

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC051519AL\  
 Data File : FC041196.D  
 Signal(s) : FID1A.CH  
 Acq On : 15 May 2019 19:48  
 Sample : K2808-01DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 051519.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         | 3.475       | 3.422        | 3.537      | BV       | 218            | 5188         | 0.18%          | 0.012%        |
| 2         | 3.579       | 3.562        | 3.592      | VV       | 97             | 1217         | 0.04%          | 0.003%        |
| 3         | 3.599       | 3.592        | 3.634      | VV       | 82             | 1781         | 0.06%          | 0.004%        |
| 4         | 3.655       | 3.634        | 3.666      | VV       | 140            | 2013         | 0.07%          | 0.005%        |
| 5         | 3.671       | 3.666        | 3.716      | VV       | 358            | 3044         | 0.11%          | 0.007%        |
| 6         | 3.732       | 3.716        | 3.742      | VV       | 93             | 1200         | 0.04%          | 0.003%        |
| 7         | 3.771       | 3.759        | 3.789      | VV       | 150            | 1771         | 0.06%          | 0.004%        |
| 8         | 3.804       | 3.789        | 3.837      | PV       | 243            | 3179         | 0.11%          | 0.007%        |
| 9         | 3.857       | 3.837        | 3.965      | VV       | 368            | 9408         | 0.33%          | 0.022%        |
| 10        | 3.974       | 3.965        | 3.987      | VV       | 133            | 1025         | 0.04%          | 0.002%        |
| 11        | 4.000       | 3.987        | 4.054      | VV       | 264            | 4548         | 0.16%          | 0.010%        |
| 12        | 4.072       | 4.054        | 4.082      | VV       | 126            | 1383         | 0.05%          | 0.003%        |
| 13        | 4.127       | 4.082        | 4.142      | VV       | 458            | 6678         | 0.23%          | 0.015%        |
| 14        | 4.153       | 4.142        | 4.204      | VV       | 313            | 6489         | 0.23%          | 0.015%        |
| 15        | 4.212       | 4.204        | 4.230      | VV       | 177            | 1631         | 0.06%          | 0.004%        |
| 16        | 4.239       | 4.230        | 4.256      | VV       | 161            | 1693         | 0.06%          | 0.004%        |
| 17        | 4.286       | 4.256        | 4.306      | VV       | 238            | 4775         | 0.17%          | 0.011%        |
| 18        | 4.312       | 4.306        | 4.334      | VV       | 262            | 3583         | 0.13%          | 0.008%        |
| 19        | 4.342       | 4.334        | 4.390      | VV       | 311            | 5511         | 0.19%          | 0.013%        |
| 20        | 4.412       | 4.390        | 4.439      | VV       | 165            | 3800         | 0.13%          | 0.009%        |
| 21        | 4.447       | 4.439        | 4.481      | VV       | 233            | 4197         | 0.15%          | 0.010%        |
| 22        | 4.501       | 4.481        | 4.534      | VV       | 195            | 4730         | 0.17%          | 0.011%        |
| 23        | 4.564       | 4.534        | 4.614      | VV       | 289            | 7317         | 0.26%          | 0.017%        |
| 24        | 4.622       | 4.614        | 4.675      | VV       | 212            | 4771         | 0.17%          | 0.011%        |
| 25        | 4.695       | 4.675        | 4.739      | VV       | 414            | 7601         | 0.27%          | 0.018%        |
| 26        | 4.769       | 4.739        | 4.796      | VV       | 399            | 7599         | 0.27%          | 0.018%        |
