

Instrument :  
FID\_C  
ClientSampleId :  
HR-06-031119-C

rteres

## Area Percent Report

Manual Integrations  
APPROVED

Sohil  
3/14/2019 6:02:39 PM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC031319AL\  
Data File : FC039814.D  
Signal(s) : FID1A.CH  
Acq On : 14 Mar 2019 00:19  
Sample : K1687-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 022219.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         | 3.152       | 3.142        | 3.170      | PV       | 988            | 7171         | 0.10%          | 0.003%        |
| 2         | 3.187       | 3.170        | 3.199      | PV       | 948            | 9196         | 0.13%          | 0.004%        |
| 3         | 3.212       | 3.199        | 3.226      | VV       | 1299           | 12661        | 0.18%          | 0.005%        |
| 4         | 3.240       | 3.226        | 3.252      | VV       | 1058           | 9308         | 0.13%          | 0.004%        |
| 5         | 3.269       | 3.252        | 3.304      | VV       | 4567           | 53994        | 0.77%          | 0.022%        |
| 6         | 3.336       | 3.304        | 3.362      | VV       | 1869           | 32316        | 0.46%          | 0.013%        |
| 7         | 3.380       | 3.362        | 3.416      | VV       | 6211           | 82184        | 1.17%          | 0.034%        |
| 8         | 3.448       | 3.416        | 3.473      | VV       | 4145           | 66420        | 0.95%          | 0.027%        |
| 9         | 3.493       | 3.473        | 3.512      | VV       | 2059           | 36915        | 0.53%          | 0.015%        |
| 10        | 3.531       | 3.512        | 3.557      | VV       | 7848           | 77897        | 1.11%          | 0.032%        |
| 11        | 3.583       | 3.557        | 3.629      | VV       | 7307           | 137254       | 1.96%          | 0.056%        |
| 12        | 3.671       | 3.629        | 3.684      | VV       | 8214           | 115989       | 1.65%          | 0.048%        |
| 13        | 3.698       | 3.684        | 3.713      | VV       | 7901           | 90753        | 1.29%          | 0.037%        |
| 14        | 3.728       | 3.713        | 3.741      | VV       | 4023           | 54614        | 0.78%          | 0.022%        |
| 15        | 3.762       | 3.741        | 3.780      | VV       | 8109           | 107544       | 1.53%          | 0.044%        |
| 16        | 3.791       | 3.780        | 3.801      | VV       | 2112           | 20606        | 0.29%          | 0.008%        |
| 17        | 3.833       | 3.801        | 3.852      | VV       | 11369          | 194065       | 2.77%          | 0.080%        |
| 18        | 3.865       | 3.852        | 3.889      | VV       | 7746           | 112958       | 1.61%          | 0.046%        |
| 19        | 3.900       | 3.889        | 3.937      | VV       | 4005           | 64066        | 0.91%          | 0.026%        |
| 20        | 3.969       | 3.937        | 3.991      | VV       | 5627           | 85551        | 1.22%          | 0.035%        |
| 21        | 4.012       | 3.991        | 4.034      | VV       | 5867           | 98819        | 1.41%          | 0.040%        |
| 22        | 4.065       | 4.034        | 4.086      | VV       | 55012          | 559787       | 7.98%          | 0.229%        |
| 23        | 4.099       | 4.086        | 4.114      | VV       | 11663          | 129362       | 1.84%          | 0.053%        |
| 24        | 4.128       | 4.114        | 4.151      | VV       | 6052           | 96484        | 1.38%          | 0.040%        |
| 25        | 4.165       | 4.151        | 4.186      | VV       | 2575           | 47256        | 0.67%          | 0.019%        |
| 26        | 4.220       | 4.186        | 4.232      | VV       | 6161           | 112325       | 1.60%          | 0.046%        |
| 27        | 4.247       | 4.232        | 4.274      | VV       | 9069           | 165508       | 2.36%          | 0.068%        |
| 28        | 4.284       | 4.274        | 4.297      | VV       | 6256           | 69599        | 0.99%          | 0.029%        |
