

Instrument :  
FID\_C  
ClientSampleId :

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC082319AL\  
Data File : FC043092.D  
Signal(s) : FID1A.CH  
Acq On : 23 Aug 2019 23:20  
Sample : K4489-07  
Misc :  
ALS Vial : 18 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         | 3.593       | 3.544        | 3.620      | PV       | 1612           | 29528        | 0.11%          | 0.003%        |
| 2         | 3.642       | 3.620        | 3.672      | VV       | 7527           | 91307        | 0.35%          | 0.008%        |
| 3         | 3.681       | 3.672        | 3.696      | VV       | 1970           | 18373        | 0.07%          | 0.002%        |
| 4         | 3.710       | 3.696        | 3.725      | VV       | 2488           | 24000        | 0.09%          | 0.002%        |
| 5         | 3.742       | 3.725        | 3.762      | VV       | 4029           | 38026        | 0.15%          | 0.004%        |
| 6         | 3.785       | 3.762        | 3.809      | VV       | 5603           | 53427        | 0.21%          | 0.005%        |
| 7         | 3.835       | 3.809        | 3.847      | VV       | 2035           | 22829        | 0.09%          | 0.002%        |
| 8         | 3.853       | 3.847        | 3.863      | VV       | 1558           | 12803        | 0.05%          | 0.001%        |
| 9         | 3.879       | 3.863        | 3.897      | VV       | 2501           | 37233        | 0.14%          | 0.003%        |
| 10        | 3.908       | 3.897        | 3.922      | VV       | 2234           | 24203        | 0.09%          | 0.002%        |
| 11        | 3.933       | 3.922        | 3.945      | VV       | 1995           | 18219        | 0.07%          | 0.002%        |
| 12        | 3.963       | 3.945        | 4.022      | VV       | 8842           | 156030       | 0.61%          | 0.014%        |
| 13        | 4.046       | 4.022        | 4.070      | VV       | 7269           | 105029       | 0.41%          | 0.010%        |
| 14        | 4.081       | 4.070        | 4.100      | VV       | 3633           | 36383        | 0.14%          | 0.003%        |
| 15        | 4.131       | 4.100        | 4.169      | VV       | 125280         | 1120101      | 4.34%          | 0.103%        |
| 16        | 4.176       | 4.169        | 4.184      | VV       | 1809           | 15094        | 0.06%          | 0.001%        |
| 17        | 4.220       | 4.184        | 4.242      | VV       | 3239           | 78377        | 0.30%          | 0.007%        |
| 18        | 4.261       | 4.242        | 4.281      | VV       | 29557          | 276404       | 1.07%          | 0.025%        |
| 19        | 4.301       | 4.281        | 4.335      | VV       | 16842          | 248143       | 0.96%          | 0.023%        |
