

Instrument :  
FID\_C  
ClientSampleId :

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC081919AL\  
Data File : FC043000.D  
Signal(s) : FID1A.CH  
Acq On : 20 Aug 2019 2:45  
Sample : K4387-06D  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Manual Integrations  
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Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 080819.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         | 3.570       | 3.561        | 3.585      | PV       | 204            | 1699         | 0.01%          | 0.000%        |
| 2         | 3.624       | 3.585        | 3.657      | PV       | 1348           | 28673        | 0.21%          | 0.006%        |
| 3         | 3.670       | 3.657        | 3.682      | VV       | 1158           | 13871        | 0.10%          | 0.003%        |
| 4         | 3.696       | 3.682        | 3.732      | VV       | 3784           | 45280        | 0.33%          | 0.009%        |
| 5         | 3.754       | 3.732        | 3.792      | VV       | 1726           | 32511        | 0.24%          | 0.007%        |
| 6         | 3.812       | 3.792        | 3.865      | VV       | 6291           | 75008        | 0.55%          | 0.016%        |
| 7         | 3.873       | 3.865        | 3.907      | VV       | 681            | 8151         | 0.06%          | 0.002%        |
| 8         | 3.956       | 3.907        | 4.026      | PV       | 7757           | 103123       | 0.76%          | 0.022%        |
| 9         | 4.058       | 4.026        | 4.069      | VV       | 1033           | 16747        | 0.12%          | 0.004%        |
| 10        | 4.081       | 4.069        | 4.105      | VV       | 1148           | 21973        | 0.16%          | 0.005%        |
| 11        | 4.117       | 4.105        | 4.144      | VV       | 1128           | 19046        | 0.14%          | 0.004%        |
| 12        | 4.173       | 4.144        | 4.257      | VV       | 2438           | 68771        | 0.51%          | 0.014%        |
| 13        | 4.280       | 4.257        | 4.289      | VV       | 1208           | 16160        | 0.12%          | 0.003%        |
| 14        | 4.307       | 4.289        | 4.388      | VV       | 7257           | 129559       | 0.96%          | 0.027%        |
| 15        | 4.405       | 4.388        | 4.441      | VV       | 899            | 21812        | 0.16%          | 0.005%        |
| 16        | 4.457       | 4.441        | 4.474      | VV       | 882            | 12850        | 0.09%          | 0.003%        |
| 17        | 4.500       | 4.474        | 4.542      | VV       | 17918          | 200933       | 1.48%          | 0.042%        |
| 18        | 4.565       | 4.542        | 4.579      | VV       | 1145           | 21724        | 0.16%          | 0.005%        |
| 19        | 4.593       | 4.579        | 4.617      | VV       | 1421           | 25366        | 0.19%          | 0.005%        |
| 20        | 4.630       | 4.617        | 4.652      | VV       | 1473           | 19696        | 0.15%          | 0.004%        |
| 21        | 4.665       | 4.652        | 4.682      | VV       | 756            | 11544        | 0.09%          | 0.002%        |
| 22        | 4.695       | 4.682        | 4.719      | VV       | 1526           | 19996        | 0.15%          | 0.004%        |
| 23        | 4.732       | 4.719        | 4.758      | VV       | 989            | 15758        | 0.12%          | 0.003%        |
| 24        | 4.780       | 4.758        | 4.867      | VV       | 12750          | 261461       | 1.93%          | 0.055%        |
| 25        | 4.884       | 4.867        | 4.946      | VV       | 4006           | 80270        | 0.59%          | 0.017%        |
| 26        | 4.965       | 4.946        | 5.014      | VV       | 1519           | 32930        | 0.24%          | 0.007%        |
