

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC120219AL\  
 Data File : FC044789.D  
 Signal(s) : FID1A.CH  
 Acq On : 02 Dec 2019 19:30  
 Sample : K6065-01DL 5X  
 Misc :  
 ALS Vial : 13 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         | 3.501       | 3.477        | 3.582      | PV       | 1815           | 18167        | 0.56%          | 0.011%        |
| 2         | 3.608       | 3.582        | 3.621      | PV       | 231            | 3285         | 0.10%          | 0.002%        |
| 3         | 3.634       | 3.621        | 3.652      | VV       | 253            | 2982         | 0.09%          | 0.002%        |
| 4         | 3.657       | 3.652        | 3.673      | VV       | 195            | 1454         | 0.04%          | 0.001%        |
| 5         | 3.706       | 3.673        | 3.738      | VV       | 302            | 5180         | 0.16%          | 0.003%        |
| 6         | 3.781       | 3.738        | 3.812      | PV       | 813            | 20390        | 0.62%          | 0.012%        |
| 7         | 3.822       | 3.812        | 3.852      | VV       | 621            | 9578         | 0.29%          | 0.006%        |
| 8         | 3.877       | 3.852        | 3.899      | VV       | 2603           | 26820        | 0.82%          | 0.016%        |
| 9         | 3.918       | 3.899        | 3.929      | VV       | 807            | 9416         | 0.29%          | 0.006%        |
| 10        | 3.952       | 3.929        | 3.971      | VV       | 949            | 14390        | 0.44%          | 0.008%        |
| 11        | 3.977       | 3.971        | 3.989      | VV       | 401            | 3127         | 0.10%          | 0.002%        |
| 12        | 4.004       | 3.989        | 4.040      | VV       | 1984           | 25780        | 0.79%          | 0.015%        |
| 13        | 4.055       | 4.040        | 4.071      | PV       | 1035           | 8903         | 0.27%          | 0.005%        |
| 14        | 4.090       | 4.071        | 4.124      | VV       | 1354           | 21805        | 0.67%          | 0.013%        |
| 15        | 4.153       | 4.124        | 4.163      | VV       | 3051           | 29339        | 0.90%          | 0.017%        |
| 16        | 4.177       | 4.163        | 4.193      | VV       | 4172           | 52545        | 1.61%          | 0.031%        |
| 17        | 4.204       | 4.193        | 4.227      | VV       | 3279           | 37722        | 1.16%          | 0.022%        |
| 18        | 4.271       | 4.227        | 4.298      | VV       | 3550           | 50874        | 1.56%          | 0.030%        |
| 19        | 4.345       | 4.298        | 4.369      | VV       | 3743           | 48011        | 1.47%          | 0.028%        |
| 20        | 4.385       | 4.369        | 4.410      | VV       | 2296           | 33873        | 1.04%          | 0.020%        |
| 21        | 4.423       | 4.410        | 4.434      | VV       | 1169           | 13651        | 0.42%          | 0.008%        |
| 22        | 4.442       | 4.434        | 4.467      | VV       | 1250           | 11615        | 0.36%          | 0.007%        |
| 23        | 4.497       | 4.467        | 4.512      | PV       | 935            | 14406        | 0.44%          | 0.008%        |
| 24        | 4.537       | 4.512        | 4.554      | VV       | 2762           | 33646        | 1.03%          | 0.020%        |
| 25        | 4.576       | 4.554        | 4.601      | VV       | 18809          | 175967       | 5.39%          | 0.103%        |
| 26        | 4.626       | 4.601        | 4.638      | VV       | 2213           | 24001        | 0.74%          | 0.014%        |
| 27        | 4.653       | 4.638        | 4.670      | VV       | 3841           | 37089        | 1.14%          | 0.022%        |
| 28        | 4.685       | 4.670        | 4.713      | VV       | 2151           | 30825        | 0.94%          | 0.018%        |