| 29        | 4.314       | 4.297        | 4.348      | VV       | 25031          | 397403       | 5.67%          | 0.163%        |
| 30        | 4.381       | 4.348        | 4.399      | VV       | 11468          | 241033       | 3.44%          | 0.099%        |
| 31        | 4.439       | 4.399        | 4.460      | VV       | 13783          | 347166       | 4.95%          | 0.142%        |
| 32        | 4.473       | 4.460        | 4.491      | VV       | 14333          | 187651       | 2.68%          | 0.077%        |
| 33        | 4.510       | 4.491        | 4.548      | VV       | 27551          | 399292       | 5.69%          | 0.164%        |
| 34        | 4.580       | 4.548        | 4.594      | VV       | 10994          | 182495       | 2.60%          | 0.075%        |
| 35        | 4.608       | 4.594        | 4.632      | VV       | 10454          | 148623       | 2.12%          | 0.061%        |
| 36        | 4.666       | 4.632        | 4.680      | VV       | 21047          | 274578       | 3.92%          | 0.113%        |

|        |       |       |       |    |        |         |        |        |
|--------|-------|-------|-------|----|--------|---------|--------|--------|
| rteres |       |       |       |    |        |         |        |        |
| 37     | 4.696 | 4.680 | 4.717 | VV | 25636  | 346081  | 4.94%  | 0.142% |
| 38     | 4.735 | 4.717 | 4.748 | VV | 29192  | 331019  | 4.72%  | 0.136% |
| 39     | 4.768 | 4.748 | 4.781 | VV | 17370  | 297212  | 4.24%  | 0.122% |
| 40     | 4.795 | 4.781 | 4.827 | VV | 26633  | 366255  | 5.22%  | 0.150% |
| 41     | 4.852 | 4.827 | 4.864 | VV | 6936   | 127243  | 1.81%  | 0.052% |
| 42     | 4.882 | 4.864 | 4.895 | VV | 16248  | 207291  | 2.96%  | 0.085% |
| 43     | 4.905 | 4.895 | 4.914 | VV | 11879  | 121459  | 1.73%  | 0.050% |
| 44     | 4.952 | 4.914 | 4.962 | VV | 16785  | 401616  | 5.73%  | 0.165% |
| 45     | 4.971 | 4.962 | 4.986 | VV | 17263  | 209424  | 2.99%  | 0.086% |
| 46     | 4.995 | 4.986 | 5.016 | VV | 12812  | 209863  | 2.99%  | 0.086% |
| 47     | 5.029 | 5.016 | 5.042 | VV | 12683  | 164859  | 2.35%  | 0.068% |
| 48     | 5.052 | 5.042 | 5.065 | VV | 9556   | 103712  | 1.48%  | 0.043% |
| 49     | 5.090 | 5.065 | 5.147 | VV | 214163 | 2511646 | 35.82% | 1.029% |
| 50     | 5.159 | 5.147 | 5.178 | VV | 9684   | 155971  | 2.22%  | 0.064% |
| 51     | 5.205 | 5.178 | 5.217 | VV | 10049  | 198961  | 2.84%  | 0.082% |
| 52     | 5.247 | 5.217 | 5.261 | VV | 31966  | 464304  | 6.62%  | 0.190% |
| 53     | 5.276 | 5.261 | 5.312 | VV | 24206  | 499443  | 7.12%  | 0.205% |
| 54     | 5.331 | 5.312 | 5.343 | VV | 16053  | 235988  | 3.37%  | 0.097% |
| 55     | 5.371 | 5.343 | 5.397 | VV | 50155  | 922655  | 13.16% | 0.378% |
| 56     | 5.409 | 5.397 | 5.421 | VV | 28115  | 325468  | 4.64%  | 0.133% |
| 57     | 5.445 | 5.421 | 5.476 | VV | 34710  | 766881  | 10.94% | 0.314% |
| 58     | 5.489 | 5.476 | 5.516 | VV | 17934  | 335273  | 4.78%  | 0.137% |
| 59     | 5.533 | 5.516 | 5.557 | VV | 25622  | 414212  | 5.91%  | 0.170% |
| 60     | 5.582 | 5.557 | 5.604 | VV | 26692  | 533883  | 7.61%  | 0.219% |
| 61     | 5.638 | 5.604 | 5.667 | VV | 35371  | 919878  | 13.12% | 0.377% |
| 62     | 5.680 | 5.667 | 5.696 | VV | 31017  | 404810  | 5.77%  | 0.166% |
| 63     | 5.724 | 5.696 | 5.740 | VV | 46408  | 723567  | 10.32% | 0.297% |
| 64     | 5.756 | 5.740 | 5.768 | VV | 26620  | 396045  | 5.65%  | 0.162% |
| 65     | 5.785 | 5.768 | 5.817 | VV | 45745  | 799172  | 11.40% | 0.328% |
| 66     | 5.835 | 5.817 | 5.845 | VV | 24073  | 330222  | 4.71%  | 0.135% |
| 67     | 5.858 | 5.845 | 5.868 | VV | 24495  | 303324  | 4.33%  | 0.124% |
| 68     | 5.888 | 5.868 | 5.917 | VV | 28961  | 676017  | 9.64%  | 0.277% |
| 69     | 5.937 | 5.917 | 5.963 | VV | 26947  | 650419  | 9.28%  | 0.267% |
| 70     | 5.982 | 5.963 | 6.037 | VV | 39696  | 1093315 | 15.59% | 0.448% |
| 71     | 6.062 | 6.037 | 6.106 | VV | 286577 | 3351428 | 47.79% | 1.374% |