| 27        | 4.803       | 4.796        | 4.816      | VV       | 244            | 2291         | 0.08%          | 0.005%        |
| 28        | 4.835       | 4.816        | 4.867      | VV       | 473            | 6686         | 0.23%          | 0.015%        |
| 29        | 4.901       | 4.867        | 4.917      | VV       | 286            | 5253         | 0.18%          | 0.012%        |
| 30        | 4.934       | 4.917        | 4.961      | VV       | 628            | 7856         | 0.28%          | 0.018%        |
| 31        | 4.968       | 4.961        | 4.977      | VV       | 158            | 1061         | 0.04%          | 0.002%        |
| 32        | 4.988       | 4.977        | 5.009      | VV       | 157            | 2924         | 0.10%          | 0.007%        |
| 33        | 5.035       | 5.009        | 5.068      | VV       | 236            | 5438         | 0.19%          | 0.013%        |
| 34        | 5.103       | 5.068        | 5.112      | VV       | 181            | 2957         | 0.10%          | 0.007%        |
| 35        | 5.134       | 5.112        | 5.167      | VV       | 571            | 8554         | 0.30%          | 0.020%        |
| 36        | 5.182       | 5.167        | 5.206      | VV       | 259            | 4664         | 0.16%          | 0.011%        |

|    |       |       |       |    | rt   | er    |       |        |
|----|-------|-------|-------|----|------|-------|-------|--------|
| 37 | 5.235 | 5.206 | 5.254 | VV | 501  | 7081  | 0.25% | 0.016% |
| 38 | 5.286 | 5.254 | 5.317 | VV | 215  | 4259  | 0.15% | 0.010% |
| 39 | 5.335 | 5.317 | 5.340 | PV | 104  | 1184  | 0.04% | 0.003% |
| 40 | 5.365 | 5.340 | 5.382 | VV | 391  | 5518  | 0.19% | 0.013% |
| 41 | 5.400 | 5.382 | 5.434 | VV | 499  | 6519  | 0.23% | 0.015% |
| 42 | 5.465 | 5.434 | 5.475 | VV | 148  | 3103  | 0.11% | 0.007% |
| 43 | 5.486 | 5.475 | 5.522 | VV | 197  | 2667  | 0.09% | 0.006% |
| 44 | 5.537 | 5.522 | 5.559 | VV | 136  | 2065  | 0.07% | 0.005% |
| 45 | 5.588 | 5.559 | 5.604 | VV | 241  | 3863  | 0.14% | 0.009% |
| 46 | 5.624 | 5.604 | 5.661 | VV | 253  | 4837  | 0.17% | 0.011% |
| 47 | 5.693 | 5.661 | 5.722 | VV | 193  | 4435  | 0.16% | 0.010% |
| 48 | 5.739 | 5.722 | 5.756 | VV | 135  | 1797  | 0.06% | 0.004% |
| 49 | 5.772 | 5.756 | 5.799 | VV | 270  | 4081  | 0.14% | 0.009% |
| 50 | 5.865 | 5.799 | 5.906 | VV | 303  | 10383 | 0.36% | 0.024% |
| 51 | 5.924 | 5.906 | 5.942 | VV | 203  | 2672  | 0.09% | 0.006% |
| 52 | 5.952 | 5.942 | 5.974 | VV | 205  | 1776  | 0.06% | 0.004% |
| 53 | 5.982 | 5.974 | 5.994 | VV | 116  | 1092  | 0.04% | 0.003% |
| 54 | 6.014 | 5.994 | 6.034 | VV | 131  | 2313  | 0.08% | 0.005% |
| 55 | 6.098 | 6.034 | 6.114 | VV | 218  | 6569  | 0.23% | 0.015% |
| 56 | 6.139 | 6.114 | 6.171 | VV | 1714 | 19798 | 0.69% | 0.046% |
| 57 | 6.187 | 6.171 | 6.203 | VV | 218  | 2987  | 0.10% | 0.007% |
| 58 | 6.213 | 6.203 | 6.235 | VV | 191  | 2900  | 0.10% | 0.007% |
| 59 | 6.243 | 6.235 | 6.254 | VV | 219  | 2043  | 0.07% | 0.005% |
| 60 | 6.269 | 6.254 | 6.295 | VV | 386  | 6599  | 0.23% | 0.015% |
| 61 | 6.310 | 6.295 | 6.344 | VV | 175  | 4387  | 0.15% | 0.010% |
| 62 | 6.353 | 6.344 | 6.380 | VV | 209  | 3162  | 0.11% | 0.007% |
| 63 | 6.404 | 6.380 | 6.466 | VV | 756  | 13991 | 0.49% | 0.032% |
| 64 | 6.483 | 6.466 | 6.527 | VV | 215  | 5290  | 0.19% | 0.012% |
| 65 | 6.574 | 6.527 | 6.620 | VV | 460  | 11695 | 0.41% | 0.027% |
| 66 | 6.631 | 6.620 | 6.657 | VV | 174  | 1990  | 0.07% | 0.005% |
| 67 | 6.682 | 6.657 | 6.734 | VV | 342  | 5578  | 0.20% | 0.013% |
| 68 | 6.770 | 6.734 | 6.801 | VV | 580  | 7181  | 0.25% | 0.017% |
| 69 | 6.846 | 6.801 | 6.867 | VV | 514  | 6439  | 0.23% | 0.015% |
| 70 | 6.885 | 6.867 | 6.934 | PV | 1002 | 11459 | 0.40% | 0.026% |