| 29        | 4.738       | 4.713        | 4.769      | VV       | 1836           | 41230        | 1.26%          | 0.024%        |
| 30        | 4.782       | 4.769        | 4.812      | VV       | 2187           | 41817        | 1.28%          | 0.025%        |
| 31        | 4.831       | 4.812        | 4.850      | VV       | 10066          | 98910        | 3.03%          | 0.058%        |
| 32        | 4.866       | 4.850        | 4.898      | VV       | 3302           | 62057        | 1.90%          | 0.036%        |
| 33        | 4.914       | 4.898        | 4.943      | VV       | 5247           | 80351        | 2.46%          | 0.047%        |
| 34        | 4.960       | 4.943        | 4.976      | VV       | 7250           | 82208        | 2.52%          | 0.048%        |
| 35        | 4.995       | 4.976        | 5.019      | VV       | 8550           | 114372       | 3.50%          | 0.067%        |
| 36        | 5.035       | 5.019        | 5.079      | VV       | 4970           | 91278        | 2.80%          | 0.054%        |

|    |       |       |       |    | rteres |         |        |        |
|----|-------|-------|-------|----|--------|---------|--------|--------|
| 37 | 5.113 | 5.079 | 5.158 | VV | 6428   | 111003  | 3.40%  | 0.065% |
| 38 | 5.186 | 5.158 | 5.200 | VV | 5908   | 68571   | 2.10%  | 0.040% |
| 39 | 5.220 | 5.200 | 5.246 | VV | 10999  | 173990  | 5.33%  | 0.102% |
| 40 | 5.255 | 5.246 | 5.269 | VV | 7320   | 76339   | 2.34%  | 0.045% |
|    |       |       |       |    |        |         |        |        |
| 41 | 5.277 | 5.269 | 5.288 | VV | 4500   | 42463   | 1.30%  | 0.025% |
| 42 | 5.318 | 5.288 | 5.367 | VV | 7774   | 183256  | 5.61%  | 0.107% |
| 43 | 5.390 | 5.367 | 5.399 | VV | 1527   | 23524   | 0.72%  | 0.014% |
| 44 | 5.419 | 5.399 | 5.429 | VV | 3346   | 44994   | 1.38%  | 0.026% |
| 45 | 5.440 | 5.429 | 5.454 | VV | 3876   | 43437   | 1.33%  | 0.025% |
|    |       |       |       |    |        |         |        |        |
| 46 | 5.511 | 5.454 | 5.530 | VV | 10501  | 230762  | 7.07%  | 0.135% |
| 47 | 5.544 | 5.530 | 5.559 | VV | 3035   | 45914   | 1.41%  | 0.027% |
| 48 | 5.571 | 5.559 | 5.596 | VV | 5424   | 73087   | 2.24%  | 0.043% |
| 49 | 5.615 | 5.596 | 5.640 | VV | 32481  | 371846  | 11.39% | 0.218% |
| 50 | 5.655 | 5.640 | 5.675 | VV | 8464   | 98961   | 3.03%  | 0.058% |
|    |       |       |       |    |        |         |        |        |
| 51 | 5.690 | 5.675 | 5.701 | VV | 3611   | 41451   | 1.27%  | 0.024% |
| 52 | 5.708 | 5.701 | 5.726 | VV | 3566   | 38775   | 1.19%  | 0.023% |
| 53 | 5.755 | 5.726 | 5.767 | VV | 4057   | 64555   | 1.98%  | 0.038% |
| 54 | 5.775 | 5.767 | 5.786 | VV | 3293   | 33388   | 1.02%  | 0.020% |
| 55 | 5.809 | 5.786 | 5.826 | VV | 12370  | 175958  | 5.39%  | 0.103% |
|    |       |       |       |    |        |         |        |        |
| 56 | 5.833 | 5.826 | 5.847 | VV | 6277   | 68288   | 2.09%  | 0.040% |
| 57 | 5.860 | 5.847 | 5.879 | VV | 4955   | 76795   | 2.35%  | 0.045% |
| 58 | 5.904 | 5.879 | 5.944 | VV | 17741  | 405226  | 12.41% | 0.238% |
| 59 | 5.963 | 5.944 | 5.978 | VV | 11872  | 149213  | 4.57%  | 0.087% |
| 60 | 5.992 | 5.978 | 6.014 | VV | 7461   | 125589  | 3.85%  | 0.074% |
|    |       |       |       |    |        |         |        |        |
| 61 | 6.027 | 6.014 | 6.055 | VV | 9175   | 142844  | 4.38%  | 0.084% |
| 62 | 6.075 | 6.055 | 6.099 | VV | 11509  | 155654  | 4.77%  | 0.091% |
| 63 | 6.122 | 6.099 | 6.145 | VV | 12911  | 234053  | 7.17%  | 0.137% |
| 64 | 6.174 | 6.145 | 6.191 | VV | 16923  | 303458  | 9.29%  | 0.178% |
| 65 | 6.212 | 6.191 | 6.234 | VV | 15459  | 237614  | 7.28%  | 0.139% |
|    |       |       |       |    |        |         |        |        |
| 66 | 6.256 | 6.234 | 6.286 | VV | 20864  | 301102  | 9.22%  | 0.177% |
| 67 | 6.315 | 6.286 | 6.336 | VV | 25715  | 412260  | 12.63% | 0.242% |
| 68 | 6.360 | 6.336 | 6.374 | VV | 9286   | 171622  | 5.26%  | 0.101% |
