

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE081525AL\  
 Data File : FE055329.D  
 Signal(s) : FID1B.ch  
 Acq On : 15 Aug 2025 15:53  
 Sample : Q2844-02DL 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 080125.M  
 Title : GC Extractables

Signal : FID1B.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         | 2.841       | 2.805        | 2.878      | BV       | 324            | 4549         | 0.01%          | 0.000%        |
| 2         | 2.924       | 2.878        | 2.988      | PV       | 144            | 4941         | 0.01%          | 0.000%        |
| 3         | 3.001       | 2.988        | 3.016      | VV       | 126            | 1684         | 0.00%          | 0.000%        |
| 4         | 3.055       | 3.016        | 3.099      | VV       | 361            | 8720         | 0.01%          | 0.000%        |
| 5         | 3.109       | 3.099        | 3.129      | VV       | 136            | 1603         | 0.00%          | 0.000%        |
| 6         | 3.155       | 3.129        | 3.202      | PV       | 227            | 6100         | 0.01%          | 0.000%        |
| 7         | 3.224       | 3.202        | 3.252      | VV       | 180            | 3277         | 0.00%          | 0.000%        |
| 8         | 3.278       | 3.252        | 3.298      | PV       | 207            | 3976         | 0.00%          | 0.000%        |
| 9         | 3.314       | 3.298        | 3.407      | VV       | 228            | 9188         | 0.01%          | 0.000%        |
| 10        | 3.417       | 3.407        | 3.431      | VV       | 131            | 1454         | 0.00%          | 0.000%        |
| 11        | 3.466       | 3.431        | 3.545      | VV       | 140            | 4630         | 0.01%          | 0.000%        |
| 12        | 3.570       | 3.545        | 3.583      | VV       | 179            | 3063         | 0.00%          | 0.000%        |
| 13        | 3.594       | 3.583        | 3.611      | VV       | 189            | 2034         | 0.00%          | 0.000%        |
| 14        | 3.659       | 3.611        | 3.718      | VV       | 234            | 9739         | 0.01%          | 0.000%        |
| 15        | 3.731       | 3.718        | 3.755      | VV       | 184            | 2742         | 0.00%          | 0.000%        |
| 16        | 3.779       | 3.755        | 3.838      | VV       | 8006           | 85796        | 0.10%          | 0.003%        |
| 17        | 3.867       | 3.838        | 3.876      | VV       | 302            | 4816         | 0.01%          | 0.000%        |
| 18        | 3.891       | 3.876        | 3.911      | VV       | 878            | 9638         | 0.01%          | 0.000%        |
| 19        | 3.933       | 3.911        | 3.975      | VV       | 908            | 11731        | 0.01%          | 0.000%        |
| 20        | 4.007       | 3.975        | 4.061      | VV       | 733            | 9939         | 0.01%          | 0.000%        |
| 21        | 4.111       | 4.061        | 4.175      | VV       | 149            | 4500         | 0.01%          | 0.000%        |
| 22        | 4.179       | 4.175        | 4.188      | VV       | 78             | 257          | 0.00%          | 0.000%        |
| 23        | 4.268       | 4.188        | 4.301      | PV       | 1499           | 27734        | 0.03%          | 0.001%        |
| 24        | 4.324       | 4.301        | 4.365      | VV       | 195            | 5154         | 0.01%          | 0.000%        |
| 25        | 4.404       | 4.365        | 4.431      | VV       | 444            | 8961         | 0.01%          | 0.000%        |
| 26        | 4.462       | 4.431        | 4.548      | VV       | 561            | 18158        | 0.02%          | 0.001%        |
| 27        | 4.562       | 4.548        | 4.598      | VV       | 205            | 5020         | 0.01%          | 0.000%        |
| 28        | 4.621       | 4.598        | 4.645      | VV       | 278            | 5280         | 0.01%          | 0.000%        |