| 71 | 6.965 | 6.934 | 6.982 | PV | 289  | 4769  | 0.17% | 0.011% |
| 72 | 7.004 | 6.982 | 7.020 | VV | 251  | 3212  | 0.11% | 0.007% |
| 73 | 7.032 | 7.020 | 7.074 | VV | 208  | 3792  | 0.13% | 0.009% |
| 74 | 7.093 | 7.074 | 7.111 | VV | 257  | 4032  | 0.14% | 0.009% |
| 75 | 7.126 | 7.111 | 7.152 | VV | 322  | 4672  | 0.16% | 0.011% |
| 76 | 7.190 | 7.152 | 7.211 | VV | 1153 | 13562 | 0.48% | 0.031% |
| 77 | 7.215 | 7.211 | 7.231 | VV | 248  | 2730  | 0.10% | 0.006% |
| 78 | 7.245 | 7.231 | 7.304 | VV | 1045 | 16402 | 0.58% | 0.038% |
| 79 | 7.325 | 7.304 | 7.365 | VV | 3721 | 40373 | 1.42% | 0.093% |
| 80 | 7.376 | 7.365 | 7.387 | VV | 300  | 2947  | 0.10% | 0.007% |
| 81 | 7.398 | 7.387 | 7.416 | VV | 378  | 4153  | 0.15% | 0.010% |
| 82 | 7.425 | 7.416 | 7.459 | VV | 341  | 5548  | 0.19% | 0.013% |
| 83 | 7.478 | 7.459 | 7.497 | VV | 278  | 4795  | 0.17% | 0.011% |
| 84 | 7.519 | 7.497 | 7.539 | VV | 752  | 9530  | 0.33% | 0.022% |
| 85 | 7.544 | 7.539 | 7.602 | VV | 256  | 5876  | 0.21% | 0.014% |
| 86 | 7.618 | 7.602 | 7.647 | VV | 207  | 2928  | 0.10% | 0.007% |
| 87 | 7.664 | 7.647 | 7.681 | PV | 202  | 2571  | 0.09% | 0.006% |
| 88 | 7.696 | 7.681 | 7.756 | VV | 209  | 5444  | 0.19% | 0.013% |
| 89 | 7.909 | 7.839 | 7.984 | VV | 5979 | 94704 | 3.32% | 0.219% |

|     |        |        |        |    |        |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
|     |        |        |        |    | rteres |        |        |        |
| 90  | 8.010  | 7.984  | 8.027  | VV | 246    | 4990   | 0.17%  | 0.012% |
| 91  | 8.068  | 8.027  | 8.124  | VV | 1820   | 37813  | 1.33%  | 0.087% |
| 92  | 8.178  | 8.124  | 8.214  | VV | 6745   | 112890 | 3.96%  | 0.261% |
| 93  | 8.235  | 8.214  | 8.259  | VV | 1761   | 20877  | 0.73%  | 0.048% |
| 94  | 8.282  | 8.259  | 8.301  | VV | 11004  | 115263 | 4.04%  | 0.266% |
| 95  | 8.310  | 8.301  | 8.328  | VV | 2245   | 24179  | 0.85%  | 0.056% |
| 96  | 8.341  | 8.328  | 8.372  | VV | 947    | 13807  | 0.48%  | 0.032% |
| 97  | 8.406  | 8.372  | 8.424  | VV | 12205  | 142851 | 5.01%  | 0.330% |
| 98  | 8.444  | 8.424  | 8.503  | VV | 4480   | 102481 | 3.59%  | 0.236% |
| 99  | 8.519  | 8.503  | 8.536  | VV | 460    | 4478   | 0.16%  | 0.010% |
| 100 | 8.556  | 8.536  | 8.588  | VV | 2723   | 32433  | 1.14%  | 0.075% |
| 101 | 8.602  | 8.588  | 8.619  | VV | 651    | 5885   | 0.21%  | 0.014% |
| 102 | 8.709  | 8.699  | 8.736  | VV | 735    | 8689   | 0.30%  | 0.020% |
| 103 | 8.762  | 8.736  | 8.786  | VV | 52662  | 508463 | 17.82% | 1.173% |
| 104 | 8.802  | 8.786  | 8.843  | VV | 6512   | 72014  | 2.52%  | 0.166% |
| 105 | 8.872  | 8.843  | 8.911  | VV | 3173   | 40245  | 1.41%  | 0.093% |
| 106 | 8.922  | 8.911  | 8.937  | VV | 425    | 4641   | 0.16%  | 0.011% |
| 107 | 8.949  | 8.937  | 8.964  | VV | 319    | 4273   | 0.15%  | 0.010% |
| 108 | 9.001  | 8.964  | 9.014  | VV | 8223   | 99817  | 3.50%  | 0.230% |
| 109 | 9.032  | 9.014  | 9.056  | VV | 36482  | 354108 | 12.41% | 0.817% |
| 110 | 9.069  | 9.056  | 9.102  | VV | 1546   | 22656  | 0.79%  | 0.052% |
| 111 | 9.123  | 9.102  | 9.140  | VV | 2042   | 23695  | 0.83%  | 0.055% |
| 112 | 9.166  | 9.140  | 9.187  | VV | 4500   | 55274  | 1.94%  | 0.128% |
| 113 | 9.208  | 9.187  | 9.259  | VV | 4691   | 56693  | 1.99%  | 0.131% |
| 114 | 9.273  | 9.259  | 9.286  | VV | 165    | 1766   | 0.06%  | 0.004% |
| 115 | 9.324  | 9.286  | 9.339  | VV | 4979   | 75954  | 2.66%  | 0.175% |
| 116 | 9.354  | 9.339  | 9.381  | VV | 5399   | 60526  | 2.12%  | 0.140% |
| 117 | 9.399  | 9.381  | 9.417  | VV | 713    | 11137  | 0.39%  | 0.026% |
| 118 | 9.459  | 9.417  | 9.482  | VV | 4104   | 61084  | 2.14%  | 0.141% |
| 119 | 9.498  | 9.482  | 9.509  | VV | 766    | 9006   | 0.32%  | 0.021% |