| 69 | 6.392 | 6.374 | 6.415 | VV | 15856  | 269634  | 8.26%  | 0.158% |
| 70 | 6.443 | 6.415 | 6.462 | VV | 13488  | 290732  | 8.91%  | 0.170% |
|    |       |       |       |    |        |         |        |        |
| 71 | 6.481 | 6.462 | 6.502 | VV | 13623  | 235330  | 7.21%  | 0.138% |
| 72 | 6.544 | 6.502 | 6.571 | VV | 14984  | 421073  | 12.90% | 0.247% |
| 73 | 6.595 | 6.571 | 6.612 | VV | 19169  | 287393  | 8.80%  | 0.169% |
| 74 | 6.624 | 6.612 | 6.644 | VV | 12897  | 177558  | 5.44%  | 0.104% |
| 75 | 6.690 | 6.644 | 6.701 | VV | 12850  | 299662  | 9.18%  | 0.176% |
|    |       |       |       |    |        |         |        |        |
| 76 | 6.716 | 6.701 | 6.725 | VV | 14951  | 183990  | 5.64%  | 0.108% |
| 77 | 6.745 | 6.725 | 6.769 | VV | 50663  | 654296  | 20.04% | 0.384% |
| 78 | 6.799 | 6.769 | 6.839 | VV | 26260  | 632942  | 19.39% | 0.371% |
| 79 | 6.881 | 6.839 | 6.901 | VV | 23084  | 518482  | 15.88% | 0.304% |
| 80 | 6.923 | 6.901 | 6.946 | VV | 18300  | 383636  | 11.75% | 0.225% |
|    |       |       |       |    |        |         |        |        |
| 81 | 6.957 | 6.946 | 6.970 | VV | 15697  | 198129  | 6.07%  | 0.116% |
| 82 | 7.007 | 6.970 | 7.029 | VV | 37370  | 664135  | 20.34% | 0.389% |
| 83 | 7.044 | 7.029 | 7.055 | VV | 12663  | 171269  | 5.25%  | 0.100% |
| 84 | 7.111 | 7.055 | 7.139 | VV | 31260  | 1030315 | 31.56% | 0.604% |
| 85 | 7.158 | 7.139 | 7.181 | VV | 36943  | 630333  | 19.31% | 0.370% |
|    |       |       |       |    |        |         |        |        |
| 86 | 7.198 | 7.181 | 7.214 | VV | 32774  | 495241  | 15.17% | 0.290% |
| 87 | 7.232 | 7.214 | 7.279 | VV | 84376  | 1502042 | 46.01% | 0.881% |
| 88 | 7.298 | 7.279 | 7.316 | VV | 49620  | 696480  | 21.33% | 0.408% |
| 89 | 7.326 | 7.316 | 7.346 | VV | 26173  | 374440  | 11.47% | 0.220% |

|     |       |       |       |    |        |         |        |        |
|-----|-------|-------|-------|----|--------|---------|--------|--------|
|     |       |       |       |    | rteres |         |        |        |
| 90  | 7.368 | 7.346 | 7.390 | VV | 52374  | 763538  | 23.39% | 0.448% |
| 91  | 7.406 | 7.390 | 7.427 | VV | 21385  | 372564  | 11.41% | 0.218% |
| 92  | 7.448 | 7.427 | 7.472 | VV | 16295  | 397060  | 12.16% | 0.233% |
| 93  | 7.516 | 7.472 | 7.555 | VV | 43959  | 1216905 | 37.27% | 0.714% |
| 94  | 7.572 | 7.555 | 7.596 | VV | 26043  | 518088  | 15.87% | 0.304% |
| 95  | 7.619 | 7.596 | 7.662 | VV | 24203  | 823800  | 25.23% | 0.483% |
| 96  | 7.696 | 7.662 | 7.717 | VV | 38580  | 863535  | 26.45% | 0.506% |
| 97  | 7.727 | 7.717 | 7.739 | VV | 23766  | 278140  | 8.52%  | 0.163% |
| 98  | 7.753 | 7.739 | 7.789 | VV | 25607  | 557600  | 17.08% | 0.327% |
| 99  | 7.840 | 7.789 | 7.875 | VV | 219983 | 2993430 | 91.69% | 1.755% |
| 100 | 7.888 | 7.875 | 7.907 | VV | 25768  | 393863  | 12.06% | 0.231% |
| 101 | 7.971 | 7.907 | 7.985 | VV | 36847  | 1141726 | 34.97% | 0.670% |
| 102 | 7.997 | 7.985 | 8.016 | VV | 34834  | 497546  | 15.24% | 0.292% |
| 103 | 8.041 | 8.016 | 8.063 | VV | 43166  | 763804  | 23.40% | 0.448% |
| 104 | 8.086 | 8.063 | 8.100 | VV | 43767  | 678675  | 20.79% | 0.398% |
| 105 | 8.114 | 8.100 | 8.125 | VV | 41926  | 550396  | 16.86% | 0.323% |
| 106 | 8.140 | 8.125 | 8.188 | VV | 51008  | 1198225 | 36.70% | 0.703% |
| 107 | 8.211 | 8.188 | 8.241 | VV | 110560 | 1803057 | 55.23% | 1.057% |
| 108 | 8.250 | 8.241 | 8.264 | VV | 25128  | 321239  | 9.84%  | 0.188% |
| 109 | 8.275 | 8.264 | 8.291 | VV | 22644  | 338261  | 10.36% | 0.198% |
| 110 | 8.329 | 8.291 | 8.344 | VV | 95278  | 1517735 | 46.49% | 0.890% |
| 111 | 8.356 | 8.344 | 8.374 | VV | 77680  | 942969  | 28.88% | 0.553% |
| 112 | 8.388 | 8.374 | 8.406 | VV | 59200  | 771754  | 23.64% | 0.453% |
| 113 | 8.437 | 8.406 | 8.464 | VV | 40277  | 1048169 | 32.11% | 0.615% |
| 114 | 8.489 | 8.464 | 8.523 | VV | 50525  | 1332926 | 40.83% | 0.782% |
| 115 | 8.534 | 8.523 | 8.548 | VV | 24883  | 344358  | 10.55% | 0.202% |