| 29        | 4.652       | 4.645        | 4.661      | VV       | 135            | 1329         | 0.00%          | 0.000%        |
| 30        | 4.679       | 4.661        | 4.698      | VV       | 297            | 3827         | 0.00%          | 0.000%        |
| 31        | 4.720       | 4.698        | 4.741      | VV       | 375            | 6285         | 0.01%          | 0.000%        |
| 32        | 4.755       | 4.741        | 4.771      | VV       | 282            | 3707         | 0.00%          | 0.000%        |
| 33        | 4.791       | 4.771        | 4.821      | VV       | 379            | 4289         | 0.01%          | 0.000%        |
| 34        | 4.900       | 4.821        | 4.949      | PV       | 1999           | 32718        | 0.04%          | 0.001%        |
| 35        | 4.991       | 4.949        | 5.010      | VV       | 441            | 8840         | 0.01%          | 0.000%        |
| 36        | 5.096       | 5.010        | 5.116      | VV       | 503            | 16913        | 0.02%          | 0.001%        |

|    |       |       |       |    | rteres |         |       |        |
|----|-------|-------|-------|----|--------|---------|-------|--------|
| 37 | 5.143 | 5.116 | 5.167 | VV | 404    | 7857    | 0.01% | 0.000% |
| 38 | 5.196 | 5.167 | 5.218 | VV | 951    | 14430   | 0.02% | 0.001% |
| 39 | 5.230 | 5.218 | 5.247 | VV | 292    | 3819    | 0.00% | 0.000% |
| 40 | 5.260 | 5.247 | 5.288 | VV | 262    | 3430    | 0.00% | 0.000% |
|    |       |       |       |    |        |         |       |        |
| 41 | 5.298 | 5.288 | 5.311 | VV | 111    | 901     | 0.00% | 0.000% |
| 42 | 5.334 | 5.311 | 5.359 | PV | 1256   | 16205   | 0.02% | 0.001% |
| 43 | 5.387 | 5.359 | 5.418 | VV | 889    | 18053   | 0.02% | 0.001% |
| 44 | 5.438 | 5.418 | 5.453 | VV | 591    | 10678   | 0.01% | 0.000% |
| 45 | 5.470 | 5.453 | 5.488 | VV | 1473   | 15742   | 0.02% | 0.001% |
|    |       |       |       |    |        |         |       |        |
| 46 | 5.500 | 5.488 | 5.515 | VV | 621    | 7760    | 0.01% | 0.000% |
| 47 | 5.523 | 5.515 | 5.543 | VV | 426    | 4590    | 0.01% | 0.000% |
| 48 | 5.565 | 5.543 | 5.583 | PV | 562    | 6192    | 0.01% | 0.000% |
| 49 | 5.627 | 5.583 | 5.651 | PV | 709    | 14861   | 0.02% | 0.001% |
| 50 | 5.696 | 5.651 | 5.717 | VV | 2419   | 48162   | 0.06% | 0.002% |
|    |       |       |       |    |        |         |       |        |
| 51 | 5.762 | 5.717 | 5.779 | VV | 688    | 16298   | 0.02% | 0.001% |
| 52 | 5.819 | 5.779 | 5.828 | VV | 2453   | 27620   | 0.03% | 0.001% |
| 53 | 5.841 | 5.828 | 5.864 | VV | 3210   | 45054   | 0.05% | 0.002% |
| 54 | 5.877 | 5.864 | 5.919 | VV | 1753   | 26161   | 0.03% | 0.001% |
| 55 | 5.947 | 5.919 | 5.967 | VV | 608    | 11545   | 0.01% | 0.000% |
|    |       |       |       |    |        |         |       |        |
| 56 | 6.011 | 5.967 | 6.057 | VV | 4717   | 81033   | 0.09% | 0.003% |
| 57 | 6.116 | 6.057 | 6.155 | VV | 3577   | 89332   | 0.10% | 0.003% |
| 58 | 6.173 | 6.155 | 6.195 | VV | 2058   | 29005   | 0.03% | 0.001% |
| 59 | 6.214 | 6.195 | 6.275 | VV | 8270   | 143407  | 0.17% | 0.005% |
| 60 | 6.299 | 6.275 | 6.321 | VV | 2798   | 50812   | 0.06% | 0.002% |
|    |       |       |       |    |        |         |       |        |
| 61 | 6.361 | 6.321 | 6.382 | VV | 5516   | 116749  | 0.14% | 0.004% |
| 62 | 6.399 | 6.382 | 6.415 | VV | 3630   | 52378   | 0.06% | 0.002% |
| 63 | 6.448 | 6.415 | 6.477 | VV | 4756   | 122574  | 0.14% | 0.004% |
| 64 | 6.501 | 6.477 | 6.520 | VV | 5946   | 101886  | 0.12% | 0.004% |
| 65 | 6.546 | 6.520 | 6.567 | VV | 10189  | 181696  | 0.21% | 0.006% |
|    |       |       |       |    |        |         |       |        |
| 66 | 6.587 | 6.567 | 6.612 | VV | 8467   | 182284  | 0.21% | 0.007% |
| 67 | 6.628 | 6.612 | 6.642 | VV | 8491   | 114983  | 0.13% | 0.004% |
| 68 | 6.652 | 6.642 | 6.665 | VV | 6823   | 82649   | 0.10% | 0.003% |
| 69 | 6.682 | 6.665 | 6.701 | VV | 8213   | 127308  | 0.15% | 0.005% |