| 20        | 4.353       | 4.335        | 4.414      | VV       | 12109          | 166794       | 0.65%          | 0.015%        |
| 21        | 4.441       | 4.414        | 4.462      | VV       | 22238          | 239981       | 0.93%          | 0.022%        |
| 22        | 4.480       | 4.462        | 4.500      | VV       | 11724          | 147620       | 0.57%          | 0.014%        |
| 23        | 4.536       | 4.500        | 4.562      | VV       | 8996           | 148943       | 0.58%          | 0.014%        |
| 24        | 4.575       | 4.562        | 4.586      | VV       | 2873           | 26971        | 0.10%          | 0.002%        |
| 25        | 4.599       | 4.586        | 4.620      | VV       | 3339           | 38186        | 0.15%          | 0.004%        |
| 26        | 4.635       | 4.620        | 4.653      | VV       | 1121           | 18001        | 0.07%          | 0.002%        |
| 27        | 4.674       | 4.653        | 4.710      | VV       | 18313          | 200413       | 0.78%          | 0.018%        |
| 28        | 4.727       | 4.710        | 4.763      | VV       | 3641           | 68598        | 0.27%          | 0.006%        |
| 29        | 4.774       | 4.763        | 4.787      | VV       | 2100           | 21709        | 0.08%          | 0.002%        |
| 30        | 4.808       | 4.787        | 4.839      | VV       | 49827          | 458979       | 1.78%          | 0.042%        |
| 31        | 4.874       | 4.839        | 4.887      | VV       | 12792          | 129557       | 0.50%          | 0.012%        |
| 32        | 4.907       | 4.887        | 4.932      | VV       | 101294         | 940672       | 3.65%          | 0.087%        |
| 33        | 4.956       | 4.932        | 4.992      | VV       | 9168           | 164175       | 0.64%          | 0.015%        |
| 34        | 5.017       | 4.992        | 5.038      | VV       | 2545           | 46709        | 0.18%          | 0.004%        |
| 35        | 5.073       | 5.038        | 5.084      | VV       | 3399           | 44395        | 0.17%          | 0.004%        |
| 36        | 5.105       | 5.084        | 5.140      | VV       | 54948          | 630768       | 2.45%          | 0.058%        |

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|    |       |       |       |    | rt    | Area   | Area% | Height |
|----|-------|-------|-------|----|-------|--------|-------|--------|
| 37 | 5.156 | 5.140 | 5.179 | VV | 7254  | 92943  | 0.36% | 0.009% |
| 38 | 5.205 | 5.179 | 5.228 | VV | 26614 | 287850 | 1.12% | 0.027% |
| 39 | 5.243 | 5.228 | 5.285 | VV | 4841  | 74651  | 0.29% | 0.007% |
| 40 | 5.326 | 5.285 | 5.366 | VV | 12543 | 174626 | 0.68% | 0.016% |
| 41 | 5.391 | 5.366 | 5.419 | VV | 2230  | 57625  | 0.22% | 0.005% |
| 42 | 5.449 | 5.419 | 5.486 | VV | 3466  | 69281  | 0.27% | 0.006% |