| 27        | 5.020       | 5.014        | 5.050      | VV       | 423            | 5551         | 0.04%          | 0.001%        |
| 28        | 5.078       | 5.050        | 5.100      | PV       | 864            | 15970        | 0.12%          | 0.003%        |
| 29        | 5.123       | 5.100        | 5.134      | VV       | 5663           | 60714        | 0.45%          | 0.013%        |
| 30        | 5.145       | 5.134        | 5.193      | VV       | 5407           | 95670        | 0.71%          | 0.020%        |
| 31        | 5.234       | 5.193        | 5.263      | VV       | 1971           | 63049        | 0.46%          | 0.013%        |
| 32        | 5.270       | 5.263        | 5.341      | VV       | 1680           | 51814        | 0.38%          | 0.011%        |
| 33        | 5.361       | 5.341        | 5.422      | VV       | 1424           | 47164        | 0.35%          | 0.010%        |
| 34        | 5.448       | 5.422        | 5.484      | VV       | 1917           | 38678        | 0.29%          | 0.008%        |
| 35        | 5.514       | 5.484        | 5.524      | VV       | 2012           | 32802        | 0.24%          | 0.007%        |
| 36        | 5.535       | 5.524        | 5.557      | VV       | 2305           | 29261        | 0.22%          | 0.006%        |

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|    |       |       |       |    | rt    | Area   | Area% | Height |
|----|-------|-------|-------|----|-------|--------|-------|--------|
| 37 | 5.585 | 5.557 | 5.604 | VV | 2185  | 41034  | 0.30% | 0.009% |
| 38 | 5.636 | 5.604 | 5.687 | VV | 4716  | 157460 | 1.16% | 0.033% |
| 39 | 5.697 | 5.687 | 5.716 | VV | 1830  | 22192  | 0.16% | 0.005% |
| 40 | 5.743 | 5.716 | 5.789 | VV | 1417  | 45484  | 0.34% | 0.010% |
| 41 | 5.798 | 5.789 | 5.834 | VV | 854   | 17111  | 0.13% | 0.004% |
| 42 | 5.858 | 5.834 | 5.881 | VV | 2872  | 37341  | 0.28% | 0.008% |
| 43 | 5.890 | 5.881 | 5.909 | VV | 698   | 8320   | 0.06% | 0.002% |
| 44 | 5.936 | 5.909 | 5.948 | VV | 1807  | 21300  | 0.16% | 0.004% |
| 45 | 5.977 | 5.948 | 5.992 | VV | 1616  | 31441  | 0.23% | 0.007% |
| 46 | 6.002 | 5.992 | 6.017 | VV | 858   | 9923   | 0.07% | 0.002% |
| 47 | 6.033 | 6.017 | 6.064 | VV | 1183  | 17811  | 0.13% | 0.004% |
| 48 | 6.104 | 6.064 | 6.121 | VV | 1558  | 25569  | 0.19% | 0.005% |
| 49 | 6.146 | 6.121 | 6.156 | VV | 1764  | 24615  | 0.18% | 0.005% |
| 50 | 6.166 | 6.156 | 6.196 | VV | 1705  | 36136  | 0.27% | 0.008% |
| 51 | 6.204 | 6.196 | 6.214 | VV | 1272  | 12594  | 0.09% | 0.003% |
| 52 | 6.226 | 6.214 | 6.251 | VV | 1462  | 25150  | 0.19% | 0.005% |
| 53 | 6.271 | 6.251 | 6.319 | VV | 1978  | 34471  | 0.25% | 0.007% |
| 54 | 6.331 | 6.319 | 6.342 | VV | 164   | 1968   | 0.01% | 0.000% |
| 55 | 6.370 | 6.342 | 6.387 | VV | 422   | 8723   | 0.06% | 0.002% |
| 56 | 6.420 | 6.387 | 6.459 | VV | 646   | 17854  | 0.13% | 0.004% |
| 57 | 6.491 | 6.459 | 6.512 | VV | 7819  | 85764  | 0.63% | 0.018% |
| 58 | 6.529 | 6.512 | 6.561 | VV | 1310  | 25809  | 0.19% | 0.005% |
| 59 | 6.611 | 6.561 | 6.630 | VV | 1863  | 36952  | 0.27% | 0.008% |
| 60 | 6.648 | 6.630 | 6.671 | VV | 2520  | 29752  | 0.22% | 0.006% |
| 61 | 6.698 | 6.671 | 6.712 | VV | 1200  | 20123  | 0.15% | 0.004% |
| 62 | 6.728 | 6.712 | 6.751 | VV | 1571  | 22465  | 0.17% | 0.005% |
| 63 | 6.774 | 6.751 | 6.791 | VV | 813   | 15231  | 0.11% | 0.003% |
| 64 | 6.803 | 6.791 | 6.817 | VV | 941   | 12051  | 0.09% | 0.003% |
| 65 | 6.834 | 6.817 | 6.863 | VV | 1225  | 17910  | 0.13% | 0.004% |
| 66 | 6.887 | 6.863 | 6.922 | PV | 1115  | 22799  | 0.17% | 0.005% |
| 67 | 6.937 | 6.922 | 6.950 | VV | 427   | 5893   | 0.04% | 0.001% |
| 68 | 6.963 | 6.950 | 6.977 | VV | 338   | 4283   | 0.03% | 0.001% |
| 69 | 7.000 | 6.977 | 7.031 | VV | 1029  | 23463  | 0.17% | 0.005% |
| 70 | 7.043 | 7.031 | 7.057 | VV | 666   | 9376   | 0.07% | 0.002% |
| 71 | 7.084 | 7.057 | 7.102 | VV | 1434  | 30231  | 0.22% | 0.006% |