| 70 | 6.727 | 6.701 | 6.739 | VV | 5300   | 110670  | 0.13% | 0.004% |
|    |       |       |       |    |        |         |       |        |
| 71 | 6.785 | 6.739 | 6.818 | VV | 15807  | 453778  | 0.53% | 0.016% |
| 72 | 6.853 | 6.818 | 6.887 | VV | 11776  | 384502  | 0.45% | 0.014% |
| 73 | 6.908 | 6.887 | 6.928 | VV | 8361   | 177637  | 0.21% | 0.006% |
| 74 | 6.948 | 6.928 | 6.978 | VV | 11108  | 260977  | 0.31% | 0.009% |
| 75 | 7.008 | 6.978 | 7.026 | VV | 15161  | 344010  | 0.40% | 0.012% |
|    |       |       |       |    |        |         |       |        |
| 76 | 7.057 | 7.026 | 7.075 | VV | 16832  | 357339  | 0.42% | 0.013% |
| 77 | 7.085 | 7.075 | 7.095 | VV | 9887   | 111465  | 0.13% | 0.004% |
| 78 | 7.130 | 7.095 | 7.160 | VV | 17378  | 490264  | 0.57% | 0.018% |
| 79 | 7.199 | 7.160 | 7.217 | VV | 17725  | 480095  | 0.56% | 0.017% |
| 80 | 7.228 | 7.217 | 7.240 | VV | 14033  | 182161  | 0.21% | 0.007% |
|    |       |       |       |    |        |         |       |        |
| 81 | 7.269 | 7.240 | 7.293 | VV | 48336  | 783840  | 0.92% | 0.028% |
| 82 | 7.336 | 7.293 | 7.353 | VV | 22947  | 628629  | 0.73% | 0.022% |
| 83 | 7.391 | 7.353 | 7.411 | VV | 27633  | 819443  | 0.96% | 0.029% |
| 84 | 7.434 | 7.411 | 7.457 | VV | 34311  | 720919  | 0.84% | 0.026% |
| 85 | 7.504 | 7.457 | 7.521 | VV | 48923  | 1139722 | 1.33% | 0.041% |
|    |       |       |       |    |        |         |       |        |
| 86 | 7.532 | 7.521 | 7.561 | VV | 31259  | 654735  | 0.77% | 0.023% |
| 87 | 7.583 | 7.561 | 7.623 | VV | 38013  | 1159659 | 1.36% | 0.041% |
| 88 | 7.637 | 7.623 | 7.661 | VV | 31652  | 668390  | 0.78% | 0.024% |
| 89 | 7.683 | 7.661 | 7.700 | VV | 40053  | 781153  | 0.91% | 0.028% |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 90     | 7.716  | 7.700  | 7.743  | VV | 35123  | 827566   | 0.97%  | 0.030% |
| 91     | 7.789  | 7.743  | 7.835  | VV | 103312 | 3089892  | 3.61%  | 0.110% |
| 92     | 7.849  | 7.835  | 7.871  | VV | 58275  | 1076091  | 1.26%  | 0.038% |
| 93     | 7.876  | 7.871  | 7.911  | VV | 47569  | 1027563  | 1.20%  | 0.037% |
| 94     | 7.938  | 7.911  | 7.950  | VV | 43501  | 938895   | 1.10%  | 0.034% |
| 95     | 8.005  | 7.950  | 8.026  | VV | 93175  | 2999634  | 3.51%  | 0.107% |
| 96     | 8.039  | 8.026  | 8.056  | VV | 55771  | 908617   | 1.06%  | 0.032% |
| 97     | 8.198  | 8.166  | 8.218  | VV | 68261  | 1888393  | 2.21%  | 0.068% |
| 98     | 8.246  | 8.218  | 8.268  | VV | 114707 | 2603290  | 3.04%  | 0.093% |
| 99     | 8.294  | 8.268  | 8.314  | VV | 105876 | 2423150  | 2.83%  | 0.087% |
| 100    | 8.331  | 8.314  | 8.354  | VV | 100014 | 1970332  | 2.30%  | 0.070% |
| 101    | 8.389  | 8.354  | 8.407  | VV | 98349  | 2746837  | 3.21%  | 0.098% |
| 102    | 8.431  | 8.407  | 8.473  | VV | 174673 | 4781234  | 5.59%  | 0.171% |
| 103    | 8.505  | 8.473  | 8.526  | VV | 135211 | 3498584  | 4.09%  | 0.125% |
| 104    | 8.539  | 8.526  | 8.554  | VV | 111998 | 1780178  | 2.08%  | 0.064% |
| 105    | 8.579  | 8.554  | 8.594  | VV | 124819 | 2697260  | 3.15%  | 0.096% |
| 106    | 8.603  | 8.594  | 8.615  | VV | 117849 | 1425464  | 1.67%  | 0.051% |
| 107    | 8.624  | 8.615  | 8.635  | VV | 112398 | 1274177  | 1.49%  | 0.046% |
| 108    | 8.650  | 8.635  | 8.661  | VV | 122798 | 1839142  | 2.15%  | 0.066% |
| 109    | 8.685  | 8.661  | 8.725  | VV | 199584 | 5846709  | 6.83%  | 0.209% |
| 110    | 8.737  | 8.725  | 8.755  | VV | 149859 | 2441981  | 2.85%  | 0.087% |
| 111    | 8.781  | 8.755  | 8.792  | VV | 143597 | 3008125  | 3.52%  | 0.108% |
| 112    | 8.803  | 8.792  | 8.816  | VV | 149301 | 2078807  | 2.43%  | 0.074% |
| 113    | 8.865  | 8.816  | 8.902  | VV | 336410 | 9707623  | 11.35% | 0.347% |
| 114    | 8.923  | 8.902  | 8.942  | VV | 222554 | 4373588  | 5.11%  | 0.156% |
| 115    | 8.967  | 8.942  | 8.979  | VV | 185175 | 3951704  | 4.62%  | 0.141% |
| 116    | 9.062  | 9.037  | 9.074  | VV | 184499 | 3715850  | 4.34%  | 0.133% |
| 117    | 9.098  | 9.074  | 9.117  | VV | 269685 | 5557592  | 6.50%  | 0.199% |