| 116 | 8.565 | 8.548 | 8.576 | VV | 32936  | 458053  | 14.03% | 0.269% |
| 117 | 8.584 | 8.576 | 8.592 | VV | 29402  | 261627  | 8.01%  | 0.153% |
| 118 | 8.606 | 8.592 | 8.655 | VV | 35969  | 1078350 | 33.03% | 0.632% |
| 119 | 8.680 | 8.655 | 8.692 | VV | 26477  | 553593  | 16.96% | 0.325% |
| 120 | 8.713 | 8.692 | 8.736 | VV | 155750 | 1843723 | 56.47% | 1.081% |
| 121 | 8.767 | 8.736 | 8.782 | VV | 32278  | 784645  | 24.03% | 0.460% |
| 122 | 8.809 | 8.782 | 8.825 | VV | 42942  | 922026  | 28.24% | 0.541% |
| 123 | 8.850 | 8.825 | 8.869 | VV | 46840  | 1021840 | 31.30% | 0.599% |
| 124 | 8.878 | 8.869 | 8.893 | VV | 42175  | 507780  | 15.55% | 0.298% |
| 125 | 8.925 | 8.893 | 8.952 | VV | 106678 | 1909438 | 58.49% | 1.120% |
| 126 | 8.976 | 8.952 | 8.992 | VV | 48391  | 825176  | 25.27% | 0.484% |
| 127 | 9.009 | 8.992 | 9.023 | VV | 28933  | 508384  | 15.57% | 0.298% |
| 128 | 9.044 | 9.023 | 9.064 | VV | 74269  | 1140401 | 34.93% | 0.669% |
| 129 | 9.078 | 9.064 | 9.101 | VV | 40941  | 727637  | 22.29% | 0.427% |
| 130 | 9.117 | 9.101 | 9.131 | VV | 30195  | 476976  | 14.61% | 0.280% |
| 131 | 9.168 | 9.131 | 9.184 | VV | 42044  | 1095827 | 33.56% | 0.643% |
| 132 | 9.213 | 9.184 | 9.236 | VV | 100182 | 1730091 | 52.99% | 1.015% |
| 133 | 9.257 | 9.236 | 9.277 | VV | 69313  | 1094149 | 33.51% | 0.642% |
| 134 | 9.294 | 9.277 | 9.315 | VV | 36893  | 712573  | 21.83% | 0.418% |
| 135 | 9.328 | 9.315 | 9.338 | VV | 27364  | 377155  | 11.55% | 0.221% |
| 136 | 9.373 | 9.338 | 9.389 | VV | 56753  | 1110069 | 34.00% | 0.651% |
| 137 | 9.404 | 9.389 | 9.431 | VV | 55011  | 898546  | 27.52% | 0.527% |
| 138 | 9.447 | 9.431 | 9.464 | VV | 28261  | 514903  | 15.77% | 0.302% |
| 139 | 9.508 | 9.464 | 9.529 | VV | 58270  | 1427996 | 43.74% | 0.837% |
| 140 | 9.544 | 9.529 | 9.559 | VV | 31092  | 493672  | 15.12% | 0.289% |
| 141 | 9.590 | 9.559 | 9.609 | VV | 63496  | 1307861 | 40.06% | 0.767% |

| rteres |        |        |        |    |        |         |         |        |
|--------|--------|--------|--------|----|--------|---------|---------|--------|
| 142    | 9.620  | 9.609  | 9.641  | VV | 44900  | 753206  | 23.07%  | 0.442% |
| 143    | 9.672  | 9.641  | 9.697  | VV | 73740  | 1634419 | 50.06%  | 0.958% |
| 144    | 9.713  | 9.697  | 9.729  | VV | 53987  | 816103  | 25.00%  | 0.479% |
| 145    | 9.746  | 9.729  | 9.754  | VV | 48382  | 613990  | 18.81%  | 0.360% |
| 146    | 9.768  | 9.754  | 9.783  | VV | 71252  | 970849  | 29.74%  | 0.569% |
| 147    | 9.792  | 9.783  | 9.822  | VV | 46064  | 899939  | 27.56%  | 0.528% |
| 148    | 9.831  | 9.822  | 9.854  | VV | 35124  | 588780  | 18.03%  | 0.345% |
| 149    | 9.871  | 9.854  | 9.888  | VV | 28029  | 523656  | 16.04%  | 0.307% |
| 150    | 9.918  | 9.888  | 9.929  | VV | 41749  | 881457  | 27.00%  | 0.517% |
| 151    | 9.947  | 9.929  | 9.972  | VV | 47290  | 1116530 | 34.20%  | 0.655% |
| 152    | 9.990  | 9.972  | 10.041 | VV | 77618  | 1989552 | 60.94%  | 1.167% |
| 153    | 10.061 | 10.041 | 10.084 | VV | 37185  | 895247  | 27.42%  | 0.525% |
| 154    | 10.110 | 10.084 | 10.144 | VV | 39898  | 1181544 | 36.19%  | 0.693% |
| 155    | 10.173 | 10.144 | 10.247 | VV | 41664  | 1946221 | 59.61%  | 1.141% |
| 156    | 10.267 | 10.247 | 10.289 | VV | 32810  | 724667  | 22.20%  | 0.425% |
| 157    | 10.333 | 10.289 | 10.351 | VV | 64063  | 1481383 | 45.37%  | 0.869% |
| 158    | 10.378 | 10.351 | 10.407 | VV | 103287 | 2032211 | 62.25%  | 1.192% |
| 159    | 10.443 | 10.407 | 10.452 | VV | 53505  | 1206302 | 36.95%  | 0.707% |
| 160    | 10.468 | 10.452 | 10.494 | VV | 75655  | 1353972 | 41.47%  | 0.794% |
| 161    | 10.517 | 10.494 | 10.556 | VV | 91022  | 1871862 | 57.33%  | 1.098% |
| 162    | 10.602 | 10.556 | 10.629 | VV | 56645  | 1846781 | 56.57%  | 1.083% |
| 163    | 10.656 | 10.629 | 10.683 | VV | 51910  | 1395735 | 42.75%  | 0.818% |
| 164    | 10.726 | 10.683 | 10.746 | VV | 82314  | 2006499 | 61.46%  | 1.177% |