| 72 | 7.119 | 7.102 | 7.184 | VV | 1563  | 50315  | 0.37% | 0.011% |
| 73 | 7.209 | 7.184 | 7.234 | VV | 3076  | 47779  | 0.35% | 0.010% |
| 74 | 7.247 | 7.234 | 7.257 | VV | 860   | 10717  | 0.08% | 0.002% |
| 75 | 7.281 | 7.257 | 7.296 | VV | 4120  | 57714  | 0.43% | 0.012% |
| 76 | 7.316 | 7.296 | 7.345 | VV | 12481 | 147126 | 1.08% | 0.031% |
| 77 | 7.359 | 7.345 | 7.370 | VV | 601   | 8210   | 0.06% | 0.002% |
| 78 | 7.388 | 7.370 | 7.417 | VV | 899   | 19613  | 0.14% | 0.004% |
| 79 | 7.424 | 7.417 | 7.437 | VV | 697   | 7613   | 0.06% | 0.002% |
| 80 | 7.449 | 7.437 | 7.504 | VV | 885   | 23704  | 0.17% | 0.005% |
| 81 | 7.538 | 7.504 | 7.592 | VV | 6548  | 97460  | 0.72% | 0.020% |
| 82 | 7.607 | 7.592 | 7.632 | VV | 375   | 4577   | 0.03% | 0.001% |
| 83 | 7.668 | 7.632 | 7.685 | VV | 605   | 9005   | 0.07% | 0.002% |
| 84 | 7.700 | 7.685 | 7.719 | PV | 189   | 1649   | 0.01% | 0.000% |
| 85 | 7.949 | 7.883 | 8.002 | VV | 6480  | 173204 | 1.28% | 0.036% |
| 86 | 8.028 | 8.002 | 8.069 | VV | 1457  | 26058  | 0.19% | 0.005% |
| 87 | 8.101 | 8.069 | 8.120 | VV | 661   | 15566  | 0.11% | 0.003% |
| 88 | 8.198 | 8.120 | 8.207 | PV | 1548  | 44861  | 0.33% | 0.009% |
| 89 | 8.229 | 8.207 | 8.265 | VV | 8505  | 117854 | 0.87% | 0.025% |

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|     |        |        |        |    | rt    | Area    | Height | %Area  | %Height |
|-----|--------|--------|--------|----|-------|---------|--------|--------|---------|
| 90  | 8.298  | 8.265  | 8.322  | VV | 1932  | 40336   | 0.30%  | 0.008% |         |
| 91  | 8.333  | 8.322  | 8.345  | VV | 783   | 7486    | 0.06%  | 0.002% |         |
| 92  | 8.362  | 8.345  | 8.377  | VV | 1793  | 21019   | 0.15%  | 0.004% |         |
| 93  | 8.399  | 8.377  | 8.434  | VV | 11233 | 156190  | 1.15%  | 0.033% |         |
| 94  | 8.470  | 8.434  | 8.491  | VV | 7939  | 129845  | 0.96%  | 0.027% |         |
| 95  | 8.506  | 8.491  | 8.536  | VV | 2146  | 37119   | 0.27%  | 0.008% |         |
| 96  | 8.549  | 8.536  | 8.564  | VV | 959   | 10887   | 0.08%  | 0.002% |         |
| 97  | 8.607  | 8.564  | 8.629  | PV | 2648  | 53084   | 0.39%  | 0.011% |         |
| 98  | 8.752  | 8.738  | 8.779  | VV | 6682  | 116034  | 0.86%  | 0.024% |         |
| 99  | 8.799  | 8.779  | 8.826  | VV | 4266  | 90683   | 0.67%  | 0.019% |         |
| 100 | 8.859  | 8.826  | 8.884  | VV | 6044  | 136037  | 1.00%  | 0.028% |         |
| 101 | 8.906  | 8.884  | 8.939  | VV | 4256  | 85583   | 0.63%  | 0.018% |         |
| 102 | 8.973  | 8.939  | 8.984  | VV | 3098  | 62473   | 0.46%  | 0.013% |         |
| 103 | 9.010  | 8.984  | 9.020  | VV | 3017  | 61901   | 0.46%  | 0.013% |         |
| 104 | 9.040  | 9.020  | 9.057  | VV | 4321  | 81998   | 0.60%  | 0.017% |         |
| 105 | 9.082  | 9.057  | 9.111  | VV | 4297  | 119780  | 0.88%  | 0.025% |         |
| 106 | 9.142  | 9.111  | 9.159  | VV | 3996  | 101560  | 0.75%  | 0.021% |         |
| 107 | 9.178  | 9.159  | 9.204  | VV | 4987  | 102738  | 0.76%  | 0.022% |         |
| 108 | 9.246  | 9.204  | 9.266  | VV | 4252  | 142593  | 1.05%  | 0.030% |         |
| 109 | 9.296  | 9.266  | 9.307  | VV | 4769  | 109042  | 0.80%  | 0.023% |         |
| 110 | 9.357  | 9.307  | 9.386  | VV | 8454  | 280234  | 2.07%  | 0.059% |         |
| 111 | 9.467  | 9.386  | 9.489  | VV | 8830  | 412365  | 3.04%  | 0.086% |         |
| 112 | 9.548  | 9.489  | 9.582  | VV | 18243 | 575621  | 4.24%  | 0.121% |         |
| 113 | 9.630  | 9.582  | 9.641  | VV | 11992 | 354778  | 2.62%  | 0.074% |         |
| 114 | 9.655  | 9.641  | 9.669  | VV | 12071 | 193410  | 1.43%  | 0.040% |         |
| 115 | 9.681  | 9.669  | 9.696  | VV | 11707 | 178055  | 1.31%  | 0.037% |         |
| 116 | 9.702  | 9.696  | 9.722  | VV | 11090 | 171285  | 1.26%  | 0.036% |         |
| 117 | 9.750  | 9.722  | 9.769  | VV | 13687 | 337936  | 2.49%  | 0.071% |         |