| 118    | 9.165  | 9.117  | 9.186  | VV | 393642 | 10808946 | 12.64% | 0.386% |
| 119    | 9.206  | 9.186  | 9.215  | VV | 271118 | 4188023  | 4.90%  | 0.150% |
| 120    | 9.231  | 9.215  | 9.259  | VV | 379128 | 7428965  | 8.68%  | 0.266% |
| 121    | 9.276  | 9.259  | 9.293  | VV | 218825 | 4154647  | 4.86%  | 0.149% |
| 122    | 9.311  | 9.293  | 9.342  | VV | 288668 | 7437508  | 8.69%  | 0.266% |
| 123    | 9.355  | 9.342  | 9.378  | VV | 274088 | 5464907  | 6.39%  | 0.195% |
| 124    | 9.393  | 9.378  | 9.420  | VV | 259924 | 5967867  | 6.98%  | 0.213% |
| 125    | 9.454  | 9.420  | 9.490  | VV | 280802 | 10423088 | 12.18% | 0.373% |
| 126    | 9.527  | 9.490  | 9.561  | VV | 262248 | 10324730 | 12.07% | 0.369% |
| 127    | 9.576  | 9.561  | 9.588  | VV | 273629 | 4131022  | 4.83%  | 0.148% |
| 128    | 9.606  | 9.588  | 9.648  | VV | 296078 | 9540276  | 11.15% | 0.341% |
| 129    | 9.676  | 9.648  | 9.711  | VV | 271697 | 9661375  | 11.29% | 0.345% |
| 130    | 9.766  | 9.711  | 9.798  | VV | 331955 | 14652545 | 17.13% | 0.524% |
| 131    | 9.821  | 9.798  | 9.835  | VV | 338351 | 6835668  | 7.99%  | 0.244% |
| 132    | 9.851  | 9.835  | 9.871  | VV | 350357 | 7181725  | 8.40%  | 0.257% |
| 133    | 9.906  | 9.871  | 9.915  | VV | 367181 | 8735197  | 10.21% | 0.312% |
| 134    | 9.933  | 9.915  | 9.963  | VV | 501481 | 11061482 | 12.93% | 0.395% |
| 135    | 10.008 | 9.963  | 10.038 | VV | 403650 | 16067786 | 18.78% | 0.574% |
| 136    | 10.052 | 10.038 | 10.062 | VV | 347053 | 4776203  | 5.58%  | 0.171% |
| 137    | 10.104 | 10.062 | 10.123 | VV | 379452 | 13191745 | 15.42% | 0.472% |
| 138    | 10.152 | 10.123 | 10.172 | VV | 397419 | 10770844 | 12.59% | 0.385% |
| 139    | 10.193 | 10.172 | 10.213 | VV | 381839 | 9245248  | 10.81% | 0.330% |
| 140    | 10.232 | 10.213 | 10.246 | VV | 394777 | 7501857  | 8.77%  | 0.268% |
| 141    | 10.277 | 10.246 | 10.303 | VV | 424993 | 13771204 | 16.10% | 0.492% |

| rteres |        |        |        |    |         |          |         |        |
|--------|--------|--------|--------|----|---------|----------|---------|--------|
| 142    | 10.326 | 10.303 | 10.355 | VV | 430291  | 12642654 | 14.78%  | 0.452% |
| 143    | 10.366 | 10.355 | 10.385 | VV | 406320  | 7094380  | 8.29%   | 0.254% |
| 144    | 10.415 | 10.385 | 10.465 | VV | 435224  | 19670104 | 23.00%  | 0.703% |
| 145    | 10.496 | 10.465 | 10.509 | VV | 468754  | 11529184 | 13.48%  | 0.412% |
| 146    | 10.515 | 10.509 | 10.534 | VV | 451188  | 6591465  | 7.71%   | 0.236% |
| 147    | 10.595 | 10.534 | 10.612 | VV | 513855  | 22094461 | 25.83%  | 0.790% |
| 148    | 10.638 | 10.612 | 10.658 | VV | 519580  | 13951489 | 16.31%  | 0.499% |
| 149    | 10.714 | 10.658 | 10.737 | VV | 656025  | 27028285 | 31.60%  | 0.966% |
| 150    | 10.800 | 10.737 | 10.827 | VV | 619004  | 31450506 | 36.77%  | 1.124% |
| 151    | 10.864 | 10.827 | 10.889 | VV | 651829  | 22865523 | 26.73%  | 0.817% |
| 152    | 10.912 | 10.889 | 10.928 | VV | 627774  | 14244303 | 16.65%  | 0.509% |
| 153    | 10.974 | 10.928 | 11.025 | VV | 721272  | 38114788 | 44.56%  | 1.362% |
| 154    | 11.067 | 11.025 | 11.082 | VV | 812612  | 24980567 | 29.20%  | 0.893% |
| 155    | 11.096 | 11.082 | 11.107 | VV | 753289  | 11076407 | 12.95%  | 0.396% |
| 156    | 11.139 | 11.107 | 11.165 | VV | 946732  | 29386928 | 34.35%  | 1.050% |
| 157    | 11.185 | 11.165 | 11.224 | VV | 846400  | 28138344 | 32.89%  | 1.006% |
| 158    | 11.241 | 11.224 | 11.254 | VV | 797596  | 13936087 | 16.29%  | 0.498% |
| 159    | 11.278 | 11.254 | 11.291 | VV | 834522  | 18315776 | 21.41%  | 0.655% |
| 160    | 11.317 | 11.291 | 11.335 | VV | 913838  | 22457531 | 26.25%  | 0.803% |
| 161    | 11.350 | 11.335 | 11.381 | VV | 918609  | 24259350 | 28.36%  | 0.867% |
| 162    | 11.407 | 11.381 | 11.425 | VV | 932288  | 23294752 | 27.23%  | 0.833% |
| 163    | 11.461 | 11.425 | 11.476 | VV | 967915  | 28814208 | 33.68%  | 1.030% |
| 164    | 11.487 | 11.476 | 11.535 | VV | 968525  | 32908633 | 38.47%  | 1.176% |