| 72     | 6.143 | 6.106 | 6.157 | VV | 22928  | 577720  | 8.24%  | 0.237% |
| 73     | 6.171 | 6.157 | 6.185 | VV | 26382  | 375792  | 5.36%  | 0.154% |
| 74     | 6.208 | 6.185 | 6.263 | VV | 105663 | 1884289 | 26.87% | 0.772% |
| 75     | 6.277 | 6.263 | 6.287 | VV | 26657  | 331850  | 4.73%  | 0.136% |
| 76     | 6.298 | 6.287 | 6.313 | VV | 27793  | 359138  | 5.12%  | 0.147% |
| 77     | 6.330 | 6.313 | 6.349 | VV | 31555  | 547855  | 7.81%  | 0.225% |
| 78     | 6.367 | 6.349 | 6.383 | VV | 49011  | 670417  | 9.56%  | 0.275% |
| 79     | 6.401 | 6.383 | 6.421 | VV | 27762  | 571735  | 8.15%  | 0.234% |
| 80     | 6.440 | 6.421 | 6.477 | VV | 69610  | 1227737 | 17.51% | 0.503% |
| 81     | 6.491 | 6.477 | 6.504 | VV | 25423  | 357035  | 5.09%  | 0.146% |
| 82     | 6.521 | 6.504 | 6.539 | VV | 33083  | 564487  | 8.05%  | 0.231% |
| 83     | 6.559 | 6.539 | 6.587 | VV | 50759  | 1125958 | 16.06% | 0.461% |
| 84     | 6.613 | 6.587 | 6.635 | VV | 51031  | 963517  | 13.74% | 0.395% |
| 85     | 6.661 | 6.635 | 6.697 | VV | 90719  | 1704848 | 24.31% | 0.699% |
| 86     | 6.713 | 6.697 | 6.731 | VV | 49437  | 685095  | 9.77%  | 0.281% |
| 87     | 6.755 | 6.731 | 6.777 | VV | 99669  | 1407630 | 20.07% | 0.577% |
| 88     | 6.806 | 6.777 | 6.826 | VV | 44289  | 946386  | 13.50% | 0.388% |
| 89     | 6.847 | 6.826 | 6.881 | VV | 37197  | 901271  | 12.85% | 0.369% |

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|     |       |       |       |    | rters  |         |         |        |
|-----|-------|-------|-------|----|--------|---------|---------|--------|
| 90  | 6.898 | 6.881 | 6.917 | VV | 28158  | 546494  | 7.79%   | 0.224% |
| 91  | 6.940 | 6.917 | 6.954 | VV | 54151  | 863853  | 12.32%  | 0.354% |
| 92  | 6.977 | 6.954 | 7.007 | VV | 331387 | 3795857 | 54.13%  | 1.556% |
| 93  | 7.020 | 7.007 | 7.064 | VV | 30642  | 957487  | 13.65%  | 0.392% |
| 94  | 7.094 | 7.064 | 7.112 | VV | 33499  | 803080  | 11.45%  | 0.329% |
| 95  | 7.145 | 7.112 | 7.172 | VV | 58741  | 1354044 | 19.31%  | 0.555% |
| 96  | 7.187 | 7.172 | 7.214 | VV | 29404  | 587293  | 8.38%   | 0.241% |
| 97  | 7.233 | 7.214 | 7.249 | VV | 32014  | 536289  | 7.65%   | 0.220% |
| 98  | 7.271 | 7.249 | 7.317 | VV | 610837 | 7012297 | 100.00% | 2.874% |
| 99  | 7.331 | 7.317 | 7.362 | VV | 39125  | 819875  | 11.69%  | 0.336% |
| 100 | 7.388 | 7.362 | 7.409 | VV | 34975  | 815003  | 11.62%  | 0.334% |
| 101 | 7.426 | 7.409 | 7.441 | VV | 47230  | 689592  | 9.83%   | 0.283% |
| 102 | 7.452 | 7.441 | 7.470 | VV | 37457  | 544740  | 7.77%   | 0.223% |
| 103 | 7.492 | 7.470 | 7.512 | VV | 42881  | 787196  | 11.23%  | 0.323% |
| 104 | 7.537 | 7.512 | 7.569 | VV | 57604  | 1343804 | 19.16%  | 0.551% |
| 105 | 7.590 | 7.569 | 7.612 | VV | 44715  | 862246  | 12.30%  | 0.353% |
| 106 | 7.660 | 7.612 | 7.683 | VV | 84542  | 1717068 | 24.49%  | 0.704% |
| 107 | 7.694 | 7.683 | 7.719 | VV | 27954  | 518135  | 7.39%   | 0.212% |
| 108 | 7.745 | 7.719 | 7.761 | VV | 45223  | 803847  | 11.46%  | 0.329% |
| 109 | 7.777 | 7.761 | 7.792 | VV | 37188  | 627715  | 8.95%   | 0.257% |
| 110 | 7.800 | 7.792 | 7.814 | VV | 32980  | 402731  | 5.74%   | 0.165% |
| 111 | 7.839 | 7.814 | 7.869 | VV | 245063 | 3139000 | 44.76%  | 1.286% |
| 112 | 7.892 | 7.869 | 7.912 | VV | 36776  | 830538  | 11.84%  | 0.340% |
| 113 | 7.924 | 7.912 | 7.944 | VV | 30787  | 556952  | 7.94%   | 0.228% |
| 114 | 7.969 | 7.944 | 7.997 | VV | 31219  | 872331  | 12.44%  | 0.358% |
| 115 | 8.007 | 7.997 | 8.019 | VV | 25396  | 317917  | 4.53%   | 0.130% |
| 116 | 8.039 | 8.019 | 8.089 | VV | 31035  | 1004405 | 14.32%  | 0.412% |
| 117 | 8.121 | 8.089 | 8.165 | VV | 354860 | 4562479 | 65.06%  | 1.870% |
| 118 | 8.181 | 8.165 | 8.220 | VV | 40205  | 1055400 | 15.05%  | 0.433% |
| 119 | 8.254 | 8.220 | 8.268 | VV | 36333  | 848806  | 12.10%  | 0.348% |
| 120 | 8.282 | 8.268 | 8.307 | VV | 34795  | 644619  | 9.19%   | 0.264% |
| 121 | 8.324 | 8.307 | 8.347 | VV | 35243  | 652131  | 9.30%   | 0.267% |
| 122 | 8.369 | 8.347 | 8.400 | VV | 87169  | 1324860 | 18.89%  | 0.543% |