| 165    | 10.755 | 10.746 | 10.771 | VV | 44444  | 650121  | 19.91%  | 0.381% |
| 166    | 10.799 | 10.771 | 10.841 | VV | 141154 | 2979619 | 91.26%  | 1.747% |
| 167    | 10.861 | 10.841 | 10.887 | VV | 41981  | 1087506 | 33.31%  | 0.638% |
| 168    | 10.896 | 10.887 | 10.914 | VV | 35479  | 539398  | 16.52%  | 0.316% |
| 169    | 10.996 | 10.914 | 11.026 | VV | 70157  | 2830943 | 86.71%  | 1.660% |
| 170    | 11.066 | 11.026 | 11.085 | VV | 51717  | 1617091 | 49.53%  | 0.948% |
| 171    | 11.120 | 11.085 | 11.156 | VV | 55485  | 1897267 | 58.11%  | 1.113% |
| 172    | 11.179 | 11.156 | 11.194 | VV | 52861  | 1004399 | 30.76%  | 0.589% |
| 173    | 11.206 | 11.194 | 11.219 | VV | 44051  | 638342  | 19.55%  | 0.374% |
| 174    | 11.234 | 11.219 | 11.259 | VV | 48949  | 980418  | 30.03%  | 0.575% |
| 175    | 11.301 | 11.259 | 11.323 | VV | 52816  | 1598915 | 48.97%  | 0.938% |
| 176    | 11.345 | 11.323 | 11.368 | VV | 50943  | 1205909 | 36.94%  | 0.707% |
| 177    | 11.386 | 11.368 | 11.406 | VV | 49514  | 1012678 | 31.02%  | 0.594% |
| 178    | 11.428 | 11.406 | 11.449 | VV | 72799  | 1339965 | 41.04%  | 0.786% |
| 179    | 11.470 | 11.449 | 11.493 | VV | 51494  | 1196667 | 36.65%  | 0.702% |
| 180    | 11.520 | 11.493 | 11.559 | VV | 129794 | 2574071 | 78.84%  | 1.509% |
| 181    | 11.587 | 11.559 | 11.608 | VV | 43197  | 1073415 | 32.88%  | 0.629% |
| 182    | 11.649 | 11.608 | 11.704 | VV | 59812  | 2368461 | 72.55%  | 1.389% |
| 183    | 11.726 | 11.704 | 11.736 | VV | 51664  | 871055  | 26.68%  | 0.511% |
| 184    | 11.758 | 11.736 | 11.779 | VV | 246639 | 3264810 | 100.00% | 1.915% |
| 185    | 11.797 | 11.779 | 11.811 | VV | 69897  | 1121828 | 34.36%  | 0.658% |
| 186    | 11.828 | 11.811 | 11.849 | VV | 92539  | 1427991 | 43.74%  | 0.837% |
| 187    | 11.861 | 11.849 | 11.882 | VV | 44065  | 798541  | 24.46%  | 0.468% |
| 188    | 11.912 | 11.882 | 11.929 | VV | 46635  | 1119372 | 34.29%  | 0.656% |
| 189    | 11.947 | 11.929 | 11.964 | VV | 55585  | 922718  | 28.26%  | 0.541% |
| 190    | 11.981 | 11.964 | 12.029 | VV | 54070  | 1530134 | 46.87%  | 0.897% |
| 191    | 12.095 | 12.029 | 12.121 | VV | 65521  | 2412443 | 73.89%  | 1.415% |
| 192    | 12.136 | 12.121 | 12.152 | VV | 44554  | 766000  | 23.46%  | 0.449% |
| 193    | 12.166 | 12.152 | 12.184 | VV | 37840  | 686298  | 21.02%  | 0.402% |
| 194    | 12.201 | 12.184 | 12.222 | VV | 50196  | 927453  | 28.41%  | 0.544% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.231 | 12.222 | 12.271 | VV | 32804  | 898626  | 27.52% | 0.527% |
| 196 | 12.299 | 12.271 | 12.313 | VV | 46171  | 908118  | 27.82% | 0.533% |
| 197 | 12.337 | 12.313 | 12.356 | VV | 65107  | 1272909 | 38.99% | 0.746% |
| 198 | 12.366 | 12.356 | 12.392 | VV | 41260  | 827089  | 25.33% | 0.485% |
| 199 | 12.408 | 12.392 | 12.427 | VV | 38170  | 734260  | 22.49% | 0.431% |
| 200 | 12.443 | 12.427 | 12.459 | VV | 39375  | 675370  | 20.69% | 0.396% |
| 201 | 12.477 | 12.459 | 12.497 | VV | 40926  | 837864  | 25.66% | 0.491% |
| 202 | 12.511 | 12.497 | 12.528 | VV | 42394  | 708029  | 21.69% | 0.415% |
| 203 | 12.539 | 12.528 | 12.548 | VV | 35649  | 415173  | 12.72% | 0.243% |
| 204 | 12.561 | 12.548 | 12.573 | VV | 39012  | 548864  | 16.81% | 0.322% |
| 205 | 12.587 | 12.573 | 12.632 | VV | 43582  | 1235745 | 37.85% | 0.725% |
| 206 | 12.661 | 12.632 | 12.677 | VV | 31475  | 765937  | 23.46% | 0.449% |
| 207 | 12.697 | 12.677 | 12.716 | VV | 49270  | 890353  | 27.27% | 0.522% |
| 208 | 12.735 | 12.716 | 12.753 | VV | 52981  | 933049  | 28.58% | 0.547% |
| 209 | 12.765 | 12.753 | 12.787 | VV | 35870  | 645910  | 19.78% | 0.379% |
| 210 | 12.811 | 12.787 | 12.867 | VV | 33616  | 1340920 | 41.07% | 0.786% |
| 211 | 12.884 | 12.867 | 12.901 | VV | 25600  | 483030  | 14.80% | 0.283% |
| 212 | 12.939 | 12.901 | 12.971 | VV | 30598  | 1064636 | 32.61% | 0.624% |
| 213 | 13.003 | 12.971 | 13.042 | VV | 28429  | 1094651 | 33.53% | 0.642% |