| 165    | 11.563 | 11.535 | 11.598 | VV | 1030877 | 37568514 | 43.92%  | 1.343% |
| 166    | 11.616 | 11.598 | 11.652 | VV | 1024586 | 32569644 | 38.08%  | 1.164% |
| 167    | 11.672 | 11.652 | 11.691 | VV | 1037041 | 24180318 | 28.27%  | 0.864% |
| 168    | 11.727 | 11.691 | 11.758 | VV | 1099507 | 42478223 | 49.66%  | 1.518% |
| 169    | 11.776 | 11.758 | 11.795 | VV | 1200508 | 24545600 | 28.69%  | 0.877% |
| 170    | 11.834 | 11.795 | 11.845 | VV | 1050594 | 31463748 | 36.78%  | 1.125% |
| 171    | 11.870 | 11.845 | 11.899 | VV | 1381742 | 38612338 | 45.14%  | 1.380% |
| 172    | 11.911 | 11.899 | 11.925 | VV | 1077383 | 16067726 | 18.78%  | 0.574% |
| 173    | 11.941 | 11.925 | 11.959 | VV | 1089018 | 21626083 | 25.28%  | 0.773% |
| 174    | 11.978 | 11.959 | 12.001 | VV | 1070058 | 26426069 | 30.89%  | 0.945% |
| 175    | 12.020 | 12.001 | 12.038 | VV | 1101896 | 23911724 | 27.95%  | 0.855% |
| 176    | 12.049 | 12.038 | 12.055 | VV | 1070646 | 10542798 | 12.32%  | 0.377% |
| 177    | 12.100 | 12.055 | 12.130 | VV | 1213291 | 50724626 | 59.30%  | 1.813% |
| 178    | 12.155 | 12.130 | 12.171 | VV | 1121139 | 26939665 | 31.49%  | 0.963% |
| 179    | 12.179 | 12.171 | 12.207 | VV | 1118278 | 23297517 | 27.24%  | 0.833% |
| 180    | 12.259 | 12.207 | 12.278 | VV | 1197858 | 48215041 | 56.36%  | 1.723% |
| 181    | 12.298 | 12.278 | 12.321 | VV | 1179624 | 29352288 | 34.31%  | 1.049% |
| 182    | 12.331 | 12.321 | 12.355 | VV | 1141518 | 22841350 | 26.70%  | 0.816% |
| 183    | 12.363 | 12.355 | 12.385 | VV | 1110400 | 19779367 | 23.12%  | 0.707% |
| 184    | 12.451 | 12.385 | 12.511 | VV | 1234621 | 85540749 | 100.00% | 3.058% |
| 185    | 12.534 | 12.511 | 12.547 | VV | 1108532 | 23169945 | 27.09%  | 0.828% |
| 186    | 12.562 | 12.547 | 12.635 | VV | 1097438 | 56022095 | 65.49%  | 2.003% |
| 187    | 12.659 | 12.635 | 12.669 | VV | 1052162 | 21169299 | 24.75%  | 0.757% |
| 188    | 12.691 | 12.669 | 12.700 | VV | 1039462 | 19281784 | 22.54%  | 0.689% |
| 189    | 12.727 | 12.700 | 12.748 | VV | 1064271 | 29434285 | 34.41%  | 1.052% |
| 190    | 12.766 | 12.748 | 12.824 | VV | 1081119 | 47112634 | 55.08%  | 1.684% |
| 191    | 12.838 | 12.824 | 12.881 | VV | 1034034 | 34891670 | 40.79%  | 1.247% |
| 192    | 12.890 | 12.881 | 12.911 | VV | 1015195 | 17561467 | 20.53%  | 0.628% |
| 193    | 12.951 | 12.911 | 12.994 | VV | 1045781 | 49578056 | 57.96%  | 1.772% |
| 194    | 13.010 | 12.994 | 13.038 | VV | 986572  | 25281071 | 29.55%  | 0.904% |

| rteres |        |        |        |    |         |          |        |        |
|--------|--------|--------|--------|----|---------|----------|--------|--------|
| 195    | 13.065 | 13.038 | 13.077 | VV | 990247  | 22499224 | 26.30% | 0.804% |
| 196    | 13.093 | 13.077 | 13.135 | VV | 1099591 | 34145145 | 39.92% | 1.221% |
| 197    | 13.155 | 13.135 | 13.175 | VV | 980220  | 22744888 | 26.59% | 0.813% |
| 198    | 13.185 | 13.175 | 13.205 | VV | 964459  | 17382469 | 20.32% | 0.621% |
| 199    | 13.224 | 13.205 | 13.305 | VV | 960298  | 53077992 | 62.05% | 1.897% |
| 200    | 13.328 | 13.305 | 13.360 | VV | 869236  | 28164184 | 32.92% | 1.007% |
| 201    | 13.380 | 13.360 | 13.403 | VV | 868462  | 22021491 | 25.74% | 0.787% |
| 202    | 13.427 | 13.403 | 13.453 | VV | 870444  | 25504040 | 29.82% | 0.912% |
| 203    | 13.468 | 13.453 | 13.497 | VV | 848455  | 22104080 | 25.84% | 0.790% |
| 204    | 13.537 | 13.497 | 13.571 | VV | 894760  | 37670714 | 44.04% | 1.347% |
| 205    | 13.592 | 13.571 | 13.686 | VV | 859654  | 55205558 | 64.54% | 1.973% |
| 206    | 13.704 | 13.686 | 13.726 | VV | 841415  | 18797628 | 21.98% | 0.672% |
| 207    | 13.754 | 13.726 | 13.790 | VV | 941312  | 31411157 | 36.72% | 1.123% |
| 208    | 13.803 | 13.790 | 13.831 | VV | 760495  | 18351671 | 21.45% | 0.656% |
| 209    | 13.844 | 13.831 | 13.857 | VV | 722574  | 11236473 | 13.14% | 0.402% |
| 210    | 13.875 | 13.857 | 13.885 | VV | 719442  | 11863621 | 13.87% | 0.424% |