| 43 | 5.502 | 5.486 | 5.523 | VV | 1445  | 12821  | 0.05% | 0.001% |
| 44 | 5.553 | 5.523 | 5.574 | PV | 6955  | 88053  | 0.34% | 0.008% |
| 45 | 5.591 | 5.574 | 5.609 | VV | 4784  | 54720  | 0.21% | 0.005% |
| 46 | 5.624 | 5.609 | 5.652 | VV | 2547  | 34859  | 0.14% | 0.003% |
| 47 | 5.668 | 5.652 | 5.691 | VV | 1922  | 20201  | 0.08% | 0.002% |
| 48 | 5.708 | 5.691 | 5.720 | PV | 871   | 9042   | 0.04% | 0.001% |
| 49 | 5.746 | 5.720 | 5.800 | VV | 4807  | 100403 | 0.39% | 0.009% |
| 50 | 5.843 | 5.800 | 5.879 | VV | 4530  | 118002 | 0.46% | 0.011% |
| 51 | 5.891 | 5.879 | 5.907 | VV | 2514  | 25830  | 0.10% | 0.002% |
| 52 | 5.925 | 5.907 | 5.944 | VV | 2271  | 31192  | 0.12% | 0.003% |
| 53 | 5.961 | 5.944 | 5.988 | VV | 1489  | 27177  | 0.11% | 0.003% |
| 54 | 6.006 | 5.988 | 6.029 | VV | 1714  | 19026  | 0.07% | 0.002% |
| 55 | 6.068 | 6.029 | 6.089 | PV | 2771  | 54657  | 0.21% | 0.005% |
| 56 | 6.111 | 6.089 | 6.173 | VV | 22808 | 344461 | 1.34% | 0.032% |
| 57 | 6.199 | 6.173 | 6.217 | VV | 2749  | 53289  | 0.21% | 0.005% |
| 58 | 6.243 | 6.217 | 6.261 | VV | 5198  | 84659  | 0.33% | 0.008% |
| 59 | 6.275 | 6.261 | 6.305 | VV | 3111  | 56990  | 0.22% | 0.005% |
| 60 | 6.317 | 6.305 | 6.329 | VV | 1746  | 21163  | 0.08% | 0.002% |
| 61 | 6.345 | 6.329 | 6.360 | VV | 2588  | 40648  | 0.16% | 0.004% |
| 62 | 6.372 | 6.360 | 6.389 | VV | 2581  | 34984  | 0.14% | 0.003% |
| 63 | 6.405 | 6.389 | 6.425 | VV | 1554  | 26482  | 0.10% | 0.002% |
| 64 | 6.457 | 6.425 | 6.475 | VV | 2124  | 39480  | 0.15% | 0.004% |
| 65 | 6.488 | 6.475 | 6.502 | VV | 2346  | 26520  | 0.10% | 0.002% |
| 66 | 6.522 | 6.502 | 6.569 | VV | 6536  | 87123  | 0.34% | 0.008% |
| 67 | 6.586 | 6.569 | 6.600 | VV | 1738  | 19573  | 0.08% | 0.002% |
| 68 | 6.628 | 6.600 | 6.654 | VV | 2762  | 59106  | 0.23% | 0.005% |
| 69 | 6.668 | 6.654 | 6.700 | VV | 2736  | 61247  | 0.24% | 0.006% |
| 70 | 6.722 | 6.700 | 6.764 | VV | 3628  | 59927  | 0.23% | 0.006% |
| 71 | 6.803 | 6.764 | 6.825 | PV | 2726  | 55275  | 0.21% | 0.005% |
| 72 | 6.861 | 6.825 | 6.878 | VV | 3151  | 68078  | 0.26% | 0.006% |
| 73 | 6.897 | 6.878 | 6.912 | VV | 2515  | 39975  | 0.16% | 0.004% |
| 74 | 6.932 | 6.912 | 6.950 | VV | 4935  | 67027  | 0.26% | 0.006% |
| 75 | 6.959 | 6.950 | 6.977 | VV | 2172  | 26759  | 0.10% | 0.002% |
| 76 | 6.994 | 6.977 | 7.007 | VV | 2984  | 36007  | 0.14% | 0.003% |
| 77 | 7.027 | 7.007 | 7.039 | VV | 4417  | 58206  | 0.23% | 0.005% |
| 78 | 7.048 | 7.039 | 7.062 | VV | 3452  | 43706  | 0.17% | 0.004% |
| 79 | 7.087 | 7.062 | 7.109 | VV | 5233  | 108374 | 0.42% | 0.010% |
| 80 | 7.158 | 7.109 | 7.200 | VV | 29884 | 477221 | 1.85% | 0.044% |
| 81 | 7.214 | 7.200 | 7.229 | VV | 4360  | 66875  | 0.26% | 0.006% |
| 82 | 7.243 | 7.229 | 7.269 | VV | 5762  | 94331  | 0.37% | 0.009% |