| 123 | 8.422 | 8.400 | 8.446 | VV | 33907  | 652712  | 9.31%   | 0.268% |
| 124 | 8.465 | 8.446 | 8.474 | VV | 19921  | 311506  | 4.44%   | 0.128% |
| 125 | 8.488 | 8.474 | 8.501 | VV | 20293  | 316290  | 4.51%   | 0.130% |
| 126 | 8.512 | 8.501 | 8.523 | VV | 19694  | 248025  | 3.54%   | 0.102% |
| 127 | 8.536 | 8.523 | 8.562 | VV | 19617  | 405737  | 5.79%   | 0.166% |
| 128 | 8.586 | 8.562 | 8.604 | VV | 21822  | 486591  | 6.94%   | 0.199% |
| 129 | 8.653 | 8.604 | 8.701 | VV | 167559 | 2672099 | 38.11%  | 1.095% |
| 130 | 8.732 | 8.701 | 8.752 | VV | 19812  | 506616  | 7.22%   | 0.208% |
| 131 | 8.782 | 8.752 | 8.802 | VV | 19317  | 468793  | 6.69%   | 0.192% |
| 132 | 8.838 | 8.802 | 8.876 | VV | 15713  | 619929  | 8.84%   | 0.254% |
| 133 | 8.887 | 8.876 | 8.897 | VV | 13547  | 165012  | 2.35%   | 0.068% |
| 134 | 8.917 | 8.897 | 8.963 | VV | 17748  | 571577  | 8.15%   | 0.234% |
| 135 | 8.970 | 8.963 | 8.987 | VV | 12668  | 180756  | 2.58%   | 0.074% |
| 136 | 9.017 | 8.987 | 9.053 | VV | 25779  | 722279  | 10.30%  | 0.296% |
| 137 | 9.072 | 9.053 | 9.087 | VV | 17761  | 317440  | 4.53%   | 0.130% |
| 138 | 9.106 | 9.087 | 9.131 | VV | 20920  | 416778  | 5.94%   | 0.171% |
| 139 | 9.152 | 9.131 | 9.169 | VV | 21131  | 350900  | 5.00%   | 0.144% |
| 140 | 9.183 | 9.169 | 9.194 | VV | 15750  | 215154  | 3.07%   | 0.088% |
| 141 | 9.204 | 9.194 | 9.240 | VV | 16782  | 329692  | 4.70%   | 0.135% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.254  | 9.240  | 9.287  | VV | 9691   | 247781  | 3.53%  | 0.102% |
| 143    | 9.327  | 9.287  | 9.354  | VV | 10270  | 362170  | 5.16%  | 0.148% |
| 144    | 9.374  | 9.354  | 9.397  | VV | 15090  | 310217  | 4.42%  | 0.127% |
| 145    | 9.424  | 9.397  | 9.457  | VV | 92210  | 1251106 | 17.84% | 0.513% |
| 146    | 9.468  | 9.457  | 9.479  | VV | 9713   | 119658  | 1.71%  | 0.049% |
| 147    | 9.494  | 9.479  | 9.514  | VV | 9819   | 190581  | 2.72%  | 0.078% |
| 148    | 9.523  | 9.514  | 9.557  | VV | 8629   | 199443  | 2.84%  | 0.082% |
| 149    | 9.576  | 9.557  | 9.614  | VV | 8341   | 243321  | 3.47%  | 0.100% |
| 150    | 9.638  | 9.614  | 9.674  | VV | 7638   | 246185  | 3.51%  | 0.101% |
| 151    | 9.701  | 9.674  | 9.726  | VV | 6754   | 196919  | 2.81%  | 0.081% |
| 152    | 9.766  | 9.726  | 9.775  | VV | 10346  | 235003  | 3.35%  | 0.096% |
| 153    | 9.808  | 9.775  | 9.841  | VV | 26611  | 609530  | 8.69%  | 0.250% |
| 154    | 9.858  | 9.841  | 9.876  | VV | 10386  | 187021  | 2.67%  | 0.077% |
| 155    | 9.897  | 9.876  | 9.921  | VV | 11014  | 232451  | 3.31%  | 0.095% |
| 156    | 9.948  | 9.921  | 9.970  | VV | 10123  | 225471  | 3.22%  | 0.092% |
| 157    | 9.986  | 9.970  | 10.019 | VV | 5762   | 155357  | 2.22%  | 0.064% |
| 158    | 10.037 | 10.019 | 10.056 | VV | 5517   | 117554  | 1.68%  | 0.048% |
| 159    | 10.083 | 10.056 | 10.102 | VV | 6365   | 156328  | 2.23%  | 0.064% |
| 160    | 10.156 | 10.102 | 10.196 | VV | 55763  | 885418  | 12.63% | 0.363% |
| 161    | 10.226 | 10.196 | 10.304 | VV | 26750  | 618817  | 8.82%  | 0.254% |
| 162    | 10.338 | 10.304 | 10.361 | VV | 4578   | 133805  | 1.91%  | 0.055% |
| 163    | 10.371 | 10.361 | 10.384 | VV | 4335   | 58278   | 0.83%  | 0.024% |
| 164    | 10.407 | 10.384 | 10.439 | VV | 5283   | 145741  | 2.08%  | 0.060% |
| 165    | 10.445 | 10.439 | 10.456 | VV | 3945   | 38225   | 0.55%  | 0.016% |
| 166    | 10.477 | 10.456 | 10.510 | VV | 6384   | 175043  | 2.50%  | 0.072% |
| 167    | 10.534 | 10.510 | 10.584 | VV | 7449   | 227062  | 3.24%  | 0.093% |
| 168    | 10.607 | 10.584 | 10.637 | VV | 5848   | 131058  | 1.87%  | 0.054% |
| 169    | 10.657 | 10.637 | 10.696 | VV | 4467   | 112583  | 1.61%  | 0.046% |
| 170    | 10.702 | 10.696 | 10.741 | VV | 2610   | 65894   | 0.94%  | 0.027% |
| 171    | 10.787 | 10.741 | 10.821 | VV | 3371   | 134073  | 1.91%  | 0.055% |
| 172    | 10.853 | 10.821 | 10.906 | VV | 31955  | 456628  | 6.51%  | 0.187% |
| 173    | 10.941 | 10.906 | 10.974 | VV | 11425  | 214996  | 3.07%  | 0.088% |
| 174    | 11.005 | 10.974 | 11.026 | VV | 2106   | 56560   | 0.81%  | 0.023% |