| 214 | 13.060 | 13.042 | 13.082 | VV | 28480  | 592781  | 18.16% | 0.348% |
| 215 | 13.101 | 13.082 | 13.115 | VV | 26874  | 487872  | 14.94% | 0.286% |
| 216 | 13.129 | 13.115 | 13.147 | VV | 27695  | 477491  | 14.63% | 0.280% |
| 217 | 13.184 | 13.147 | 13.217 | VV | 171157 | 2660555 | 81.49% | 1.560% |
| 218 | 13.235 | 13.217 | 13.272 | VV | 24377  | 724859  | 22.20% | 0.425% |
| 219 | 13.285 | 13.272 | 13.304 | VV | 20761  | 376370  | 11.53% | 0.221% |
| 220 | 13.320 | 13.304 | 13.331 | VV | 20659  | 310940  | 9.52%  | 0.182% |
| 221 | 13.347 | 13.331 | 13.372 | VV | 27354  | 549591  | 16.83% | 0.322% |
| 222 | 13.398 | 13.372 | 13.423 | VV | 23552  | 634875  | 19.45% | 0.372% |
| 223 | 13.442 | 13.423 | 13.467 | VV | 23568  | 525676  | 16.10% | 0.308% |
| 224 | 13.477 | 13.467 | 13.494 | VV | 16451  | 254538  | 7.80%  | 0.149% |
| 225 | 13.509 | 13.494 | 13.525 | VV | 18199  | 309293  | 9.47%  | 0.181% |
| 226 | 13.538 | 13.525 | 13.555 | VV | 17022  | 292893  | 8.97%  | 0.172% |
| 227 | 13.577 | 13.555 | 13.603 | VV | 25401  | 563466  | 17.26% | 0.330% |
| 228 | 13.627 | 13.603 | 13.647 | VV | 17618  | 441635  | 13.53% | 0.259% |
| 229 | 13.658 | 13.647 | 13.676 | VV | 16426  | 259322  | 7.94%  | 0.152% |
| 230 | 13.694 | 13.676 | 13.719 | VV | 16577  | 393925  | 12.07% | 0.231% |
| 231 | 13.727 | 13.719 | 13.756 | VV | 14762  | 314290  | 9.63%  | 0.184% |
| 232 | 13.775 | 13.756 | 13.812 | VV | 15646  | 461461  | 14.13% | 0.271% |
| 233 | 13.847 | 13.812 | 13.886 | VV | 13714  | 559589  | 17.14% | 0.328% |
| 234 | 13.900 | 13.886 | 13.912 | VV | 12324  | 189679  | 5.81%  | 0.111% |
| 235 | 13.932 | 13.912 | 13.952 | VV | 16221  | 320285  | 9.81%  | 0.188% |
| 236 | 13.961 | 13.952 | 13.974 | VV | 11683  | 152788  | 4.68%  | 0.090% |
| 237 | 13.995 | 13.974 | 14.016 | VV | 13080  | 299684  | 9.18%  | 0.176% |
| 238 | 14.021 | 14.016 | 14.046 | VV | 11431  | 190884  | 5.85%  | 0.112% |
| 239 | 14.055 | 14.046 | 14.072 | VV | 10289  | 158315  | 4.85%  | 0.093% |
| 240 | 14.081 | 14.072 | 14.122 | VV | 9837   | 276911  | 8.48%  | 0.162% |
| 241 | 14.161 | 14.122 | 14.211 | VV | 11875  | 521261  | 15.97% | 0.306% |
| 242 | 14.227 | 14.211 | 14.254 | VV | 9081   | 225787  | 6.92%  | 0.132% |
| 243 | 14.266 | 14.254 | 14.281 | VV | 9000   | 140419  | 4.30%  | 0.082% |
| 244 | 14.296 | 14.281 | 14.307 | VV | 8823   | 132164  | 4.05%  | 0.078% |
| 245 | 14.318 | 14.307 | 14.334 | VV | 8803   | 138297  | 4.24%  | 0.081% |
| 246 | 14.345 | 14.334 | 14.391 | VV | 9188   | 273267  | 8.37%  | 0.160% |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 247 | 14.410 | 14.391 | 14.427 | VV | 7779   | 162133 | 4.97% | 0.095% |
| 248 | 14.435 | 14.427 | 14.449 | VV | 7248   | 91985  | 2.82% | 0.054% |
| 249 | 14.461 | 14.449 | 14.477 | VV | 7176   | 117433 | 3.60% | 0.069% |
| 250 | 14.496 | 14.477 | 14.532 | VV | 8877   | 241337 | 7.39% | 0.142% |
|     |        |        |        |    |        |        |       |        |
| 251 | 14.556 | 14.532 | 14.607 | VV | 7371   | 296286 | 9.08% | 0.174% |
| 252 | 14.612 | 14.607 | 14.662 | VV | 6343   | 192392 | 5.89% | 0.113% |
| 253 | 14.713 | 14.662 | 14.756 | VV | 6084   | 306637 | 9.39% | 0.180% |
| 254 | 14.771 | 14.756 | 14.795 | VV | 5463   | 122411 | 3.75% | 0.072% |
| 255 | 14.801 | 14.795 | 14.822 | VV | 5046   | 78707  | 2.41% | 0.046% |
|     |        |        |        |    |        |        |       |        |
| 256 | 14.843 | 14.822 | 14.876 | VV | 4867   | 149951 | 4.59% | 0.088% |
| 257 | 14.893 | 14.876 | 14.911 | VV | 4947   | 95895  | 2.94% | 0.056% |
| 258 | 14.930 | 14.911 | 14.947 | VV | 4507   | 90992  | 2.79% | 0.053% |
| 259 | 14.961 | 14.947 | 14.974 | VV | 4124   | 64227  | 1.97% | 0.038% |
| 260 | 14.989 | 14.974 | 15.007 | VV | 4378   | 82728  | 2.53% | 0.049% |
|     |        |        |        |    |        |        |       |        |
| 261 | 15.034 | 15.007 | 15.062 | VV | 6469   | 150943 | 4.62% | 0.089% |
| 262 | 15.081 | 15.062 | 15.097 | VV | 3952   | 77422  | 2.37% | 0.045% |