| 120 | 9.543  | 9.509  | 9.594  | VV | 77009  | 794699 | 27.86% | 1.834% |
| 121 | 9.623  | 9.594  | 9.648  | VV | 3807   | 78024  | 2.74%  | 0.180% |
| 122 | 9.663  | 9.648  | 9.675  | VV | 6372   | 64695  | 2.27%  | 0.149% |
| 123 | 9.694  | 9.675  | 9.734  | VV | 15088  | 236238 | 8.28%  | 0.545% |
| 124 | 9.754  | 9.734  | 9.790  | VV | 10062  | 122639 | 4.30%  | 0.283% |
| 125 | 9.816  | 9.790  | 9.839  | VV | 1097   | 19854  | 0.70%  | 0.046% |
| 126 | 9.862  | 9.839  | 9.888  | VV | 14122  | 157567 | 5.52%  | 0.364% |
| 127 | 9.909  | 9.888  | 9.925  | VV | 1496   | 24793  | 0.87%  | 0.057% |
| 128 | 9.962  | 9.925  | 10.002 | VV | 19774  | 259780 | 9.11%  | 0.599% |
| 129 | 10.024 | 10.002 | 10.042 | VV | 3396   | 39172  | 1.37%  | 0.090% |
| 130 | 10.058 | 10.042 | 10.076 | VV | 1484   | 18630  | 0.65%  | 0.043% |
| 131 | 10.132 | 10.076 | 10.185 | VV | 1440   | 37247  | 1.31%  | 0.086% |
| 132 | 10.226 | 10.185 | 10.264 | PV | 7693   | 91397  | 3.20%  | 0.211% |
| 133 | 10.282 | 10.264 | 10.293 | VV | 1713   | 17583  | 0.62%  | 0.041% |
| 134 | 10.304 | 10.293 | 10.319 | VV | 1482   | 15894  | 0.56%  | 0.037% |
| 135 | 10.337 | 10.319 | 10.372 | VV | 3815   | 52547  | 1.84%  | 0.121% |
| 136 | 10.421 | 10.372 | 10.443 | VV | 18243  | 252250 | 8.84%  | 0.582% |
| 137 | 10.461 | 10.443 | 10.494 | VV | 8939   | 102216 | 3.58%  | 0.236% |
| 138 | 10.538 | 10.494 | 10.575 | VV | 10324  | 175931 | 6.17%  | 0.406% |
| 139 | 10.591 | 10.575 | 10.604 | VV | 4111   | 55034  | 1.93%  | 0.127% |
| 140 | 10.612 | 10.604 | 10.649 | VV | 3275   | 55804  | 1.96%  | 0.129% |
| 141 | 10.675 | 10.649 | 10.687 | VV | 3152   | 46491  | 1.63%  | 0.107% |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 142 | 10.707 | 10.687 | 10.720 | VV | 7351   | 91285   | 3.20%   | 0.211% |
| 143 | 10.744 | 10.720 | 10.761 | VV | 17565  | 256633  | 9.00%   | 0.592% |
| 144 | 10.772 | 10.761 | 10.792 | VV | 9430   | 103076  | 3.61%   | 0.238% |
| 145 | 10.839 | 10.792 | 10.854 | VV | 6524   | 122151  | 4.28%   | 0.282% |
|     |        |        |        |    |        |         |         |        |
| 146 | 10.865 | 10.854 | 10.894 | VV | 4303   | 60458   | 2.12%   | 0.140% |
| 147 | 10.909 | 10.894 | 10.916 | VV | 3503   | 32669   | 1.15%   | 0.075% |
| 148 | 10.944 | 10.916 | 10.985 | VV | 271384 | 2852575 | 100.00% | 6.583% |
| 149 | 11.016 | 10.985 | 11.086 | VV | 64916  | 761369  | 26.69%  | 1.757% |
| 150 | 11.117 | 11.086 | 11.138 | VV | 2145   | 43197   | 1.51%   | 0.100% |
|     |        |        |        |    |        |         |         |        |
| 151 | 11.155 | 11.138 | 11.172 | VV | 1979   | 27397   | 0.96%   | 0.063% |
| 152 | 11.184 | 11.172 | 11.198 | VV | 1449   | 16328   | 0.57%   | 0.038% |
| 153 | 11.223 | 11.198 | 11.269 | VV | 9929   | 151314  | 5.30%   | 0.349% |
| 154 | 11.299 | 11.269 | 11.317 | VV | 2972   | 51943   | 1.82%   | 0.120% |
| 155 | 11.336 | 11.317 | 11.354 | VV | 3328   | 50179   | 1.76%   | 0.116% |
|     |        |        |        |    |        |         |         |        |
| 156 | 11.372 | 11.354 | 11.392 | VV | 2865   | 44567   | 1.56%   | 0.103% |
| 157 | 11.405 | 11.392 | 11.417 | VV | 1898   | 23429   | 0.82%   | 0.054% |
| 158 | 11.468 | 11.417 | 11.507 | VV | 5938   | 147578  | 5.17%   | 0.341% |
| 159 | 11.534 | 11.507 | 11.558 | VV | 4898   | 65156   | 2.28%   | 0.150% |
| 160 | 11.590 | 11.558 | 11.616 | VV | 5005   | 78543   | 2.75%   | 0.181% |
|     |        |        |        |    |        |         |         |        |
| 161 | 11.630 | 11.616 | 11.647 | VV | 1095   | 16180   | 0.57%   | 0.037% |
| 162 | 11.702 | 11.647 | 11.724 | VV | 130497 | 1439238 | 50.45%  | 3.321% |
| 163 | 11.742 | 11.724 | 11.756 | VV | 30080  | 322730  | 11.31%  | 0.745% |