| 211    | 13.891 | 13.885 | 13.904 | VV | 726523  | 8053795  | 9.42%  | 0.288% |
| 212    | 13.934 | 13.904 | 13.995 | VV | 732535  | 38453703 | 44.95% | 1.375% |
| 213    | 14.019 | 13.995 | 14.075 | VV | 694400  | 31802437 | 37.18% | 1.137% |
| 214    | 14.093 | 14.075 | 14.109 | VV | 659125  | 13124675 | 15.34% | 0.469% |
| 215    | 14.128 | 14.109 | 14.177 | VV | 642582  | 25496159 | 29.81% | 0.911% |
| 216    | 14.199 | 14.177 | 14.231 | VV | 632599  | 20208955 | 23.62% | 0.722% |
| 217    | 14.244 | 14.231 | 14.264 | VV | 588283  | 11378713 | 13.30% | 0.407% |
| 218    | 14.286 | 14.264 | 14.371 | VV | 638972  | 36861749 | 43.09% | 1.318% |
| 219    | 14.380 | 14.371 | 14.400 | VV | 556250  | 9505982  | 11.11% | 0.340% |
| 220    | 14.424 | 14.400 | 14.488 | VV | 555043  | 27881823 | 32.59% | 0.997% |
| 221    | 14.522 | 14.488 | 14.551 | VV | 549384  | 19766761 | 23.11% | 0.707% |
| 222    | 14.582 | 14.551 | 14.664 | VV | 535291  | 33477131 | 39.14% | 1.197% |
| 223    | 14.672 | 14.664 | 14.685 | VV | 471528  | 5659762  | 6.62%  | 0.202% |
| 224    | 14.690 | 14.685 | 14.750 | VV | 466964  | 17533582 | 20.50% | 0.627% |
| 225    | 14.764 | 14.750 | 14.792 | VV | 448371  | 11112431 | 12.99% | 0.397% |
| 226    | 14.814 | 14.792 | 14.829 | VV | 432644  | 9479133  | 11.08% | 0.339% |
| 227    | 14.847 | 14.829 | 14.879 | VV | 458317  | 12756060 | 14.91% | 0.456% |
| 228    | 14.898 | 14.879 | 14.906 | VV | 403975  | 6422779  | 7.51%  | 0.230% |
| 229    | 14.918 | 14.906 | 14.958 | VV | 417042  | 12642270 | 14.78% | 0.452% |
| 230    | 14.984 | 14.958 | 15.039 | VV | 411711  | 18971407 | 22.18% | 0.678% |
| 231    | 15.062 | 15.039 | 15.080 | VV | 369131  | 8876316  | 10.38% | 0.317% |
| 232    | 15.121 | 15.080 | 15.180 | VV | 382159  | 21370615 | 24.98% | 0.764% |
| 233    | 15.223 | 15.180 | 15.268 | VV | 333894  | 17050384 | 19.93% | 0.609% |
| 234    | 15.280 | 15.268 | 15.360 | VV | 316527  | 16329252 | 19.09% | 0.584% |
| 235    | 15.389 | 15.360 | 15.412 | VV | 326616  | 9205289  | 10.76% | 0.329% |
| 236    | 15.428 | 15.412 | 15.512 | VV | 290655  | 16468643 | 19.25% | 0.589% |
| 237    | 15.531 | 15.512 | 15.564 | VV | 268467  | 7872175  | 9.20%  | 0.281% |
| 238    | 15.583 | 15.564 | 15.617 | VV | 242714  | 7523082  | 8.79%  | 0.269% |
| 239    | 15.627 | 15.617 | 15.637 | VV | 233521  | 2779749  | 3.25%  | 0.099% |
| 240    | 15.653 | 15.637 | 15.749 | VV | 234452  | 14606414 | 17.08% | 0.522% |
| 241    | 15.761 | 15.749 | 15.810 | VV | 206787  | 7311949  | 8.55%  | 0.261% |
| 242    | 15.823 | 15.810 | 15.875 | VV | 197259  | 7367791  | 8.61%  | 0.263% |
| 243    | 15.908 | 15.875 | 15.938 | VV | 207192  | 7133116  | 8.34%  | 0.255% |
| 244    | 15.954 | 15.938 | 15.980 | VV | 182142  | 4416379  | 5.16%  | 0.158% |
| 245    | 15.991 | 15.980 | 16.053 | VV | 166908  | 6839795  | 8.00%  | 0.244% |
| 246    | 16.067 | 16.053 | 16.128 | VV | 152512  | 6483199  | 7.58%  | 0.232% |

| rteres |        |        |        |    |        |         |       |        |
|--------|--------|--------|--------|----|--------|---------|-------|--------|
| 247    | 16.133 | 16.128 | 16.201 | VV | 138414 | 5859473 | 6.85% | 0.209% |
| 248    | 16.230 | 16.201 | 16.289 | VV | 135521 | 6648157 | 7.77% | 0.238% |
| 249    | 16.303 | 16.289 | 16.342 | VV | 117190 | 3489835 | 4.08% | 0.125% |
| 250    | 16.362 | 16.342 | 16.371 | VV | 106213 | 1853509 | 2.17% | 0.066% |
| 251    | 16.378 | 16.371 | 16.390 | VV | 107086 | 1191775 | 1.39% | 0.043% |
| 252    | 16.407 | 16.390 | 16.438 | VV | 114589 | 2998596 | 3.51% | 0.107% |
| 253    | 16.447 | 16.438 | 16.490 | VV | 99741  | 2923316 | 3.42% | 0.104% |
| 254    | 16.507 | 16.490 | 16.559 | VV | 89955  | 3425960 | 4.01% | 0.122% |
| 255    | 16.577 | 16.559 | 16.597 | VV | 83492  | 1791385 | 2.09% | 0.064% |
| 256    | 16.630 | 16.597 | 16.670 | VV | 83955  | 3396761 | 3.97% | 0.121% |
| 257    | 16.688 | 16.670 | 16.696 | VV | 69221  | 1059746 | 1.24% | 0.038% |
| 258    | 16.731 | 16.696 | 16.765 | VV | 152655 | 3791969 | 4.43% | 0.136% |