| 175    | 11.043 | 11.026 | 11.066 | VV | 2085   | 41288   | 0.59%  | 0.017% |
| 176    | 11.077 | 11.066 | 11.100 | VV | 1603   | 30479   | 0.43%  | 0.012% |
| 177    | 11.143 | 11.100 | 11.187 | VV | 173232 | 1993838 | 28.43% | 0.817% |
| 178    | 11.199 | 11.187 | 11.217 | VV | 2943   | 48197   | 0.69%  | 0.020% |
| 179    | 11.239 | 11.217 | 11.266 | VV | 3780   | 80423   | 1.15%  | 0.033% |
| 180    | 11.284 | 11.266 | 11.311 | VV | 3143   | 66369   | 0.95%  | 0.027% |
| 181    | 11.332 | 11.311 | 11.382 | VV | 3021   | 79637   | 1.14%  | 0.033% |
| 182    | 11.413 | 11.382 | 11.436 | VV | 1503   | 41547   | 0.59%  | 0.017% |
| 183    | 11.453 | 11.436 | 11.463 | VV | 1147   | 17277   | 0.25%  | 0.007% |
| 184    | 11.517 | 11.463 | 11.545 | VV | 18855  | 282655  | 4.03%  | 0.116% |
| 185    | 11.570 | 11.545 | 11.682 | VV | 13528  | 227331  | 3.24%  | 0.093% |
| 186    | 11.716 | 11.682 | 11.729 | VV | 985    | 22339   | 0.32%  | 0.009% |
| 187    | 11.742 | 11.729 | 11.761 | VV | 995    | 15688   | 0.22%  | 0.006% |
| 188    | 11.795 | 11.761 | 11.835 | VV | 2814   | 80403   | 1.15%  | 0.033% |
| 189    | 11.859 | 11.835 | 11.877 | VV | 1898   | 39945   | 0.57%  | 0.016% |
| 190    | 11.892 | 11.877 | 11.912 | VV | 1747   | 30293   | 0.43%  | 0.012% |
| 191    | 11.926 | 11.912 | 11.949 | VV | 1641   | 28404   | 0.41%  | 0.012% |
| 192    | 11.975 | 11.949 | 12.001 | VV | 1616   | 32503   | 0.46%  | 0.013% |
| 193    | 12.010 | 12.001 | 12.030 | VV | 619    | 9823    | 0.14%  | 0.004% |
| 194    | 12.045 | 12.030 | 12.057 | VV | 655    | 9444    | 0.13%  | 0.004% |

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|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.078 | 12.057 | 12.103 | VV | 1873   | 34118   | 0.49%  | 0.014% |
| 196 | 12.112 | 12.103 | 12.126 | VV | 919    | 10999   | 0.16%  | 0.005% |
| 197 | 12.152 | 12.126 | 12.174 | VV | 12429  | 157100  | 2.24%  | 0.064% |
| 198 | 12.193 | 12.174 | 12.271 | VV | 6466   | 131075  | 1.87%  | 0.054% |
| 199 | 12.287 | 12.271 | 12.337 | VV | 578    | 14582   | 0.21%  | 0.006% |
| 200 | 12.408 | 12.337 | 12.455 | PV | 960    | 29419   | 0.42%  | 0.012% |
| 201 | 12.483 | 12.455 | 12.527 | VV | 5623   | 101078  | 1.44%  | 0.041% |
| 202 | 12.588 | 12.527 | 12.613 | VV | 162659 | 2706308 | 38.59% | 1.109% |
| 203 | 12.632 | 12.613 | 12.724 | VV | 56656  | 791478  | 11.29% | 0.324% |
| 204 | 12.760 | 12.724 | 12.787 | VV | 7919   | 113853  | 1.62%  | 0.047% |
| 205 | 12.814 | 12.787 | 12.862 | VV | 10587  | 144737  | 2.06%  | 0.059% |
| 206 | 12.880 | 12.862 | 12.927 | VV | 540    | 12573   | 0.18%  | 0.005% |
| 207 | 12.948 | 12.927 | 12.957 | VV | 497    | 6993    | 0.10%  | 0.003% |
| 208 | 12.990 | 12.957 | 13.027 | VV | 1065   | 29957   | 0.43%  | 0.012% |
| 209 | 13.067 | 13.027 | 13.077 | VV | 927    | 20309   | 0.29%  | 0.008% |
| 210 | 13.105 | 13.077 | 13.156 | VV | 1401   | 42734   | 0.61%  | 0.018% |
| 211 | 13.192 | 13.156 | 13.204 | VV | 815    | 18813   | 0.27%  | 0.008% |
| 212 | 13.241 | 13.204 | 13.276 | VV | 1290   | 39944   | 0.57%  | 0.016% |
| 213 | 13.292 | 13.276 | 13.311 | VV | 693    | 10531   | 0.15%  | 0.004% |
| 214 | 13.342 | 13.311 | 13.381 | VV | 7065   | 102080  | 1.46%  | 0.042% |
| 215 | 13.394 | 13.381 | 13.419 | VV | 928    | 16268   | 0.23%  | 0.007% |
| 216 | 13.425 | 13.419 | 13.439 | VV | 587    | 6352    | 0.09%  | 0.003% |
| 217 | 13.458 | 13.439 | 13.500 | VV | 588    | 11121   | 0.16%  | 0.005% |
| 218 | 13.518 | 13.500 | 13.527 | PV | 332    | 3436    | 0.05%  | 0.001% |
| 219 | 13.565 | 13.527 | 13.577 | VV | 841    | 16728   | 0.24%  | 0.007% |
| 220 | 13.594 | 13.577 | 13.612 | VV | 853    | 14614   | 0.21%  | 0.006% |
| 221 | 13.629 | 13.612 | 13.651 | VV | 569    | 10509   | 0.15%  | 0.004% |
| 222 | 13.659 | 13.651 | 13.682 | VV | 512    | 6837    | 0.10%  | 0.003% |
| 223 | 13.704 | 13.682 | 13.721 | VV | 876    | 12506   | 0.18%  | 0.005% |
| 224 | 13.771 | 13.721 | 13.779 | VV | 1316   | 31313   | 0.45%  | 0.013% |