| 263 | 15.107 | 15.097 | 15.118 | VV | 3599   | 44041  | 1.35% | 0.026% |
| 264 | 15.129 | 15.118 | 15.155 | VV | 3463   | 71286  | 2.18% | 0.042% |
| 265 | 15.170 | 15.155 | 15.207 | VV | 3206   | 93879  | 2.88% | 0.055% |
|     |        |        |        |    |        |        |       |        |
| 266 | 15.235 | 15.207 | 15.256 | VV | 2994   | 83079  | 2.54% | 0.049% |
| 267 | 15.294 | 15.256 | 15.321 | VV | 5939   | 144782 | 4.43% | 0.085% |
| 268 | 15.330 | 15.321 | 15.354 | VV | 2758   | 51079  | 1.56% | 0.030% |
| 269 | 15.365 | 15.354 | 15.397 | VV | 2625   | 65635  | 2.01% | 0.038% |
| 270 | 15.421 | 15.397 | 15.463 | VV | 8785   | 199047 | 6.10% | 0.117% |
|     |        |        |        |    |        |        |       |        |
| 271 | 15.480 | 15.463 | 15.532 | VV | 3204   | 102668 | 3.14% | 0.060% |
| 272 | 15.554 | 15.532 | 15.601 | VV | 4730   | 120279 | 3.68% | 0.071% |
| 273 | 15.643 | 15.601 | 15.678 | VV | 3411   | 104590 | 3.20% | 0.061% |
| 274 | 15.697 | 15.678 | 15.771 | VV | 2082   | 86087  | 2.64% | 0.050% |
| 275 | 15.789 | 15.771 | 15.798 | VV | 1518   | 23097  | 0.71% | 0.014% |
|     |        |        |        |    |        |        |       |        |
| 276 | 15.814 | 15.798 | 15.825 | VV | 1456   | 22408  | 0.69% | 0.013% |
| 277 | 15.844 | 15.825 | 15.856 | VV | 1522   | 24164  | 0.74% | 0.014% |
| 278 | 15.875 | 15.856 | 15.914 | VV | 1629   | 44351  | 1.36% | 0.026% |
| 279 | 15.933 | 15.914 | 16.009 | VV | 1529   | 63744  | 1.95% | 0.037% |
| 280 | 16.055 | 16.009 | 16.086 | VV | 4553   | 84706  | 2.59% | 0.050% |
|     |        |        |        |    |        |        |       |        |
| 281 | 16.096 | 16.086 | 16.157 | VV | 995    | 36321  | 1.11% | 0.021% |
| 282 | 16.171 | 16.157 | 16.209 | VV | 870    | 20933  | 0.64% | 0.012% |
| 283 | 16.270 | 16.209 | 16.324 | VV | 983    | 45672  | 1.40% | 0.027% |
| 284 | 16.363 | 16.324 | 16.397 | VV | 1171   | 32934  | 1.01% | 0.019% |
| 285 | 16.440 | 16.397 | 16.496 | VV | 1736   | 52806  | 1.62% | 0.031% |
|     |        |        |        |    |        |        |       |        |
| 286 | 16.538 | 16.496 | 16.591 | VV | 5632   | 98922  | 3.03% | 0.058% |
| 287 | 16.627 | 16.591 | 16.644 | VV | 1304   | 26907  | 0.82% | 0.016% |
| 288 | 16.670 | 16.644 | 16.741 | VV | 10864  | 158982 | 4.87% | 0.093% |
| 289 | 16.747 | 16.741 | 16.759 | VV | 525    | 4503   | 0.14% | 0.003% |
| 290 | 16.768 | 16.759 | 16.797 | VV | 500    | 9501   | 0.29% | 0.006% |
|     |        |        |        |    |        |        |       |        |
| 291 | 16.834 | 16.797 | 16.852 | VV | 566    | 16298  | 0.50% | 0.010% |
| 292 | 16.874 | 16.852 | 16.906 | VV | 873    | 19523  | 0.60% | 0.011% |
| 293 | 16.927 | 16.906 | 16.960 | VV | 850    | 16793  | 0.51% | 0.010% |
| 294 | 17.003 | 16.960 | 17.032 | VV | 6798   | 97259  | 2.98% | 0.057% |
| 295 | 17.053 | 17.032 | 17.068 | VV | 1462   | 22953  | 0.70% | 0.013% |
|     |        |        |        |    |        |        |       |        |
| 296 | 17.082 | 17.068 | 17.139 | VV | 1260   | 25280  | 0.77% | 0.015% |
| 297 | 17.148 | 17.139 | 17.172 | VV | 306    | 4395   | 0.13% | 0.003% |
| 298 | 17.193 | 17.172 | 17.202 | PV | 261    | 3059   | 0.09% | 0.002% |
| 299 | 17.215 | 17.202 | 17.229 | VV | 304    | 4050   | 0.12% | 0.002% |

|     |        |        |        |    |                         |        |           |        |  |
|-----|--------|--------|--------|----|-------------------------|--------|-----------|--------|--|
|     |        |        |        |    | rteres                  |        |           |        |  |
| 300 | 17.239 | 17.229 | 17.261 | VV | 452                     | 6448   | 0.20%     | 0.004% |  |
| 301 | 17.275 | 17.261 | 17.317 | VV | 501                     | 10228  | 0.31%     | 0.006% |  |
| 302 | 17.340 | 17.317 | 17.352 | VV | 503                     | 6261   | 0.19%     | 0.004% |  |
| 303 | 17.386 | 17.352 | 17.422 | VV | 1043                    | 28193  | 0.86%     | 0.017% |  |