| 164 | 11.772 | 11.756 | 11.809 | VV | 41391  | 445940  | 15.63%  | 1.029% |
| 165 | 11.858 | 11.809 | 11.876 | VV | 38121  | 661138  | 23.18%  | 1.526% |
|     |        |        |        |    |        |         |         |        |
| 166 | 11.890 | 11.876 | 11.903 | VV | 16354  | 188657  | 6.61%   | 0.435% |
| 167 | 11.920 | 11.903 | 11.944 | VV | 25755  | 311312  | 10.91%  | 0.718% |
| 168 | 11.958 | 11.944 | 11.974 | VV | 2588   | 28089   | 0.98%   | 0.065% |
| 169 | 11.992 | 11.974 | 12.013 | VV | 4276   | 56250   | 1.97%   | 0.130% |
| 170 | 12.039 | 12.013 | 12.081 | VV | 1633   | 45853   | 1.61%   | 0.106% |
|     |        |        |        |    |        |         |         |        |
| 171 | 12.098 | 12.081 | 12.115 | VV | 1625   | 25755   | 0.90%   | 0.059% |
| 172 | 12.129 | 12.115 | 12.142 | VV | 1697   | 22872   | 0.80%   | 0.053% |
| 173 | 12.153 | 12.142 | 12.183 | VV | 1473   | 32248   | 1.13%   | 0.074% |
| 174 | 12.209 | 12.183 | 12.232 | VV | 19967  | 231869  | 8.13%   | 0.535% |
| 175 | 12.239 | 12.232 | 12.255 | VV | 1983   | 22608   | 0.79%   | 0.052% |
|     |        |        |        |    |        |         |         |        |
| 176 | 12.267 | 12.255 | 12.291 | VV | 1546   | 23670   | 0.83%   | 0.055% |
| 177 | 12.316 | 12.291 | 12.332 | VV | 998    | 21384   | 0.75%   | 0.049% |
| 178 | 12.356 | 12.332 | 12.374 | VV | 2936   | 39019   | 1.37%   | 0.090% |
| 179 | 12.389 | 12.374 | 12.425 | VV | 1427   | 28819   | 1.01%   | 0.067% |
| 180 | 12.461 | 12.425 | 12.472 | VV | 4380   | 62771   | 2.20%   | 0.145% |
|     |        |        |        |    |        |         |         |        |
| 181 | 12.481 | 12.472 | 12.507 | VV | 4083   | 51912   | 1.82%   | 0.120% |
| 182 | 12.529 | 12.507 | 12.567 | VV | 8550   | 154216  | 5.41%   | 0.356% |
| 183 | 12.606 | 12.567 | 12.620 | VV | 5988   | 106763  | 3.74%   | 0.246% |
| 184 | 12.640 | 12.620 | 12.658 | VV | 13984  | 177100  | 6.21%   | 0.409% |
| 185 | 12.676 | 12.658 | 12.686 | VV | 7859   | 112436  | 3.94%   | 0.259% |
|     |        |        |        |    |        |         |         |        |
| 186 | 12.698 | 12.686 | 12.720 | VV | 8373   | 123060  | 4.31%   | 0.284% |
| 187 | 12.759 | 12.720 | 12.793 | VV | 236460 | 2602070 | 91.22%  | 6.005% |
| 188 | 12.816 | 12.793 | 12.834 | VV | 2271   | 29797   | 1.04%   | 0.069% |
| 189 | 12.882 | 12.834 | 12.890 | PV | 2081   | 41312   | 1.45%   | 0.095% |
| 190 | 12.912 | 12.890 | 12.931 | VV | 6835   | 110866  | 3.89%   | 0.256% |
|     |        |        |        |    |        |         |         |        |
| 191 | 12.943 | 12.931 | 12.957 | VV | 7355   | 92172   | 3.23%   | 0.213% |
| 192 | 12.966 | 12.957 | 13.006 | VV | 5408   | 97837   | 3.43%   | 0.226% |
| 193 | 13.018 | 13.006 | 13.029 | VV | 1978   | 22130   | 0.78%   | 0.051% |
| 194 | 13.056 | 13.029 | 13.086 | VV | 161810 | 1766116 | 61.91%  | 4.076% |

| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 195    | 13.130 | 13.086 | 13.177 | VV | 98393 | 1655367 | 58.03% | 3.820% |
| 196    | 13.191 | 13.177 | 13.204 | VV | 1706  | 22265   | 0.78%  | 0.051% |
| 197    | 13.225 | 13.204 | 13.236 | VV | 9412  | 103389  | 3.62%  | 0.239% |
| 198    | 13.252 | 13.236 | 13.277 | VV | 18482 | 216037  | 7.57%  | 0.499% |
| 199    | 13.318 | 13.277 | 13.352 | VV | 13242 | 181927  | 6.38%  | 0.420% |
| 200    | 13.389 | 13.352 | 13.410 | VV | 5190  | 89929   | 3.15%  | 0.208% |
| 201    | 13.449 | 13.410 | 13.469 | VV | 7320  | 110024  | 3.86%  | 0.254% |
| 202    | 13.477 | 13.469 | 13.486 | VV | 2085  | 20117   | 0.71%  | 0.046% |
| 203    | 13.511 | 13.486 | 13.537 | VV | 15766 | 227375  | 7.97%  | 0.525% |
| 204    | 13.551 | 13.537 | 13.575 | VV | 1880  | 23424   | 0.82%  | 0.054% |