| 225 | 13.802 | 13.779 | 13.846 | VV | 1480   | 35996   | 0.51%  | 0.015% |
| 226 | 13.900 | 13.846 | 13.942 | VV | 4316   | 79856   | 1.14%  | 0.033% |
| 227 | 13.958 | 13.942 | 14.022 | VV | 1748   | 52695   | 0.75%  | 0.022% |
| 228 | 14.045 | 14.022 | 14.076 | VV | 1159   | 23585   | 0.34%  | 0.010% |
| 229 | 14.082 | 14.076 | 14.092 | VV | 483    | 3666    | 0.05%  | 0.002% |
| 230 | 14.114 | 14.092 | 14.135 | VV | 912    | 15284   | 0.22%  | 0.006% |
| 231 | 14.153 | 14.135 | 14.173 | VV | 685    | 11394   | 0.16%  | 0.005% |
| 232 | 14.183 | 14.173 | 14.232 | VV | 453    | 8516    | 0.12%  | 0.003% |
| 233 | 14.270 | 14.232 | 14.277 | PV | 448    | 8447    | 0.12%  | 0.003% |
| 234 | 14.326 | 14.277 | 14.346 | VV | 765    | 21035   | 0.30%  | 0.009% |
| 235 | 14.366 | 14.346 | 14.382 | VV | 3051   | 45510   | 0.65%  | 0.019% |
| 236 | 14.402 | 14.382 | 14.417 | VV | 3734   | 63832   | 0.91%  | 0.026% |
| 237 | 14.436 | 14.417 | 14.461 | VV | 5501   | 83423   | 1.19%  | 0.034% |
| 238 | 14.482 | 14.461 | 14.552 | VV | 2189   | 66400   | 0.95%  | 0.027% |
| 239 | 14.573 | 14.552 | 14.607 | VV | 966    | 16558   | 0.24%  | 0.007% |
| 240 | 14.631 | 14.607 | 14.651 | VV | 671    | 9838    | 0.14%  | 0.004% |
| 241 | 14.679 | 14.651 | 14.689 | VV | 579    | 9569    | 0.14%  | 0.004% |
| 242 | 14.716 | 14.689 | 14.759 | VV | 828    | 19094   | 0.27%  | 0.008% |
| 243 | 14.816 | 14.759 | 14.892 | PV | 17725  | 429181  | 6.12%  | 0.176% |
| 244 | 14.903 | 14.892 | 14.928 | VV | 1979   | 35389   | 0.50%  | 0.015% |
| 245 | 14.953 | 14.928 | 14.973 | VV | 5102   | 77509   | 1.11%  | 0.032% |
| 246 | 14.993 | 14.973 | 15.021 | VV | 5810   | 96704   | 1.38%  | 0.040% |

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|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 247 | 15.030 | 15.021 | 15.062 | VV | 2245   | 36501  | 0.52%  | 0.015% |
| 248 | 15.077 | 15.062 | 15.102 | VV | 860    | 11293  | 0.16%  | 0.005% |
| 249 | 15.131 | 15.102 | 15.150 | PV | 1039   | 13900  | 0.20%  | 0.006% |
| 250 | 15.208 | 15.150 | 15.234 | VV | 848    | 33036  | 0.47%  | 0.014% |
| 251 | 15.278 | 15.234 | 15.296 | VV | 779    | 21363  | 0.30%  | 0.009% |
| 252 | 15.325 | 15.296 | 15.341 | VV | 1337   | 23214  | 0.33%  | 0.010% |
| 253 | 15.364 | 15.341 | 15.373 | VV | 1374   | 24333  | 0.35%  | 0.010% |
| 254 | 15.380 | 15.373 | 15.401 | VV | 1222   | 18343  | 0.26%  | 0.008% |
| 255 | 15.452 | 15.401 | 15.499 | VV | 9231   | 175311 | 2.50%  | 0.072% |
| 256 | 15.512 | 15.499 | 15.574 | VV | 1486   | 49213  | 0.70%  | 0.020% |
| 257 | 15.599 | 15.574 | 15.609 | VV | 2225   | 31584  | 0.45%  | 0.013% |
| 258 | 15.619 | 15.609 | 15.642 | VV | 2159   | 34450  | 0.49%  | 0.014% |
| 259 | 15.663 | 15.642 | 15.676 | VV | 1729   | 29290  | 0.42%  | 0.012% |
| 260 | 15.695 | 15.676 | 15.717 | VV | 2139   | 45555  | 0.65%  | 0.019% |
| 261 | 15.731 | 15.717 | 15.756 | VV | 2243   | 41787  | 0.60%  | 0.017% |
| 262 | 15.776 | 15.756 | 15.791 | VV | 2199   | 36583  | 0.52%  | 0.015% |
| 263 | 15.827 | 15.791 | 15.874 | VV | 3023   | 116187 | 1.66%  | 0.048% |
| 264 | 15.931 | 15.874 | 15.965 | VV | 15786  | 361465 | 5.15%  | 0.148% |
| 265 | 16.000 | 15.965 | 16.021 | VV | 3791   | 106291 | 1.52%  | 0.044% |
| 266 | 16.041 | 16.021 | 16.059 | VV | 3316   | 70064  | 1.00%  | 0.029% |
| 267 | 16.079 | 16.059 | 16.092 | VV | 3556   | 65123  | 0.93%  | 0.027% |
| 268 | 16.102 | 16.092 | 16.136 | VV | 3306   | 72205  | 1.03%  | 0.030% |
| 269 | 16.160 | 16.136 | 16.175 | VV | 2901   | 58602  | 0.84%  | 0.024% |
| 270 | 16.199 | 16.175 | 16.209 | VV | 3144   | 55046  | 0.78%  | 0.023% |
| 271 | 16.234 | 16.209 | 16.256 | VV | 6282   | 127220 | 1.81%  | 0.052% |
| 272 | 16.301 | 16.256 | 16.332 | VV | 5944   | 215515 | 3.07%  | 0.088% |
| 273 | 16.395 | 16.332 | 16.446 | VV | 21467  | 577339 | 8.23%  | 0.237% |
| 274 | 16.459 | 16.446 | 16.491 | VV | 5642   | 138279 | 1.97%  | 0.057% |
| 275 | 16.517 | 16.491 | 16.533 | VV | 5962   | 135574 | 1.93%  | 0.056% |
| 276 | 16.557 | 16.533 | 16.576 | VV | 6766   | 157056 | 2.24%  | 0.064% |