| 83 | 7.290 | 7.269 | 7.310 | VV | 15150 | 179235 | 0.70% | 0.017% |
| 84 | 7.322 | 7.310 | 7.387 | VV | 4536  | 100236 | 0.39% | 0.009% |
| 85 | 7.439 | 7.387 | 7.477 | PV | 9920  | 169617 | 0.66% | 0.016% |
| 86 | 7.489 | 7.477 | 7.502 | VV | 1820  | 20401  | 0.08% | 0.002% |
| 87 | 7.526 | 7.502 | 7.552 | VV | 2957  | 59988  | 0.23% | 0.006% |
| 88 | 7.578 | 7.552 | 7.589 | VV | 3309  | 40540  | 0.16% | 0.004% |
| 89 | 7.621 | 7.589 | 7.654 | VV | 3629  | 84852  | 0.33% | 0.008% |

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|     |        |        |        |    | rt    | Area    | Area% | Height |
|-----|--------|--------|--------|----|-------|---------|-------|--------|
| 90  | 7.674  | 7.654  | 7.689  | VV | 1186  | 14247   | 0.06% | 0.001% |
| 91  | 7.705  | 7.689  | 7.715  | PV | 2252  | 23924   | 0.09% | 0.002% |
| 92  | 7.830  | 7.815  | 7.849  | VV | 4767  | 66697   | 0.26% | 0.006% |
| 93  | 7.878  | 7.849  | 7.945  | VV | 12245 | 264703  | 1.03% | 0.024% |
| 94  | 8.052  | 7.945  | 8.102  | PV | 14799 | 381486  | 1.48% | 0.035% |
| 95  | 8.127  | 8.102  | 8.172  | VV | 12875 | 300315  | 1.16% | 0.028% |
| 96  | 8.196  | 8.172  | 8.223  | VV | 8002  | 162419  | 0.63% | 0.015% |
| 97  | 8.244  | 8.223  | 8.262  | VV | 17646 | 211275  | 0.82% | 0.019% |
| 98  | 8.273  | 8.262  | 8.287  | VV | 10648 | 127593  | 0.49% | 0.012% |
| 99  | 8.303  | 8.287  | 8.341  | VV | 13801 | 214273  | 0.83% | 0.020% |
| 100 | 8.370  | 8.341  | 8.387  | VV | 20911 | 245140  | 0.95% | 0.023% |
| 101 | 8.411  | 8.387  | 8.420  | VV | 7629  | 134682  | 0.52% | 0.012% |
| 102 | 8.438  | 8.420  | 8.453  | VV | 16429 | 205099  | 0.80% | 0.019% |
| 103 | 8.473  | 8.453  | 8.506  | VV | 39787 | 501292  | 1.94% | 0.046% |
| 104 | 8.519  | 8.506  | 8.536  | VV | 4675  | 53639   | 0.21% | 0.005% |
| 105 | 8.579  | 8.536  | 8.605  | VV | 8626  | 191595  | 0.74% | 0.018% |
| 106 | 8.721  | 8.677  | 8.749  | VV | 78510 | 1101781 | 4.27% | 0.102% |
| 107 | 8.766  | 8.749  | 8.790  | VV | 41845 | 518464  | 2.01% | 0.048% |
| 108 | 8.805  | 8.790  | 8.814  | VV | 13753 | 159220  | 0.62% | 0.015% |
| 109 | 8.831  | 8.814  | 8.859  | VV | 29533 | 396027  | 1.54% | 0.037% |
| 110 | 8.874  | 8.859  | 8.897  | VV | 4885  | 91902   | 0.36% | 0.008% |
| 111 | 8.958  | 8.897  | 8.976  | VV | 23184 | 501201  | 1.94% | 0.046% |
| 112 | 8.995  | 8.976  | 9.020  | VV | 28156 | 426696  | 1.65% | 0.039% |
| 113 | 9.050  | 9.020  | 9.093  | VV | 14427 | 427246  | 1.66% | 0.039% |
| 114 | 9.120  | 9.093  | 9.152  | VV | 21754 | 372600  | 1.45% | 0.034% |
| 115 | 9.167  | 9.152  | 9.184  | VV | 12012 | 161790  | 0.63% | 0.015% |
| 116 | 9.201  | 9.184  | 9.240  | VV | 8876  | 187345  | 0.73% | 0.017% |
| 117 | 9.281  | 9.240  | 9.297  | VV | 9974  | 162618  | 0.63% | 0.015% |