| 118 | 9.782  | 9.769  | 9.793  | VV | 12573 | 175430  | 1.29%  | 0.037% |         |
| 119 | 9.823  | 9.793  | 9.844  | VV | 13497 | 389507  | 2.87%  | 0.082% |         |
| 120 | 9.887  | 9.844  | 9.906  | VV | 20260 | 605593  | 4.46%  | 0.127% |         |
| 121 | 9.939  | 9.906  | 9.967  | VV | 23341 | 704710  | 5.20%  | 0.148% |         |
| 122 | 10.000 | 9.967  | 10.009 | VV | 19869 | 469566  | 3.46%  | 0.098% |         |
| 123 | 10.028 | 10.009 | 10.041 | VV | 19859 | 369163  | 2.72%  | 0.077% |         |
| 124 | 10.059 | 10.041 | 10.075 | VV | 20502 | 398755  | 2.94%  | 0.083% |         |
| 125 | 10.095 | 10.075 | 10.109 | VV | 22542 | 433949  | 3.20%  | 0.091% |         |
| 126 | 10.136 | 10.109 | 10.166 | VV | 25465 | 802274  | 5.91%  | 0.168% |         |
| 127 | 10.196 | 10.166 | 10.216 | VV | 35989 | 858417  | 6.33%  | 0.180% |         |
| 128 | 10.232 | 10.216 | 10.251 | VV | 26897 | 547747  | 4.04%  | 0.115% |         |
| 129 | 10.308 | 10.251 | 10.332 | VV | 38723 | 1536065 | 11.32% | 0.322% |         |
| 130 | 10.368 | 10.332 | 10.387 | VV | 34435 | 1086510 | 8.01%  | 0.227% |         |
| 131 | 10.410 | 10.387 | 10.421 | VV | 37560 | 731446  | 5.39%  | 0.153% |         |
| 132 | 10.438 | 10.421 | 10.446 | VV | 39477 | 560378  | 4.13%  | 0.117% |         |
| 133 | 10.461 | 10.446 | 10.472 | VV | 39232 | 613298  | 4.52%  | 0.128% |         |
| 134 | 10.510 | 10.472 | 10.524 | VV | 41830 | 1243558 | 9.17%  | 0.260% |         |
| 135 | 10.547 | 10.524 | 10.568 | VV | 52314 | 1268369 | 9.35%  | 0.266% |         |
| 136 | 10.589 | 10.568 | 10.601 | VV | 47275 | 918580  | 6.77%  | 0.192% |         |
| 137 | 10.608 | 10.601 | 10.614 | VV | 46490 | 353826  | 2.61%  | 0.074% |         |
| 138 | 10.656 | 10.614 | 10.674 | VV | 51468 | 1761320 | 12.99% | 0.369% |         |
| 139 | 10.727 | 10.674 | 10.753 | VV | 91563 | 3015179 | 22.23% | 0.631% |         |
| 140 | 10.797 | 10.753 | 10.819 | VV | 68243 | 2402741 | 17.71% | 0.503% |         |
| 141 | 10.860 | 10.819 | 10.881 | VV | 66043 | 2321895 | 17.12% | 0.486% |         |

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|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 142    | 10.907 | 10.881 | 10.915 | VV | 68212  | 1363076  | 10.05%  | 0.285% |
| 143    | 10.934 | 10.915 | 10.967 | VV | 82886  | 2306754  | 17.01%  | 0.483% |
| 144    | 10.995 | 10.967 | 11.017 | VV | 82152  | 2286043  | 16.85%  | 0.479% |
| 145    | 11.042 | 11.017 | 11.072 | VV | 81814  | 2596934  | 19.15%  | 0.544% |
| 146    | 11.089 | 11.072 | 11.104 | VV | 80685  | 1497138  | 11.04%  | 0.313% |
| 147    | 11.145 | 11.104 | 11.179 | VV | 88720  | 3791154  | 27.95%  | 0.794% |
| 148    | 11.206 | 11.179 | 11.217 | VV | 87918  | 1995746  | 14.71%  | 0.418% |
| 149    | 11.223 | 11.217 | 11.233 | VV | 89015  | 852967   | 6.29%   | 0.179% |
| 150    | 11.292 | 11.233 | 11.312 | VV | 96342  | 4369439  | 32.21%  | 0.915% |
| 151    | 11.331 | 11.312 | 11.349 | VV | 102347 | 2173401  | 16.02%  | 0.455% |
| 152    | 11.381 | 11.349 | 11.389 | VV | 100578 | 2386447  | 17.59%  | 0.500% |
| 153    | 11.445 | 11.389 | 11.492 | VV | 139930 | 6928923  | 51.08%  | 1.451% |
| 154    | 11.511 | 11.492 | 11.534 | VV | 110518 | 2686725  | 19.81%  | 0.562% |
| 155    | 11.578 | 11.534 | 11.591 | VV | 112864 | 3725178  | 27.46%  | 0.780% |
| 156    | 11.682 | 11.591 | 11.714 | VV | 564213 | 13564028 | 100.00% | 2.840% |
| 157    | 11.734 | 11.714 | 11.749 | VV | 129219 | 2641361  | 19.47%  | 0.553% |
| 158    | 11.764 | 11.749 | 11.793 | VV | 132693 | 3447681  | 25.42%  | 0.722% |
| 159    | 11.828 | 11.793 | 11.842 | VV | 132579 | 3792701  | 27.96%  | 0.794% |
| 160    | 11.871 | 11.842 | 11.886 | VV | 137487 | 3468526  | 25.57%  | 0.726% |
| 161    | 11.903 | 11.886 | 11.916 | VV | 137144 | 2425183  | 17.88%  | 0.508% |
| 162    | 11.923 | 11.916 | 11.964 | VV | 136619 | 3819733  | 28.16%  | 0.800% |
| 163    | 11.987 | 11.964 | 12.024 | VV | 149508 | 5158888  | 38.03%  | 1.080% |