| 205    | 13.641 | 13.575 | 13.681 | PV | 61418 | 916480  | 32.13% | 2.115% |
| 206    | 13.706 | 13.681 | 13.720 | VV | 3810  | 56420   | 1.98%  | 0.130% |
| 207    | 13.747 | 13.720 | 13.771 | VV | 50034 | 642026  | 22.51% | 1.482% |
| 208    | 13.789 | 13.771 | 13.817 | VV | 16971 | 239190  | 8.39%  | 0.552% |
| 209    | 13.831 | 13.817 | 13.852 | VV | 7678  | 104206  | 3.65%  | 0.240% |
| 210    | 13.918 | 13.852 | 13.940 | VV | 14946 | 380272  | 13.33% | 0.878% |
| 211    | 13.959 | 13.940 | 13.993 | VV | 13616 | 179091  | 6.28%  | 0.413% |
| 212    | 14.032 | 13.993 | 14.051 | VV | 2876  | 64504   | 2.26%  | 0.149% |
| 213    | 14.065 | 14.051 | 14.102 | VV | 2509  | 59641   | 2.09%  | 0.138% |
| 214    | 14.124 | 14.102 | 14.157 | VV | 4209  | 86923   | 3.05%  | 0.201% |
| 215    | 14.166 | 14.157 | 14.184 | VV | 2175  | 26054   | 0.91%  | 0.060% |
| 216    | 14.214 | 14.184 | 14.257 | VV | 4747  | 87029   | 3.05%  | 0.201% |
| 217    | 14.279 | 14.257 | 14.289 | PV | 1049  | 12188   | 0.43%  | 0.028% |
| 218    | 14.332 | 14.289 | 14.362 | VV | 11434 | 302278  | 10.60% | 0.698% |
| 219    | 14.373 | 14.362 | 14.403 | VV | 5107  | 79982   | 2.80%  | 0.185% |
| 220    | 14.441 | 14.403 | 14.462 | VV | 9030  | 182973  | 6.41%  | 0.422% |
| 221    | 14.475 | 14.462 | 14.525 | VV | 7709  | 171166  | 6.00%  | 0.395% |
| 222    | 14.553 | 14.525 | 14.596 | VV | 16046 | 265612  | 9.31%  | 0.613% |
| 223    | 14.616 | 14.596 | 14.637 | VV | 17737 | 235475  | 8.25%  | 0.543% |
| 224    | 14.656 | 14.637 | 14.707 | VV | 7506  | 160243  | 5.62%  | 0.370% |
| 225    | 14.738 | 14.707 | 14.762 | VV | 6000  | 91626   | 3.21%  | 0.211% |
| 226    | 14.799 | 14.762 | 14.837 | VV | 5297  | 121001  | 4.24%  | 0.279% |
| 227    | 14.876 | 14.837 | 14.895 | VV | 5957  | 91875   | 3.22%  | 0.212% |
| 228    | 14.925 | 14.895 | 14.947 | VV | 87878 | 1050435 | 36.82% | 2.424% |
| 229    | 14.968 | 14.947 | 14.998 | VV | 79090 | 990155  | 34.71% | 2.285% |
| 230    | 15.012 | 14.998 | 15.052 | VV | 2321  | 47189   | 1.65%  | 0.109% |
| 231    | 15.090 | 15.052 | 15.139 | VV | 11312 | 232749  | 8.16%  | 0.537% |
| 232    | 15.161 | 15.139 | 15.196 | VV | 9039  | 129075  | 4.52%  | 0.298% |
| 233    | 15.222 | 15.196 | 15.251 | VV | 10744 | 167585  | 5.87%  | 0.387% |
| 234    | 15.267 | 15.251 | 15.321 | VV | 5676  | 127577  | 4.47%  | 0.294% |
| 235    | 15.365 | 15.321 | 15.449 | VV | 9803  | 306679  | 10.75% | 0.708% |
| 236    | 15.469 | 15.449 | 15.480 | VV | 2155  | 30722   | 1.08%  | 0.071% |
| 237    | 15.507 | 15.480 | 15.529 | VV | 2968  | 76651   | 2.69%  | 0.177% |
| 238    | 15.555 | 15.529 | 15.575 | VV | 6334  | 116694  | 4.09%  | 0.269% |
| 239    | 15.598 | 15.575 | 15.618 | VV | 21535 | 277255  | 9.72%  | 0.640% |
| 240    | 15.635 | 15.618 | 15.659 | VV | 12214 | 168487  | 5.91%  | 0.389% |
| 241    | 15.681 | 15.659 | 15.718 | VV | 5300  | 126303  | 4.43%  | 0.291% |
| 242    | 15.759 | 15.718 | 15.792 | VV | 12501 | 299042  | 10.48% | 0.690% |
| 243    | 15.834 | 15.792 | 15.861 | VV | 5153  | 103372  | 3.62%  | 0.239% |
| 244    | 15.873 | 15.861 | 15.894 | VV | 1277  | 19970   | 0.70%  | 0.046% |
| 245    | 15.918 | 15.894 | 15.939 | VV | 4138  | 54200   | 1.90%  | 0.125% |
| 246    | 15.950 | 15.939 | 15.969 | VV | 1181  | 13081   | 0.46%  | 0.030% |

|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 247 | 15.995 | 15.969 | 16.017 | PV | 2354   | 38226  | 1.34%  | 0.088% |
| 248 | 16.022 | 16.017 | 16.073 | VV | 1152   | 15368  | 0.54%  | 0.035% |
| 249 | 16.095 | 16.073 | 16.111 | VV | 1321   | 16817  | 0.59%  | 0.039% |
| 250 | 16.123 | 16.111 | 16.144 | VV | 1210   | 14685  | 0.51%  | 0.034% |
| 251 | 16.191 | 16.144 | 16.217 | VV | 2878   | 56196  | 1.97%  | 0.130% |