| 259    | 16.780 | 16.765 | 16.846 | VV | 66632  | 2930272 | 3.43% | 0.105% |
| 260    | 16.854 | 16.846 | 16.871 | VV | 55131  | 809477  | 0.95% | 0.029% |
| 261    | 16.892 | 16.871 | 16.945 | VV | 64682  | 2459455 | 2.88% | 0.088% |
| 262    | 16.973 | 16.945 | 17.015 | VV | 62066  | 2115740 | 2.47% | 0.076% |
| 263    | 17.032 | 17.015 | 17.115 | VV | 47057  | 2579035 | 3.01% | 0.092% |
| 264    | 17.121 | 17.115 | 17.163 | VV | 41251  | 1168670 | 1.37% | 0.042% |
| 265    | 17.178 | 17.163 | 17.211 | VV | 39490  | 1011945 | 1.18% | 0.036% |
| 266    | 17.222 | 17.211 | 17.237 | VV | 34057  | 514228  | 0.60% | 0.018% |
| 267    | 17.257 | 17.237 | 17.313 | VV | 35923  | 1474903 | 1.72% | 0.053% |
| 268    | 17.325 | 17.313 | 17.336 | VV | 26997  | 352496  | 0.41% | 0.013% |
| 269    | 17.358 | 17.336 | 17.388 | VV | 40111  | 980036  | 1.15% | 0.035% |
| 270    | 17.403 | 17.388 | 17.458 | VV | 27546  | 932941  | 1.09% | 0.033% |
| 271    | 17.490 | 17.458 | 17.522 | VV | 23896  | 722703  | 0.84% | 0.026% |
| 272    | 17.533 | 17.522 | 17.567 | VV | 16262  | 393137  | 0.46% | 0.014% |
| 273    | 17.611 | 17.567 | 17.670 | VV | 16046  | 770274  | 0.90% | 0.028% |
| 274    | 17.688 | 17.670 | 17.706 | VV | 11271  | 225826  | 0.26% | 0.008% |
| 275    | 17.731 | 17.706 | 17.777 | VV | 12888  | 429729  | 0.50% | 0.015% |
| 276    | 17.806 | 17.777 | 17.845 | VV | 38275  | 664018  | 0.78% | 0.024% |
| 277    | 17.891 | 17.845 | 17.915 | VV | 6920   | 218278  | 0.26% | 0.008% |
| 278    | 17.941 | 17.915 | 17.971 | VV | 4951   | 143352  | 0.17% | 0.005% |
| 279    | 17.988 | 17.971 | 18.019 | VV | 3609   | 84529   | 0.10% | 0.003% |
| 280    | 18.038 | 18.019 | 18.061 | VV | 2626   | 58156   | 0.07% | 0.002% |
| 281    | 18.088 | 18.061 | 18.131 | VV | 2332   | 64910   | 0.08% | 0.002% |
| 282    | 18.139 | 18.131 | 18.146 | VV | 1012   | 8250    | 0.01% | 0.000% |
| 283    | 18.153 | 18.146 | 18.158 | VV | 1023   | 6839    | 0.01% | 0.000% |
| 284    | 18.185 | 18.158 | 18.208 | VV | 2054   | 44971   | 0.05% | 0.002% |
| 285    | 18.244 | 18.208 | 18.294 | VV | 44542  | 619507  | 0.72% | 0.022% |
| 286    | 18.334 | 18.294 | 18.363 | VV | 12382  | 184162  | 0.22% | 0.007% |
| 287    | 18.377 | 18.363 | 18.393 | VV | 683    | 9293    | 0.01% | 0.000% |
| 288    | 18.412 | 18.393 | 18.426 | VV | 2129   | 27021   | 0.03% | 0.001% |
| 289    | 18.435 | 18.426 | 18.469 | VV | 1516   | 24380   | 0.03% | 0.001% |
| 290    | 18.490 | 18.469 | 18.501 | PV | 1074   | 12952   | 0.02% | 0.000% |
| 291    | 18.510 | 18.501 | 18.532 | VV | 1029   | 14335   | 0.02% | 0.001% |
| 292    | 18.583 | 18.532 | 18.595 | VV | 4425   | 78950   | 0.09% | 0.003% |
| 293    | 18.613 | 18.595 | 18.631 | VV | 5960   | 101901  | 0.12% | 0.004% |
| 294    | 18.668 | 18.631 | 18.718 | VV | 68253  | 1024244 | 1.20% | 0.037% |
| 295    | 18.774 | 18.718 | 18.834 | VV | 2722   | 72016   | 0.08% | 0.003% |
| 296    | 18.932 | 18.834 | 18.958 | PV | 3271   | 101802  | 0.12% | 0.004% |
| 297    | 18.977 | 18.958 | 19.006 | VV | 1330   | 20979   | 0.02% | 0.001% |
| 298    | 19.079 | 19.006 | 19.151 | PV | 85439  | 1301873 | 1.52% | 0.047% |
| 299    | 19.178 | 19.151 | 19.202 | VV | 15680  | 225689  | 0.26% | 0.008% |

|                         |        |        |        |    | rterres    |         |       |        |
|-------------------------|--------|--------|--------|----|------------|---------|-------|--------|
| 300                     | 19.211 | 19.202 | 19.236 | VV | 3368       | 46808   | 0.05% | 0.002% |
| 301                     | 19.287 | 19.236 | 19.309 | VV | 5627       | 108656  | 0.13% | 0.004% |
| 302                     | 19.335 | 19.309 | 19.359 | VV | 4721       | 79117   | 0.09% | 0.003% |
| 303                     | 19.381 | 19.359 | 19.405 | VV | 2624       | 36781   | 0.04% | 0.001% |
| 304                     | 19.478 | 19.405 | 19.533 | PV | 88541      | 1480267 | 1.73% | 0.053% |