| 164    | 12.032 | 12.024 | 12.076 | VV | 141407 | 4180936  | 30.82%  | 0.875% |
| 165    | 12.095 | 12.076 | 12.107 | VV | 135015 | 2534315  | 18.68%  | 0.531% |
| 166    | 12.134 | 12.107 | 12.146 | VV | 141770 | 3212904  | 23.69%  | 0.673% |
| 167    | 12.174 | 12.146 | 12.206 | VV | 142682 | 5039510  | 37.15%  | 1.055% |
| 168    | 12.224 | 12.206 | 12.252 | VV | 141639 | 3777709  | 27.85%  | 0.791% |
| 169    | 12.296 | 12.252 | 12.316 | VV | 145132 | 5381909  | 39.68%  | 1.127% |
| 170    | 12.333 | 12.316 | 12.380 | VV | 147190 | 5303979  | 39.10%  | 1.110% |
| 171    | 12.401 | 12.380 | 12.412 | VV | 138758 | 2620955  | 19.32%  | 0.549% |
| 172    | 12.432 | 12.412 | 12.440 | VV | 142997 | 2286688  | 16.86%  | 0.479% |
| 173    | 12.455 | 12.440 | 12.497 | VV | 152909 | 4773502  | 35.19%  | 0.999% |
| 174    | 12.519 | 12.497 | 12.557 | VV | 134538 | 4743198  | 34.97%  | 0.993% |
| 175    | 12.576 | 12.557 | 12.607 | VV | 131778 | 3866953  | 28.51%  | 0.810% |
| 176    | 12.619 | 12.607 | 12.632 | VV | 132058 | 1880054  | 13.86%  | 0.394% |
| 177    | 12.654 | 12.632 | 12.675 | VV | 135726 | 3389124  | 24.99%  | 0.710% |
| 178    | 12.684 | 12.675 | 12.705 | VV | 129124 | 2314882  | 17.07%  | 0.485% |
| 179    | 12.718 | 12.705 | 12.727 | VV | 129407 | 1677186  | 12.36%  | 0.351% |
| 180    | 12.747 | 12.727 | 12.766 | VV | 142976 | 3127343  | 23.06%  | 0.655% |
| 181    | 12.770 | 12.766 | 12.894 | VV | 138977 | 9413360  | 69.40%  | 1.971% |
| 182    | 12.930 | 12.894 | 12.952 | VV | 119187 | 4076624  | 30.05%  | 0.853% |
| 183    | 12.992 | 12.952 | 13.026 | VV | 126057 | 5121848  | 37.76%  | 1.072% |
| 184    | 13.043 | 13.026 | 13.072 | VV | 125915 | 3243503  | 23.91%  | 0.679% |
| 185    | 13.104 | 13.072 | 13.164 | VV | 455443 | 10111296 | 74.54%  | 2.117% |
| 186    | 13.179 | 13.164 | 13.196 | VV | 108735 | 2004767  | 14.78%  | 0.420% |
| 187    | 13.213 | 13.196 | 13.237 | VV | 113528 | 2706551  | 19.95%  | 0.567% |
| 188    | 13.252 | 13.237 | 13.274 | VV | 105624 | 2284304  | 16.84%  | 0.478% |
| 189    | 13.314 | 13.274 | 13.402 | VV | 114688 | 7992280  | 58.92%  | 1.673% |
| 190    | 13.445 | 13.402 | 13.475 | VV | 102646 | 4285203  | 31.59%  | 0.897% |
| 191    | 13.495 | 13.475 | 13.517 | VV | 101026 | 2493382  | 18.38%  | 0.522% |
| 192    | 13.554 | 13.517 | 13.575 | VV | 100731 | 3322424  | 24.49%  | 0.696% |
| 193    | 13.586 | 13.575 | 13.606 | VV | 98605  | 1763378  | 13.00%  | 0.369% |
| 194    | 13.618 | 13.606 | 13.627 | VV | 91399  | 1114428  | 8.22%   | 0.233% |

Instrument :  
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Manual Integrations  
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| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 195    | 13.647 | 13.627 | 13.675 | VV | 92620 | 2610347 | 19.24% | 0.547% |
| 196    | 13.703 | 13.675 | 13.732 | VV | 90662 | 3029465 | 22.33% | 0.634% |
| 197    | 13.758 | 13.732 | 13.794 | VV | 93942 | 3245556 | 23.93% | 0.679% |
| 198    | 13.804 | 13.794 | 13.826 | VV | 85948 | 1611527 | 11.88% | 0.337% |
| 199    | 13.858 | 13.826 | 13.954 | VV | 90973 | 6340327 | 46.74% | 1.327% |
| 200    | 13.962 | 13.954 | 13.981 | VV | 76124 | 1211451 | 8.93%  | 0.254% |
| 201    | 14.000 | 13.981 | 14.031 | VV | 81570 | 2350013 | 17.33% | 0.492% |
| 202    | 14.072 | 14.031 | 14.119 | VV | 86986 | 4079668 | 30.08% | 0.854% |
| 203    | 14.138 | 14.119 | 14.161 | VV | 72123 | 1723470 | 12.71% | 0.361% |
| 204    | 14.185 | 14.161 | 14.200 | VV | 72399 | 1673712 | 12.34% | 0.350% |
| 205    | 14.218 | 14.200 | 14.244 | VV | 82326 | 1949428 | 14.37% | 0.408% |
| 206    | 14.265 | 14.244 | 14.299 | VV | 74414 | 2374545 | 17.51% | 0.497% |
| 207    | 14.312 | 14.299 | 14.351 | VV | 72974 | 2170622 | 16.00% | 0.454% |
| 208    | 14.367 | 14.351 | 14.409 | VV | 73642 | 2353842 | 17.35% | 0.493% |
| 209    | 14.429 | 14.409 | 14.461 | VV | 77008 | 2096703 | 15.46% | 0.439% |