| 304 | 17.455 | 17.422 | 17.501 | VV | 8295                    | 111475 | 3.41%     | 0.065% |  |
| 305 | 17.514 | 17.501 | 17.524 | VV | 285                     | 2770   | 0.08%     | 0.002% |  |
| 306 | 17.543 | 17.524 | 17.567 | VV | 680                     | 10900  | 0.33%     | 0.006% |  |
| 307 | 17.584 | 17.567 | 17.615 | VV | 489                     | 8380   | 0.26%     | 0.005% |  |
| 308 | 17.641 | 17.615 | 17.672 | VV | 978                     | 15142  | 0.46%     | 0.009% |  |
| 309 | 17.686 | 17.672 | 17.719 | VV | 342                     | 7210   | 0.22%     | 0.004% |  |
| 310 | 17.737 | 17.719 | 17.759 | VV | 470                     | 6368   | 0.20%     | 0.004% |  |
| 311 | 17.769 | 17.759 | 17.805 | VV | 299                     | 5263   | 0.16%     | 0.003% |  |
| 312 | 17.849 | 17.805 | 17.862 | VV | 458                     | 11285  | 0.35%     | 0.007% |  |
| 313 | 17.891 | 17.862 | 17.943 | VV | 7567                    | 111792 | 3.42%     | 0.066% |  |
| 314 | 17.983 | 17.943 | 18.008 | VV | 1664                    | 26874  | 0.82%     | 0.016% |  |
| 315 | 18.027 | 18.008 | 18.046 | VV | 483                     | 7572   | 0.23%     | 0.004% |  |
| 316 | 18.065 | 18.046 | 18.077 | VV | 600                     | 8756   | 0.27%     | 0.005% |  |
| 317 | 18.087 | 18.077 | 18.120 | VV | 510                     | 9550   | 0.29%     | 0.006% |  |
| 318 | 18.153 | 18.120 | 18.189 | VV | 610                     | 17217  | 0.53%     | 0.010% |  |
| 319 | 18.259 | 18.189 | 18.287 | VV | 2678                    | 79485  | 2.43%     | 0.047% |  |
| 320 | 18.312 | 18.287 | 18.374 | VV | 7901                    | 139411 | 4.27%     | 0.082% |  |
| 321 | 18.469 | 18.374 | 18.531 | VV | 1175                    | 70961  | 2.17%     | 0.042% |  |
| 322 | 18.552 | 18.531 | 18.609 | VV | 1063                    | 40890  | 1.25%     | 0.024% |  |
| 323 | 18.619 | 18.609 | 18.644 | VV | 1090                    | 18837  | 0.58%     | 0.011% |  |
| 324 | 18.654 | 18.644 | 18.667 | VV | 764                     | 9578   | 0.29%     | 0.006% |  |
| 325 | 18.721 | 18.667 | 18.761 | VV | 6989                    | 137764 | 4.22%     | 0.081% |  |
| 326 | 18.770 | 18.761 | 18.791 | VV | 875                     | 14078  | 0.43%     | 0.008% |  |
| 327 | 18.823 | 18.791 | 18.843 | VV | 2314                    | 44076  | 1.35%     | 0.026% |  |
| 328 | 18.864 | 18.843 | 18.890 | VV | 1968                    | 42314  | 1.30%     | 0.025% |  |
| 329 | 18.900 | 18.890 | 18.924 | VV | 1548                    | 27439  | 0.84%     | 0.016% |  |
| 330 | 18.943 | 18.924 | 18.974 | VV | 3023                    | 54982  | 1.68%     | 0.032% |  |
| 331 | 18.981 | 18.974 | 19.001 | VV | 1047                    | 15813  | 0.48%     | 0.009% |  |
| 332 | 19.027 | 19.001 | 19.047 | VV | 1206                    | 27661  | 0.85%     | 0.016% |  |
| 333 | 19.117 | 19.047 | 19.197 | VV | 6538                    | 281938 | 8.64%     | 0.165% |  |
| 334 | 19.227 | 19.197 | 19.244 | VV | 1863                    | 45708  | 1.40%     | 0.027% |  |
| 335 | 19.273 | 19.244 | 19.297 | VV | 2555                    | 60694  | 1.86%     | 0.036% |  |
| 336 | 19.326 | 19.297 | 19.344 | VV | 1660                    | 43846  | 1.34%     | 0.026% |  |
| 337 | 19.355 | 19.344 | 19.380 | VV | 1681                    | 33916  | 1.04%     | 0.020% |  |
| 338 | 19.424 | 19.380 | 19.459 | VV | 2037                    | 84508  | 2.59%     | 0.050% |  |
| 339 | 19.505 | 19.459 | 19.547 | VV | 4635                    | 131643 | 4.03%     | 0.077% |  |
| 340 | 19.587 | 19.547 | 19.599 | VV | 2425                    | 65157  | 2.00%     | 0.038% |  |
| 341 | 19.615 | 19.599 | 19.660 | VV | 3705                    | 101644 | 3.11%     | 0.060% |  |
|     |        |        |        |    | Sum of corrected areas: |        | 170529977 |        |  |

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