| 118 | 9.317  | 9.297  | 9.326  | VV | 11137 | 149190  | 0.58% | 0.014% |
| 119 | 9.332  | 9.326  | 9.359  | VV | 10469 | 158772  | 0.62% | 0.015% |
| 120 | 9.371  | 9.359  | 9.384  | VV | 6141  | 86816   | 0.34% | 0.008% |
| 121 | 9.427  | 9.384  | 9.460  | VV | 16682 | 514061  | 1.99% | 0.047% |
| 122 | 9.501  | 9.460  | 9.550  | VV | 76933 | 1513287 | 5.87% | 0.140% |
| 123 | 9.595  | 9.550  | 9.610  | VV | 21386 | 569316  | 2.21% | 0.053% |
| 124 | 9.620  | 9.610  | 9.634  | VV | 15006 | 180325  | 0.70% | 0.017% |
| 125 | 9.651  | 9.634  | 9.665  | VV | 22929 | 322500  | 1.25% | 0.030% |
| 126 | 9.676  | 9.665  | 9.690  | VV | 18097 | 238028  | 0.92% | 0.022% |
| 127 | 9.726  | 9.690  | 9.760  | VV | 63635 | 1058887 | 4.11% | 0.098% |
| 128 | 9.824  | 9.760  | 9.855  | VV | 19962 | 714955  | 2.77% | 0.066% |
| 129 | 9.893  | 9.855  | 9.907  | VV | 24875 | 501405  | 1.94% | 0.046% |
| 130 | 9.919  | 9.907  | 9.940  | VV | 21092 | 336254  | 1.30% | 0.031% |
| 131 | 9.948  | 9.940  | 9.965  | VV | 11620 | 159383  | 0.62% | 0.015% |
| 132 | 9.989  | 9.965  | 10.000 | VV | 11842 | 225647  | 0.88% | 0.021% |
| 133 | 10.010 | 10.000 | 10.020 | VV | 11336 | 127834  | 0.50% | 0.012% |
| 134 | 10.028 | 10.020 | 10.047 | VV | 10882 | 150873  | 0.59% | 0.014% |
| 135 | 10.080 | 10.047 | 10.110 | VV | 13172 | 430444  | 1.67% | 0.040% |
| 136 | 10.133 | 10.110 | 10.152 | VV | 10791 | 254272  | 0.99% | 0.023% |
| 137 | 10.167 | 10.152 | 10.187 | VV | 13520 | 219292  | 0.85% | 0.020% |
| 138 | 10.211 | 10.187 | 10.225 | VV | 13971 | 268983  | 1.04% | 0.025% |
| 139 | 10.238 | 10.225 | 10.259 | VV | 16265 | 269249  | 1.04% | 0.025% |
| 140 | 10.283 | 10.259 | 10.303 | VV | 19648 | 417497  | 1.62% | 0.039% |
| 141 | 10.345 | 10.303 | 10.354 | VV | 20407 | 523920  | 2.03% | 0.048% |

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|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 142    | 10.377 | 10.354 | 10.398 | VV | 31373  | 626481   | 2.43%  | 0.058% |
| 143    | 10.422 | 10.398 | 10.455 | VV | 29749  | 725181   | 2.81%  | 0.067% |
| 144    | 10.492 | 10.455 | 10.535 | VV | 25738  | 931981   | 3.61%  | 0.086% |
| 145    | 10.558 | 10.535 | 10.582 | VV | 28671  | 678649   | 2.63%  | 0.063% |
| 146    | 10.625 | 10.582 | 10.644 | VV | 39505  | 1010273  | 3.92%  | 0.093% |
| 147    | 10.659 | 10.644 | 10.675 | VV | 23884  | 407561   | 1.58%  | 0.038% |
| 148    | 10.702 | 10.675 | 10.749 | VV | 52397  | 1421187  | 5.51%  | 0.131% |
| 149    | 10.770 | 10.749 | 10.782 | VV | 22868  | 411917   | 1.60%  | 0.038% |
| 150    | 10.797 | 10.782 | 10.815 | VV | 25177  | 424817   | 1.65%  | 0.039% |
| 151    | 10.900 | 10.815 | 10.950 | VV | 500836 | 6868454  | 26.64% | 0.634% |
| 152    | 10.974 | 10.950 | 11.000 | VV | 150279 | 2112607  | 8.19%  | 0.195% |
| 153    | 11.017 | 11.000 | 11.040 | VV | 38993  | 753854   | 2.92%  | 0.070% |