| 210    | 14.480 | 14.461 | 14.491 | VV | 63375 | 1120452 | 8.26%  | 0.235% |
| 211    | 14.497 | 14.491 | 14.519 | VV | 63622 | 1058099 | 7.80%  | 0.222% |
| 212    | 14.533 | 14.519 | 14.549 | VV | 61956 | 1105843 | 8.15%  | 0.232% |
| 213    | 14.569 | 14.549 | 14.591 | VV | 61505 | 1500303 | 11.06% | 0.314% |
| 214    | 14.605 | 14.591 | 14.652 | VV | 61564 | 2169330 | 15.99% | 0.454% |
| 215    | 14.672 | 14.652 | 14.686 | VV | 62953 | 1201773 | 8.86%  | 0.252% |
| 216    | 14.711 | 14.686 | 14.739 | VV | 72150 | 2038599 | 15.03% | 0.427% |
| 217    | 14.744 | 14.739 | 14.752 | VV | 56670 | 447908  | 3.30%  | 0.094% |
| 218    | 14.765 | 14.752 | 14.774 | VV | 57798 | 745145  | 5.49%  | 0.156% |
| 219    | 14.794 | 14.774 | 14.829 | VV | 64657 | 1917504 | 14.14% | 0.401% |
| 220    | 14.843 | 14.829 | 14.861 | VV | 54251 | 997643  | 7.36%  | 0.209% |
| 221    | 14.882 | 14.861 | 14.897 | VV | 60947 | 1242922 | 9.16%  | 0.260% |
| 222    | 14.915 | 14.897 | 14.937 | VV | 72093 | 1564002 | 11.53% | 0.327% |
| 223    | 14.952 | 14.937 | 14.996 | VV | 62391 | 2014416 | 14.85% | 0.422% |
| 224    | 15.024 | 14.996 | 15.066 | VV | 55316 | 2183254 | 16.10% | 0.457% |
| 225    | 15.083 | 15.066 | 15.109 | VV | 51538 | 1242173 | 9.16%  | 0.260% |
| 226    | 15.130 | 15.109 | 15.165 | VV | 49302 | 1585980 | 11.69% | 0.332% |
| 227    | 15.196 | 15.165 | 15.256 | VV | 59213 | 2653040 | 19.56% | 0.555% |
| 228    | 15.281 | 15.256 | 15.311 | VV | 49124 | 1541538 | 11.36% | 0.323% |
| 229    | 15.337 | 15.311 | 15.372 | VV | 63310 | 2012870 | 14.84% | 0.421% |
| 230    | 15.388 | 15.372 | 15.402 | VV | 46785 | 814038  | 6.00%  | 0.170% |
| 231    | 15.418 | 15.402 | 15.453 | VV | 50586 | 1399430 | 10.32% | 0.293% |
| 232    | 15.458 | 15.453 | 15.466 | VV | 44560 | 339244  | 2.50%  | 0.071% |
| 233    | 15.482 | 15.466 | 15.493 | VV | 46974 | 725671  | 5.35%  | 0.152% |
| 234    | 15.509 | 15.493 | 15.526 | VV | 45405 | 875378  | 6.45%  | 0.183% |
| 235    | 15.540 | 15.526 | 15.554 | VV | 44640 | 740648  | 5.46%  | 0.155% |
| 236    | 15.575 | 15.554 | 15.589 | VV | 55440 | 1020730 | 7.53%  | 0.214% |
| 237    | 15.602 | 15.589 | 15.663 | VV | 53629 | 1978080 | 14.58% | 0.414% |
| 238    | 15.687 | 15.663 | 15.727 | VV | 47021 | 1646029 | 12.14% | 0.345% |
| 239    | 15.775 | 15.727 | 15.782 | VV | 41151 | 1303367 | 9.61%  | 0.273% |
| 240    | 15.822 | 15.782 | 15.844 | VV | 43904 | 1570779 | 11.58% | 0.329% |
| 241    | 15.862 | 15.844 | 15.910 | VV | 44807 | 1602728 | 11.82% | 0.336% |
| 242    | 15.919 | 15.910 | 15.945 | VV | 37578 | 763051  | 5.63%  | 0.160% |
| 243    | 15.973 | 15.945 | 16.001 | VV | 49561 | 1425960 | 10.51% | 0.299% |
| 244    | 16.032 | 16.001 | 16.049 | VV | 49315 | 1277886 | 9.42%  | 0.268% |
| 245    | 16.060 | 16.049 | 16.097 | VV | 45827 | 1202593 | 8.87%  | 0.252% |
| 246    | 16.117 | 16.097 | 16.134 | VV | 42067 | 867887  | 6.40%  | 0.182% |

Instrument :  
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| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 247    | 16.172 | 16.134 | 16.209 | VV | 50122 | 1857699 | 13.70% | 0.389% |
| 248    | 16.231 | 16.209 | 16.244 | VV | 36656 | 749379  | 5.52%  | 0.157% |
| 249    | 16.306 | 16.244 | 16.337 | VV | 41095 | 2129119 | 15.70% | 0.446% |
| 250    | 16.350 | 16.337 | 16.388 | VV | 38923 | 1140098 | 8.41%  | 0.239% |
| 251    | 16.439 | 16.388 | 16.460 | VV | 60342 | 1977916 | 14.58% | 0.414% |
| 252    | 16.473 | 16.460 | 16.499 | VV | 47104 | 983365  | 7.25%  | 0.206% |
| 253    | 16.527 | 16.499 | 16.546 | VV | 45691 | 1180700 | 8.70%  | 0.247% |
| 254    | 16.579 | 16.546 | 16.596 | VV | 45927 | 1291548 | 9.52%  | 0.270% |
| 255    | 16.621 | 16.596 | 16.644 | VV | 54052 | 1335584 | 9.85%  | 0.280% |
| 256    | 16.656 | 16.644 | 16.702 | VV | 45725 | 1443849 | 10.64% | 0.302% |
| 257    | 16.723 | 16.702 | 16.762 | VV | 43679 | 1407941 | 10.38% | 0.295% |