| 252 | 16.232 | 16.217 | 16.247 | VV | 1844   | 20408  | 0.72%  | 0.047% |
| 253 | 16.266 | 16.247 | 16.285 | VV | 3370   | 47705  | 1.67%  | 0.110% |
| 254 | 16.300 | 16.285 | 16.331 | VV | 2170   | 36866  | 1.29%  | 0.085% |
| 255 | 16.388 | 16.331 | 16.432 | VV | 4126   | 118441 | 4.15%  | 0.273% |
| 256 | 16.481 | 16.432 | 16.499 | VV | 57148  | 806848 | 28.28% | 1.862% |
| 257 | 16.509 | 16.499 | 16.549 | VV | 23031  | 263863 | 9.25%  | 0.609% |
| 258 | 16.558 | 16.549 | 16.583 | VV | 722    | 8991   | 0.32%  | 0.021% |
| 259 | 16.612 | 16.583 | 16.632 | PV | 7567   | 89090  | 3.12%  | 0.206% |
| 260 | 16.648 | 16.632 | 16.661 | VV | 2007   | 21864  | 0.77%  | 0.050% |
| 261 | 16.673 | 16.661 | 16.713 | VV | 1402   | 25480  | 0.89%  | 0.059% |
| 262 | 16.733 | 16.713 | 16.746 | VV | 1724   | 19050  | 0.67%  | 0.044% |
| 263 | 16.803 | 16.746 | 16.830 | VV | 30273  | 432994 | 15.18% | 0.999% |
| 264 | 16.860 | 16.830 | 16.906 | VV | 38908  | 478214 | 16.76% | 1.104% |
| 265 | 16.960 | 16.906 | 16.979 | VV | 7890   | 149216 | 5.23%  | 0.344% |
| 266 | 16.996 | 16.979 | 17.046 | VV | 5073   | 97288  | 3.41%  | 0.225% |
| 267 | 17.102 | 17.046 | 17.144 | VV | 5062   | 153231 | 5.37%  | 0.354% |
| 268 | 17.163 | 17.144 | 17.184 | VV | 2394   | 33980  | 1.19%  | 0.078% |
| 269 | 17.224 | 17.184 | 17.300 | VV | 10062  | 319825 | 11.21% | 0.738% |
| 270 | 17.322 | 17.300 | 17.336 | PV | 2017   | 24256  | 0.85%  | 0.056% |
| 271 | 17.361 | 17.336 | 17.371 | VV | 4951   | 68863  | 2.41%  | 0.159% |
| 272 | 17.388 | 17.371 | 17.422 | VV | 7448   | 122319 | 4.29%  | 0.282% |
| 273 | 17.443 | 17.422 | 17.461 | VV | 3423   | 50861  | 1.78%  | 0.117% |
| 274 | 17.473 | 17.461 | 17.494 | VV | 2378   | 34893  | 1.22%  | 0.081% |
| 275 | 17.519 | 17.494 | 17.543 | VV | 3292   | 61328  | 2.15%  | 0.142% |
| 276 | 17.557 | 17.543 | 17.596 | VV | 1892   | 37960  | 1.33%  | 0.088% |
| 277 | 17.617 | 17.596 | 17.648 | VV | 1541   | 29198  | 1.02%  | 0.067% |
| 278 | 17.671 | 17.648 | 17.682 | PV | 788    | 11246  | 0.39%  | 0.026% |
| 279 | 17.698 | 17.682 | 17.717 | VV | 1138   | 17229  | 0.60%  | 0.040% |
| 280 | 17.731 | 17.717 | 17.752 | VV | 789    | 9887   | 0.35%  | 0.023% |
| 281 | 17.826 | 17.752 | 17.880 | VV | 6306   | 164096 | 5.75%  | 0.379% |
| 282 | 17.916 | 17.880 | 17.932 | VV | 1968   | 40475  | 1.42%  | 0.093% |
| 283 | 17.950 | 17.932 | 17.970 | VV | 2121   | 32100  | 1.13%  | 0.074% |
| 284 | 18.016 | 17.970 | 18.051 | VV | 2350   | 72452  | 2.54%  | 0.167% |
| 285 | 18.089 | 18.051 | 18.109 | VV | 915    | 22157  | 0.78%  | 0.051% |
| 286 | 18.136 | 18.109 | 18.174 | VV | 5263   | 92410  | 3.24%  | 0.213% |
| 287 | 18.226 | 18.174 | 18.239 | VV | 14615  | 260466 | 9.13%  | 0.601% |
| 288 | 18.248 | 18.239 | 18.293 | VV | 11458  | 218460 | 7.66%  | 0.504% |
| 289 | 18.306 | 18.293 | 18.328 | VV | 2660   | 43114  | 1.51%  | 0.099% |
| 290 | 18.357 | 18.328 | 18.372 | VV | 5837   | 87848  | 3.08%  | 0.203% |
| 291 | 18.387 | 18.372 | 18.447 | VV | 5349   | 91782  | 3.22%  | 0.212% |
| 292 | 18.480 | 18.447 | 18.524 | PV | 12872  | 179855 | 6.31%  | 0.415% |
| 293 | 18.558 | 18.524 | 18.576 | VV | 1735   | 41287  | 1.45%  | 0.095% |
| 294 | 18.610 | 18.576 | 18.635 | VV | 3860   | 73284  | 2.57%  | 0.169% |
| 295 | 18.660 | 18.635 | 18.694 | VV | 4213   | 71886  | 2.52%  | 0.166% |
| 296 | 18.705 | 18.694 | 18.729 | VV | 979    | 15438  | 0.54%  | 0.036% |
| 297 | 18.761 | 18.729 | 18.770 | VV | 1383   | 22254  | 0.78%  | 0.051% |
| 298 | 18.787 | 18.770 | 18.811 | VV | 1686   | 28970  | 1.02%  | 0.067% |
| 299 | 18.912 | 18.811 | 18.932 | VV | 2892   | 85293  | 2.99%  | 0.197% |

|     |        |        |        |                         |       |          |        |        |