| 277 | 16.585 | 16.576 | 16.605 | VV | 6938   | 113174 | 1.61%  | 0.046% |
| 278 | 16.669 | 16.605 | 16.714 | VV | 7886   | 437891 | 6.24%  | 0.179% |
| 279 | 16.744 | 16.714 | 16.766 | VV | 9114   | 236208 | 3.37%  | 0.097% |
| 280 | 16.777 | 16.766 | 16.787 | VV | 7319   | 91286  | 1.30%  | 0.037% |
| 281 | 16.792 | 16.787 | 16.811 | VV | 7087   | 94299  | 1.34%  | 0.039% |
| 282 | 16.844 | 16.811 | 16.874 | VV | 24714  | 519166 | 7.40%  | 0.213% |
| 283 | 16.894 | 16.874 | 16.912 | VV | 8335   | 177513 | 2.53%  | 0.073% |
| 284 | 16.937 | 16.912 | 16.947 | VV | 7737   | 157650 | 2.25%  | 0.065% |
| 285 | 16.993 | 16.947 | 17.035 | VV | 8749   | 414463 | 5.91%  | 0.170% |
| 286 | 17.070 | 17.035 | 17.093 | VV | 9577   | 288834 | 4.12%  | 0.118% |
| 287 | 17.138 | 17.093 | 17.148 | VV | 10135  | 308994 | 4.41%  | 0.127% |
| 288 | 17.167 | 17.148 | 17.184 | VV | 10734  | 221710 | 3.16%  | 0.091% |
| 289 | 17.235 | 17.184 | 17.251 | VV | 12704  | 457178 | 6.52%  | 0.187% |
| 290 | 17.279 | 17.251 | 17.316 | VV | 30777  | 690864 | 9.85%  | 0.283% |
| 291 | 17.365 | 17.316 | 17.402 | VV | 20781  | 761145 | 10.85% | 0.312% |
| 292 | 17.412 | 17.402 | 17.442 | VV | 14545  | 330065 | 4.71%  | 0.135% |
| 293 | 17.489 | 17.442 | 17.503 | VV | 14142  | 487205 | 6.95%  | 0.200% |
| 294 | 17.556 | 17.503 | 17.591 | VV | 16811  | 778227 | 11.10% | 0.319% |
| 295 | 17.641 | 17.591 | 17.664 | VV | 20065  | 772461 | 11.02% | 0.317% |
| 296 | 17.699 | 17.664 | 17.719 | VV | 36751  | 871969 | 12.43% | 0.357% |
| 297 | 17.729 | 17.719 | 17.761 | VV | 24900  | 531851 | 7.58%  | 0.218% |
| 298 | 17.768 | 17.761 | 17.789 | VV | 19034  | 317766 | 4.53%  | 0.130% |
| 299 | 17.831 | 17.789 | 17.844 | VV | 19316  | 615222 | 8.77%  | 0.252% |

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|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 300 | 17.862 | 17.844 | 17.897 | VV | 19399  | 593975  | 8.47%  | 0.243% |
| 301 | 17.919 | 17.897 | 17.934 | VV | 20250  | 438719  | 6.26%  | 0.180% |
| 302 | 17.961 | 17.934 | 17.978 | VV | 21130  | 538679  | 7.68%  | 0.221% |
| 303 | 18.106 | 17.978 | 18.130 | VV | 33988  | 2055862 | 29.32% | 0.843% |
| 304 | 18.149 | 18.130 | 18.172 | VV | 28346  | 639164  | 9.11%  | 0.262% |
| 305 | 18.195 | 18.172 | 18.215 | VV | 28206  | 653274  | 9.32%  | 0.268% |
| 306 | 18.222 | 18.215 | 18.245 | VV | 26483  | 461594  | 6.58%  | 0.189% |
| 307 | 18.255 | 18.245 | 18.267 | VV | 23900  | 313404  | 4.47%  | 0.128% |
| 308 | 18.338 | 18.267 | 18.375 | VV | 27271  | 1653892 | 23.59% | 0.678% |
| 309 | 18.506 | 18.375 | 18.542 | VV | 40610  | 3264727 | 46.56% | 1.338% |
| 310 | 18.552 | 18.542 | 18.576 | VV | 34594  | 681149  | 9.71%  | 0.279% |
| 311 | 18.606 | 18.576 | 18.629 | VV | 34540  | 1051290 | 14.99% | 0.431% |
| 312 | 18.698 | 18.629 | 18.725 | VV | 35479  | 1938249 | 27.64% | 0.794% |
| 313 | 18.792 | 18.725 | 18.801 | VV | 36112  | 1578884 | 22.52% | 0.647% |
| 314 | 18.887 | 18.801 | 18.935 | VV | 46110  | 3208804 | 45.76% | 1.315% |
| 315 | 18.946 | 18.935 | 18.966 | VV | 43354  | 775687  | 11.06% | 0.318% |
| 316 | 18.981 | 18.966 | 18.992 | VV | 42483  | 671366  | 9.57%  | 0.275% |
| 317 | 19.011 | 18.992 | 19.036 | VV | 43565  | 1086656 | 15.50% | 0.445% |
| 318 | 19.110 | 19.036 | 19.126 | VV | 45852  | 2352310 | 33.55% | 0.964% |
| 319 | 19.175 | 19.126 | 19.209 | VV | 51653  | 2396610 | 34.18% | 0.982% |
| 320 | 19.261 | 19.209 | 19.287 | VV | 56639  | 2436660 | 34.75% | 0.999% |
| 321 | 19.299 | 19.287 | 19.317 | VV | 50794  | 891636  | 12.72% | 0.365% |
| 322 | 19.373 | 19.317 | 19.397 | VV | 55234  | 2460267 | 35.09% | 1.008% |
| 323 | 19.416 | 19.397 | 19.433 | VV | 54869  | 1131637 | 16.14% | 0.464% |
| 324 | 19.470 | 19.433 | 19.489 | VV | 60670  | 1908989 | 27.22% | 0.782% |
| 325 | 19.498 | 19.489 | 19.512 | VV | 58483  | 769788  | 10.98% | 0.315% |
| 326 | 19.544 | 19.512 | 19.558 | VV | 58133  | 1590249 | 22.68% | 0.652% |
| 327 | 19.582 | 19.558 | 19.592 | VV | 59628  | 1200651 | 17.12% | 0.492% |
| 328 | 19.633 | 19.592 | 19.649 | VV | 66049  | 2126901 | 30.33% | 0.872% |