| 258    | 16.800 | 16.762 | 16.837 | VV | 44005 | 1790738 | 13.20% | 0.375% |
| 259    | 16.882 | 16.837 | 16.944 | VV | 51625 | 2817410 | 20.77% | 0.590% |
| 260    | 16.958 | 16.944 | 16.975 | VV | 41763 | 756647  | 5.58%  | 0.158% |
| 261    | 17.007 | 16.975 | 17.026 | VV | 46137 | 1272184 | 9.38%  | 0.266% |
| 262    | 17.049 | 17.026 | 17.075 | VV | 43722 | 1232343 | 9.09%  | 0.258% |
| 263    | 17.096 | 17.075 | 17.121 | VV | 46309 | 1116751 | 8.23%  | 0.234% |
| 264    | 17.151 | 17.121 | 17.172 | VV | 45820 | 1294968 | 9.55%  | 0.271% |
| 265    | 17.199 | 17.172 | 17.221 | VV | 58355 | 1422639 | 10.49% | 0.298% |
| 266    | 17.235 | 17.221 | 17.258 | VV | 52877 | 1060570 | 7.82%  | 0.222% |
| 267    | 17.280 | 17.258 | 17.304 | VV | 43900 | 1144425 | 8.44%  | 0.240% |
| 268    | 17.324 | 17.304 | 17.334 | VV | 42767 | 760682  | 5.61%  | 0.159% |
| 269    | 17.357 | 17.334 | 17.377 | VV | 47095 | 1115891 | 8.23%  | 0.234% |
| 270    | 17.417 | 17.377 | 17.434 | VV | 42736 | 1381756 | 10.19% | 0.289% |
| 271    | 17.448 | 17.434 | 17.466 | VV | 44414 | 812981  | 5.99%  | 0.170% |
| 272    | 17.480 | 17.466 | 17.521 | VV | 46113 | 1376355 | 10.15% | 0.288% |
| 273    | 17.566 | 17.521 | 17.594 | VV | 51300 | 1858780 | 13.70% | 0.389% |
| 274    | 17.624 | 17.594 | 17.639 | VV | 53709 | 1255156 | 9.25%  | 0.263% |
| 275    | 17.653 | 17.639 | 17.679 | VV | 54695 | 1147922 | 8.46%  | 0.240% |
| 276    | 17.701 | 17.679 | 17.710 | VV | 43732 | 811584  | 5.98%  | 0.170% |
| 277    | 17.737 | 17.710 | 17.772 | VV | 54485 | 1735568 | 12.80% | 0.363% |
| 278    | 17.790 | 17.772 | 17.817 | VV | 45461 | 1151804 | 8.49%  | 0.241% |
| 279    | 17.836 | 17.817 | 17.854 | VV | 45223 | 940840  | 6.94%  | 0.197% |
| 280    | 17.881 | 17.854 | 17.912 | VV | 45901 | 1478544 | 10.90% | 0.310% |
| 281    | 17.989 | 17.912 | 18.049 | VV | 62883 | 3900013 | 28.75% | 0.817% |
| 282    | 18.111 | 18.049 | 18.123 | VV | 53528 | 2023139 | 14.92% | 0.424% |
| 283    | 18.151 | 18.123 | 18.222 | VV | 62490 | 3091929 | 22.80% | 0.647% |
| 284    | 18.241 | 18.222 | 18.295 | VV | 50937 | 1967245 | 14.50% | 0.412% |
| 285    | 18.321 | 18.295 | 18.339 | VV | 49297 | 1157081 | 8.53%  | 0.242% |
| 286    | 18.354 | 18.339 | 18.377 | VV | 43846 | 984065  | 7.25%  | 0.206% |
| 287    | 18.399 | 18.377 | 18.447 | VV | 56913 | 2041368 | 15.05% | 0.427% |
| 288    | 18.502 | 18.447 | 18.523 | VV | 52476 | 2113685 | 15.58% | 0.443% |
| 289    | 18.537 | 18.523 | 18.566 | VV | 48176 | 1187263 | 8.75%  | 0.249% |
| 290    | 18.590 | 18.566 | 18.631 | VV | 48767 | 1789173 | 13.19% | 0.375% |
| 291    | 18.669 | 18.631 | 18.691 | VV | 62565 | 1847342 | 13.62% | 0.387% |
| 292    | 18.706 | 18.691 | 18.774 | VV | 51016 | 2313421 | 17.06% | 0.484% |
| 293    | 18.794 | 18.774 | 18.811 | VV | 47477 | 985894  | 7.27%  | 0.206% |
| 294    | 18.851 | 18.811 | 18.862 | VV | 48939 | 1434409 | 10.58% | 0.300% |
| 295    | 18.871 | 18.862 | 18.894 | VV | 47396 | 864589  | 6.37%  | 0.181% |
| 296    | 18.919 | 18.894 | 18.958 | VV | 49630 | 1789425 | 13.19% | 0.375% |
| 297    | 18.998 | 18.958 | 19.041 | VV | 56985 | 2403712 | 17.72% | 0.503% |
| 298    | 19.061 | 19.041 | 19.076 | VV | 51224 | 1024841 | 7.56%  | 0.215% |
| 299    | 19.093 | 19.076 | 19.132 | VV | 56837 | 1735720 | 12.80% | 0.363% |

Instrument :  
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Manual Integrations  
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| rteres                  |        |        |        |     |       |         |           |        |
|-------------------------|--------|--------|--------|-----|-------|---------|-----------|--------|
| 300                     | 19.154 | 19.132 | 19.227 | VV  | 59085 | 2864381 | 21.12%    | 0.600% |
| 301                     | 19.235 | 19.227 | 19.274 | VV  | 47660 | 1256879 | 9.27%     | 0.263% |