| 305                     | 19.574 | 19.533 | 19.598 | VV | 4305       | 107184  | 0.13% | 0.004% |
| 306                     | 19.627 | 19.598 | 19.654 | VV | 6749       | 123964  | 0.14% | 0.004% |
| 307                     | 19.686 | 19.654 | 19.713 | VV | 19707      | 325856  | 0.38% | 0.012% |
| 308                     | 19.724 | 19.713 | 19.751 | VV | 6801       | 109602  | 0.13% | 0.004% |
| 309                     | 19.771 | 19.751 | 19.815 | VV | 4447       | 95837   | 0.11% | 0.003% |
| 310                     | 19.863 | 19.815 | 19.916 | VV | 89129      | 1389682 | 1.62% | 0.050% |
| 311                     | 19.939 | 19.916 | 19.954 | VV | 8531       | 122614  | 0.14% | 0.004% |
| 312                     | 19.974 | 19.954 | 20.009 | VV | 12257      | 195602  | 0.23% | 0.007% |
| 313                     | 20.050 | 20.009 | 20.070 | VV | 3926       | 100285  | 0.12% | 0.004% |
| 314                     | 20.104 | 20.070 | 20.124 | VV | 6749       | 151571  | 0.18% | 0.005% |
| 315                     | 20.148 | 20.124 | 20.185 | VV | 8312       | 185949  | 0.22% | 0.007% |
| 316                     | 20.239 | 20.185 | 20.285 | VV | 76180      | 1307612 | 1.53% | 0.047% |
| 317                     | 20.304 | 20.285 | 20.328 | VV | 5112       | 121724  | 0.14% | 0.004% |
| 318                     | 20.362 | 20.328 | 20.375 | VV | 5403       | 142206  | 0.17% | 0.005% |
| 319                     | 20.428 | 20.375 | 20.442 | VV | 6024       | 225977  | 0.26% | 0.008% |
| 320                     | 20.511 | 20.442 | 20.547 | VV | 53288      | 1163500 | 1.36% | 0.042% |
| 321                     | 20.562 | 20.547 | 20.568 | VV | 5582       | 71471   | 0.08% | 0.003% |
| 322                     | 20.605 | 20.568 | 20.658 | VV | 74676      | 1324735 | 1.55% | 0.047% |
| 323                     | 20.673 | 20.658 | 20.695 | VV | 7035       | 141535  | 0.17% | 0.005% |
| 324                     | 20.725 | 20.695 | 20.739 | VV | 8605       | 196450  | 0.23% | 0.007% |
| 325                     | 20.780 | 20.739 | 20.808 | VV | 10356      | 384976  | 0.45% | 0.014% |
| 326                     | 20.836 | 20.808 | 20.861 | VV | 10423      | 285755  | 0.33% | 0.010% |
| 327                     | 20.883 | 20.861 | 20.913 | VV | 10269      | 255952  | 0.30% | 0.009% |
| 328                     | 20.974 | 20.913 | 21.017 | VV | 50534      | 1111796 | 1.30% | 0.040% |
| 329                     | 21.065 | 21.017 | 21.077 | VV | 8537       | 271449  | 0.32% | 0.010% |
| 330                     | 21.145 | 21.077 | 21.198 | VV | 13692      | 817132  | 0.96% | 0.029% |
| 331                     | 21.226 | 21.198 | 21.259 | VV | 11323      | 358059  | 0.42% | 0.013% |
| 332                     | 21.283 | 21.259 | 21.330 | VV | 10027      | 349525  | 0.41% | 0.012% |
| 333                     | 21.384 | 21.330 | 21.457 | VV | 42358      | 1138052 | 1.33% | 0.041% |
| 334                     | 21.491 | 21.457 | 21.512 | VV | 4884       | 150570  | 0.18% | 0.005% |
| 335                     | 21.597 | 21.512 | 21.634 | VV | 6210       | 368817  | 0.43% | 0.013% |
| 336                     | 21.669 | 21.634 | 21.686 | VV | 6047       | 166353  | 0.19% | 0.006% |
| 337                     | 21.841 | 21.686 | 21.950 | VV | 37113      | 2533744 | 2.96% | 0.091% |
| 338                     | 21.978 | 21.950 | 22.028 | VV | 5735       | 223773  | 0.26% | 0.008% |
| 339                     | 22.040 | 22.028 | 22.076 | VV | 4181       | 103852  | 0.12% | 0.004% |
| 340                     | 22.086 | 22.076 | 22.138 | VV | 2990       | 73505   | 0.09% | 0.003% |
| 341                     | 22.172 | 22.138 | 22.200 | VV | 1153       | 21998   | 0.03% | 0.001% |
| 342                     | 22.251 | 22.200 | 22.289 | PV | 2512       | 62019   | 0.07% | 0.002% |
| 343                     | 22.309 | 22.289 | 22.317 | VV | 312        | 4674    | 0.01% | 0.000% |
| Sum of corrected areas: |        |        |        |    | 2797514520 |         |       |        |

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