
| 340 | 19.883 | 19.834 | 19.909 | VV | 158609 | 6126027 | 20.15% | 0.549% |
| 341 | 19.931 | 19.909 | 19.940 | VV | 134227 | 2447000 | 8.05%  | 0.219% |
| 342 | 19.954 | 19.940 | 19.971 | VV | 136868 | 2453562 | 8.07%  | 0.220% |
| 343 | 19.988 | 19.971 | 20.039 | VV | 131229 | 5184512 | 17.05% | 0.465% |
| 344 | 20.075 | 20.039 | 20.087 | VV | 140073 | 3898316 | 12.82% | 0.349% |
| 345 | 20.109 | 20.087 | 20.141 | VV | 146411 | 4564919 | 15.01% | 0.409% |
| 346 | 20.178 | 20.141 | 20.210 | VV | 161374 | 6338680 | 20.85% | 0.568% |
| 347 | 20.245 | 20.210 | 20.272 | VV | 284043 | 7168956 | 23.58% | 0.643% |
| 348 | 20.284 | 20.272 | 20.292 | VV | 140224 | 1707779 | 5.62%  | 0.153% |
| 349 | 20.339 | 20.292 | 20.359 | VV | 156748 | 5893407 | 19.38% | 0.528% |
| 350 | 20.376 | 20.359 | 20.390 | VV | 162642 | 2940546 | 9.67%  | 0.264% |
| 351 | 20.407 | 20.390 | 20.462 | VV | 167687 | 6722867 | 22.11% | 0.603% |

|     |        |        |        |     |                                    |         |        |        |
|-----|--------|--------|--------|-----|------------------------------------|---------|--------|--------|
|     |        |        |        |     |                                    | rters   |        |        |
| 352 | 20.470 | 20.462 | 20.519 | VV  | 150161                             | 4869880 | 16.02% | 0.436% |
| 353 | 20.544 | 20.519 | 20.553 | VV  | 135809                             | 2742924 | 9.02%  | 0.246% |
| 354 | 20.609 | 20.553 | 20.656 | VV  | 157130                             | 9101209 | 29.93% | 0.816% |
| 355 | 20.670 | 20.656 | 20.686 | VV  | 155747                             | 2667009 | 8.77%  | 0.239% |
| 356 | 20.694 | 20.686 | 20.724 | VV  | 153031                             | 3346315 | 11.01% | 0.300% |
| 357 | 20.742 | 20.724 | 20.769 | VV  | 142781                             | 3715786 | 12.22% | 0.333% |
| 358 | 20.780 | 20.769 | 20.799 | VV  | 134131                             | 2321099 | 7.63%  | 0.208% |
| 359 | 20.815 | 20.799 | 20.829 | VV  | 128824                             | 2252463 | 7.41%  | 0.202% |
| 360 | 20.837 | 20.829 | 20.847 | VV  | 124995                             | 1350132 | 4.44%  | 0.121% |
| 361 | 20.860 | 20.847 | 20.879 | VV  | 129154                             | 2399603 | 7.89%  | 0.215% |
| 362 | 20.889 | 20.879 | 20.901 | VV  | 131279                             | 1693564 | 5.57%  | 0.152% |
| 363 | 20.933 | 20.901 | 20.956 | VV  | 140956                             | 4524819 | 14.88% | 0.406% |
| 364 | 21.017 | 20.956 | 21.059 | VV  | 231040                             | 9870742 | 32.46% | 0.885% |
| 365 | 21.065 | 21.059 | 21.107 | VV  | 123405                             | 3399156 | 11.18% | 0.305% |
| 366 | 21.128 | 21.107 | 21.139 | VV  | 115309                             | 2163704 | 7.12%  | 0.194% |
| 367 | 21.157 | 21.139 | 21.182 | VV  | 118155                             | 2985539 | 9.82%  | 0.268% |
| 368 | 21.196 | 21.182 | 21.216 | VV  | 115629                             | 2286663 | 7.52%  | 0.205% |
| 369 | 21.244 | 21.216 | 21.302 | VV  | 122161                             | 6144245 | 20.21% | 0.551% |
| 370 | 21.312 | 21.302 | 21.351 | VV  | 122038                             | 3308296 | 10.88% | 0.297% |
| 371 | 21.363 | 21.351 | 21.406 | VV  | 115857                             | 3552303 | 11.68% | 0.318% |
| 372 | 21.414 | 21.406 | 21.427 | VV  | 102652                             | 1289577 | 4.24%  | 0.116% |
| 373 | 21.476 | 21.427 | 21.511 | VV  | 112010                             | 5208392 | 17.13% | 0.467% |
| 374 | 21.525 | 21.511 | 21.537 | VV  | 107760                             | 1629466 | 5.36%  | 0.146% |
| 375 | 21.570 | 21.537 | 21.585 | VV  | 108536                             | 3091893 | 10.17% | 0.277% |
| 376 | 21.613 | 21.585 | 21.665 | VV  | 112154                             | 5172120 | 17.01% | 0.464% |
| 377 | 21.674 | 21.665 | 21.689 | VV  | 106337                             | 1505427 | 4.95%  | 0.135% |
| 378 | 21.710 | 21.689 | 21.721 | VV  | 109395                             | 2019024 | 6.64%  | 0.181% |
| 379 | 21.728 | 21.721 | 21.746 | VV  | 108523                             | 1580373 | 5.20%  | 0.142% |
| 380 | 21.754 | 21.746 | 21.809 | VV  | 102990                             | 3575906 | 11.76% | 0.321% |
| 381 | 21.838 | 21.809 | 21.859 | VV  | 89747                              | 2629225 | 8.65%  | 0.236% |
| 382 | 21.866 | 21.859 | 21.889 | VV  | 91551                              | 1570714 | 5.17%  | 0.141% |
| 383 | 21.910 | 21.889 | 21.932 | VV  | 94669                              | 2393065 | 7.87%  | 0.214% |
| 384 | 21.993 | 21.932 | 22.051 | VBA | 163236                             | 8395364 | 27.61% | 0.752% |
|     |        |        |        |     | Sum of corrected areas: 1115724582 |         |        |        |

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