| 329 | 19.658 | 19.649 | 19.672 | VV | 64340  | 881970  | 12.58% | 0.361% |
| 330 | 19.724 | 19.672 | 19.745 | VV | 69193  | 2861351 | 40.80% | 1.173% |
| 331 | 19.777 | 19.745 | 19.796 | VV | 71918  | 2140952 | 30.53% | 0.877% |
| 332 | 19.804 | 19.796 | 19.819 | VV | 69378  | 942040  | 13.43% | 0.386% |
| 333 | 19.834 | 19.819 | 19.884 | VV | 73153  | 2692751 | 38.40% | 1.104% |
| 334 | 19.919 | 19.884 | 19.932 | VV | 70602  | 1962506 | 27.99% | 0.804% |
| 335 | 19.974 | 19.932 | 19.998 | VV | 79566  | 2922013 | 41.67% | 1.198% |
| 336 | 20.024 | 19.998 | 20.037 | VV | 80116  | 1845505 | 26.32% | 0.756% |
| 337 | 20.089 | 20.037 | 20.108 | VV | 84484  | 3407299 | 48.59% | 1.396% |
| 338 | 20.121 | 20.108 | 20.131 | VV | 81001  | 1100110 | 15.69% | 0.451% |
| 339 | 20.141 | 20.131 | 20.180 | VV | 80713  | 2318731 | 33.07% | 0.950% |
| 340 | 20.190 | 20.180 | 20.200 | VV | 81474  | 961565  | 13.71% | 0.394% |
| 341 | 20.221 | 20.200 | 20.248 | VV | 82637  | 2330194 | 33.23% | 0.955% |
| 342 | 20.273 | 20.248 | 20.282 | VV | 84396  | 1704256 | 24.30% | 0.698% |
| 343 | 20.318 | 20.282 | 20.356 | VV | 89871  | 3833926 | 54.67% | 1.571% |
| 344 | 20.364 | 20.356 | 20.386 | VV | 90636  | 1596744 | 22.77% | 0.654% |
| 345 | 20.394 | 20.386 | 20.414 | VV | 88578  | 1469250 | 20.95% | 0.602% |
| 346 | 20.435 | 20.414 | 20.457 | VV | 85685  | 2183937 | 31.14% | 0.895% |
| 347 | 20.478 | 20.457 | 20.494 | VV | 86001  | 1864549 | 26.59% | 0.764% |
| 348 | 20.519 | 20.494 | 20.529 | VV | 86026  | 1782618 | 25.42% | 0.731% |
| 349 | 20.534 | 20.529 | 20.569 | VV | 85690  | 1993766 | 28.43% | 0.817% |
| 350 | 20.587 | 20.569 | 20.596 | VV | 82680  | 1332871 | 19.01% | 0.546% |
| 351 | 20.615 | 20.596 | 20.631 | VV | 82167  | 1671311 | 23.83% | 0.685% |

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| rteres                  |        |        |        |     |       |           |        |        |  |
|-------------------------|--------|--------|--------|-----|-------|-----------|--------|--------|--|
| 352                     | 20.650 | 20.631 | 20.667 | VV  | 79012 | 1702387   | 24.28% | 0.698% |  |
| 353                     | 20.678 | 20.667 | 20.714 | VV  | 81412 | 2268711   | 32.35% | 0.930% |  |
| 354                     | 20.724 | 20.714 | 20.769 | VV  | 81085 | 2648747   | 37.77% | 1.086% |  |
| 355                     | 20.790 | 20.769 | 20.807 | VV  | 84381 | 1870709   | 26.68% | 0.767% |  |
| 356                     | 20.832 | 20.807 | 20.850 | VV  | 84580 | 2111510   | 30.11% | 0.865% |  |
| 357                     | 20.858 | 20.850 | 20.882 | VV  | 83430 | 1556490   | 22.20% | 0.638% |  |
| 358                     | 20.906 | 20.882 | 20.942 | VV  | 81518 | 2870654   | 40.94% | 1.176% |  |
| 359                     | 20.956 | 20.942 | 20.966 | VV  | 78626 | 1101897   | 15.71% | 0.452% |  |
| 360                     | 20.973 | 20.966 | 20.987 | VV  | 76952 | 945165    | 13.48% | 0.387% |  |
| 361                     | 20.998 | 20.987 | 21.009 | VV  | 74070 | 952502    | 13.58% | 0.390% |  |
| 362                     | 21.019 | 21.009 | 21.031 | VV  | 73112 | 924879    | 13.19% | 0.379% |  |
| 363                     | 21.042 | 21.031 | 21.062 | VV  | 73879 | 1378379   | 19.66% | 0.565% |  |
| 364                     | 21.088 | 21.062 | 21.104 | VV  | 74910 | 1826137   | 26.04% | 0.748% |  |
| 365                     | 21.122 | 21.104 | 21.159 | VV  | 75350 | 2420155   | 34.51% | 0.992% |  |
| 366                     | 21.198 | 21.159 | 21.213 | VV  | 77755 | 2456226   | 35.03% | 1.007% |  |
| 367                     | 21.231 | 21.213 | 21.317 | VV  | 76436 | 4520009   | 64.46% | 1.852% |  |
| 368                     | 21.326 | 21.317 | 21.364 | VV  | 69311 | 1877797   | 26.78% | 0.770% |  |
| 369                     | 21.386 | 21.364 | 21.401 | VBA | 66118 | 1473278   | 21.01% | 0.604% |  |
| Sum of corrected areas: |        |        |        |     |       | 244000286 |        |        |  |

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