|-----|--------|--------|--------|-------------------------|-------|----------|--------|--------|
|     |        |        |        |                         | rters |          |        |        |
| 300 | 18.946 | 18.932 | 18.971 | VV                      | 1153  | 23504    | 0.82%  | 0.054% |
| 301 | 18.993 | 18.971 | 19.007 | VV                      | 1897  | 29677    | 1.04%  | 0.068% |
| 302 | 19.052 | 19.007 | 19.102 | VV                      | 5129  | 148077   | 5.19%  | 0.342% |
| 303 | 19.118 | 19.102 | 19.130 | VV                      | 1197  | 18571    | 0.65%  | 0.043% |
| 304 | 19.158 | 19.130 | 19.186 | VV                      | 2001  | 51615    | 1.81%  | 0.119% |
| 305 | 19.202 | 19.186 | 19.231 | VV                      | 1557  | 32970    | 1.16%  | 0.076% |
| 306 | 19.269 | 19.231 | 19.285 | VV                      | 1021  | 30061    | 1.05%  | 0.069% |
| 307 | 19.362 | 19.285 | 19.382 | VV                      | 1242  | 58698    | 2.06%  | 0.135% |
| 308 | 19.441 | 19.382 | 19.470 | VV                      | 3294  | 87379    | 3.06%  | 0.202% |
| 309 | 19.515 | 19.470 | 19.532 | VV                      | 2411  | 65949    | 2.31%  | 0.152% |
| 310 | 19.560 | 19.532 | 19.599 | VV                      | 2093  | 71414    | 2.50%  | 0.165% |
| 311 | 19.633 | 19.599 | 19.664 | VV                      | 4829  | 114759   | 4.02%  | 0.265% |
| 312 | 19.702 | 19.664 | 19.742 | VV                      | 4356  | 154256   | 5.41%  | 0.356% |
| 313 | 19.753 | 19.742 | 19.769 | VV                      | 3132  | 45906    | 1.61%  | 0.106% |
| 314 | 19.816 | 19.769 | 19.859 | VV                      | 5022  | 189376   | 6.64%  | 0.437% |
| 315 | 19.918 | 19.859 | 19.941 | VV                      | 4074  | 166637   | 5.84%  | 0.385% |
| 316 | 20.013 | 19.941 | 20.047 | VV                      | 5901  | 277441   | 9.73%  | 0.640% |
| 317 | 20.081 | 20.047 | 20.099 | VV                      | 5220  | 152373   | 5.34%  | 0.352% |
| 318 | 20.181 | 20.099 | 20.202 | VV                      | 6820  | 344833   | 12.09% | 0.796% |
| 319 | 20.288 | 20.202 | 20.309 | VV                      | 6789  | 402096   | 14.10% | 0.928% |
| 320 | 20.353 | 20.309 | 20.375 | VV                      | 7306  | 272783   | 9.56%  | 0.629% |
| 321 | 20.543 | 20.375 | 20.609 | VV                      | 8412  | 1039270  | 36.43% | 2.398% |
| 322 | 20.642 | 20.609 | 20.769 | VV                      | 7292  | 631674   | 22.14% | 1.458% |
| 323 | 20.867 | 20.769 | 20.884 | VV                      | 5924  | 405768   | 14.22% | 0.936% |
| 324 | 20.893 | 20.884 | 20.904 | VV                      | 5682  | 68205    | 2.39%  | 0.157% |
| 325 | 20.931 | 20.904 | 21.014 | VV                      | 6022  | 337654   | 11.84% | 0.779% |
| 326 | 21.045 | 21.014 | 21.087 | VV                      | 4239  | 181074   | 6.35%  | 0.418% |
| 327 | 21.095 | 21.087 | 21.107 | VV                      | 3986  | 47104    | 1.65%  | 0.109% |
| 328 | 21.246 | 21.107 | 21.346 | VV                      | 3947  | 516327   | 18.10% | 1.192% |
| 329 | 21.372 | 21.346 | 21.402 | VV                      | 3014  | 97410    | 3.41%  | 0.225% |
| 330 | 21.417 | 21.402 | 21.427 | VV                      | 2618  | 38896    | 1.36%  | 0.090% |
| 331 | 21.445 | 21.427 | 21.455 | VV                      | 2516  | 41739    | 1.46%  | 0.096% |
| 332 | 21.528 | 21.455 | 21.551 | VV                      | 2639  | 141634   | 4.97%  | 0.327% |
| 333 | 21.608 | 21.551 | 21.827 | VV                      | 2495  | 234450   | 8.22%  | 0.541% |
| 334 | 21.882 | 21.827 | 21.955 | VV                      | 629   | 26133    | 0.92%  | 0.060% |
|     |        |        |        | Sum of corrected areas: |       | 43333441 |        |        |

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