| 302                     | 19.397 | 19.274 | 19.457 | VV  | 70865 | 5627078 | 41.49%    | 1.178% |
| 303                     | 19.492 | 19.457 | 19.506 | VV  | 54268 | 1441385 | 10.63%    | 0.302% |
| 304                     | 19.532 | 19.506 | 19.549 | VV  | 64113 | 1507994 | 11.12%    | 0.316% |
| 305                     | 19.556 | 19.549 | 19.602 | VV  | 58897 | 1701143 | 12.54%    | 0.356% |
| 306                     | 19.622 | 19.602 | 19.667 | VV  | 56232 | 1958221 | 14.44%    | 0.410% |
| 307                     | 19.702 | 19.667 | 19.716 | VV  | 52988 | 1462660 | 10.78%    | 0.306% |
| 308                     | 19.738 | 19.716 | 19.749 | VV  | 51483 | 1023542 | 7.55%     | 0.214% |
| 309                     | 19.772 | 19.749 | 19.814 | VV  | 73203 | 2412909 | 17.79%    | 0.505% |
| 310                     | 19.828 | 19.814 | 19.850 | VV  | 57381 | 1223345 | 9.02%     | 0.256% |
| 311                     | 19.868 | 19.850 | 19.914 | VV  | 58816 | 2098455 | 15.47%    | 0.439% |
| 312                     | 19.928 | 19.914 | 19.964 | VV  | 53810 | 1553605 | 11.45%    | 0.325% |
| 313                     | 20.007 | 19.964 | 20.024 | VV  | 66926 | 2059040 | 15.18%    | 0.431% |
| 314                     | 20.040 | 20.024 | 20.110 | VV  | 66400 | 3025935 | 22.31%    | 0.634% |
| 315                     | 20.135 | 20.110 | 20.169 | VV  | 66524 | 2067425 | 15.24%    | 0.433% |
| 316                     | 20.197 | 20.169 | 20.226 | VV  | 69515 | 2094543 | 15.44%    | 0.439% |
| 317                     | 20.248 | 20.226 | 20.269 | VV  | 61341 | 1528849 | 11.27%    | 0.320% |
| 318                     | 20.304 | 20.269 | 20.342 | VV  | 66050 | 2666461 | 19.66%    | 0.558% |
| 319                     | 20.366 | 20.342 | 20.376 | VV  | 61731 | 1190510 | 8.78%     | 0.249% |
| 320                     | 20.407 | 20.376 | 20.427 | VV  | 69842 | 2052800 | 15.13%    | 0.430% |
| 321                     | 20.448 | 20.427 | 20.482 | VV  | 71236 | 2161667 | 15.94%    | 0.453% |
| 322                     | 20.501 | 20.482 | 20.592 | VV  | 65709 | 3863330 | 28.48%    | 0.809% |
| 323                     | 20.627 | 20.592 | 20.649 | VV  | 56065 | 1847442 | 13.62%    | 0.387% |
| 324                     | 20.695 | 20.649 | 20.754 | VV  | 64546 | 3472086 | 25.60%    | 0.727% |
| 325                     | 20.784 | 20.754 | 20.802 | VV  | 52976 | 1432799 | 10.56%    | 0.300% |
| 326                     | 20.852 | 20.802 | 20.991 | VV  | 63965 | 5747899 | 42.38%    | 1.203% |
| 327                     | 21.016 | 20.991 | 21.049 | VV  | 46674 | 1533372 | 11.30%    | 0.321% |
| 328                     | 21.055 | 21.049 | 21.081 | VV  | 41773 | 756288  | 5.58%     | 0.158% |
| 329                     | 21.118 | 21.081 | 21.151 | VV  | 54103 | 1932661 | 14.25%    | 0.405% |
| 330                     | 21.166 | 21.151 | 21.272 | VV  | 44087 | 2929385 | 21.60%    | 0.613% |
| 331                     | 21.292 | 21.272 | 21.329 | VV  | 37657 | 1237002 | 9.12%     | 0.259% |
| 332                     | 21.354 | 21.329 | 21.367 | VV  | 38242 | 834799  | 6.15%     | 0.175% |
| 333                     | 21.390 | 21.367 | 21.418 | VV  | 42727 | 1205345 | 8.89%     | 0.252% |
| 334                     | 21.438 | 21.418 | 21.508 | VV  | 39262 | 1824653 | 13.45%    | 0.382% |
| 335                     | 21.519 | 21.508 | 21.535 | VV  | 29267 | 456256  | 3.36%     | 0.096% |
| 336                     | 21.577 | 21.535 | 21.626 | VV  | 34781 | 1656455 | 12.21%    | 0.347% |
| 337                     | 21.673 | 21.626 | 21.709 | VV  | 37633 | 1685883 | 12.43%    | 0.353% |
| 338                     | 21.724 | 21.709 | 21.752 | VV  | 33789 | 856720  | 6.32%     | 0.179% |
| 339                     | 21.764 | 21.752 | 21.881 | VBA | 33407 | 2159364 | 15.92%    | 0.452% |
| Sum of corrected areas: |        |        |        |     |       |         | 477643661 |        |

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