| 154    | 11.060 | 11.040 | 11.089 | VV | 26864  | 727621   | 2.82%  | 0.067% |
| 155    | 11.104 | 11.089 | 11.123 | VV | 28205  | 514231   | 1.99%  | 0.047% |
| 156    | 11.163 | 11.123 | 11.172 | VV | 31707  | 797714   | 3.09%  | 0.074% |
| 157    | 11.193 | 11.172 | 11.224 | VV | 64272  | 1310698  | 5.08%  | 0.121% |
| 158    | 11.262 | 11.224 | 11.274 | VV | 30472  | 878211   | 3.41%  | 0.081% |
| 159    | 11.291 | 11.274 | 11.306 | VV | 34497  | 639592   | 2.48%  | 0.059% |
| 160    | 11.324 | 11.306 | 11.347 | VV | 44936  | 838831   | 3.25%  | 0.077% |
| 161    | 11.361 | 11.347 | 11.375 | VV | 32120  | 493291   | 1.91%  | 0.046% |
| 162    | 11.418 | 11.375 | 11.449 | VV | 57522  | 1649211  | 6.40%  | 0.152% |
| 163    | 11.485 | 11.449 | 11.500 | VV | 35268  | 949250   | 3.68%  | 0.088% |
| 164    | 11.516 | 11.500 | 11.530 | VV | 33455  | 565233   | 2.19%  | 0.052% |
| 165    | 11.549 | 11.530 | 11.584 | VV | 43209  | 1139334  | 4.42%  | 0.105% |
| 166    | 11.650 | 11.584 | 11.674 | VV | 423931 | 5862102  | 22.74% | 0.541% |
| 167    | 11.697 | 11.674 | 11.712 | VV | 89269  | 1429607  | 5.54%  | 0.132% |
| 168    | 11.728 | 11.712 | 11.763 | VV | 97836  | 1840141  | 7.14%  | 0.170% |
| 169    | 11.812 | 11.763 | 11.830 | VV | 125899 | 2746751  | 10.65% | 0.253% |
| 170    | 11.845 | 11.830 | 11.859 | VV | 75869  | 1150592  | 4.46%  | 0.106% |
| 171    | 11.875 | 11.859 | 11.920 | VV | 84833  | 2009844  | 7.80%  | 0.185% |
| 172    | 11.950 | 11.920 | 11.963 | VV | 56450  | 1204306  | 4.67%  | 0.111% |
| 173    | 11.992 | 11.963 | 12.045 | VV | 64801  | 2508297  | 9.73%  | 0.231% |
| 174    | 12.070 | 12.045 | 12.090 | VV | 73182  | 1533257  | 5.95%  | 0.141% |
| 175    | 12.096 | 12.090 | 12.115 | VV | 56860  | 814312   | 3.16%  | 0.075% |
| 176    | 12.124 | 12.115 | 12.137 | VV | 52149  | 650870   | 2.52%  | 0.060% |
| 177    | 12.162 | 12.137 | 12.182 | VV | 81880  | 1672224  | 6.49%  | 0.154% |
| 178    | 12.200 | 12.182 | 12.212 | VV | 56839  | 981197   | 3.81%  | 0.091% |
| 179    | 12.233 | 12.212 | 12.243 | VV | 67926  | 1171079  | 4.54%  | 0.108% |
| 180    | 12.257 | 12.243 | 12.280 | VV | 71287  | 1401657  | 5.44%  | 0.129% |
| 181    | 12.304 | 12.280 | 12.343 | VV | 67302  | 2247953  | 8.72%  | 0.207% |
| 182    | 12.369 | 12.343 | 12.381 | VV | 68893  | 1406958  | 5.46%  | 0.130% |
| 183    | 12.417 | 12.381 | 12.462 | VV | 74403  | 3219379  | 12.49% | 0.297% |
| 184    | 12.483 | 12.462 | 12.529 | VV | 79109  | 2699228  | 10.47% | 0.249% |
| 185    | 12.561 | 12.529 | 12.572 | VV | 79825  | 1736802  | 6.74%  | 0.160% |
| 186    | 12.594 | 12.572 | 12.615 | VV | 103738 | 2227232  | 8.64%  | 0.205% |
| 187    | 12.629 | 12.615 | 12.647 | VV | 93510  | 1539210  | 5.97%  | 0.142% |
| 188    | 12.659 | 12.647 | 12.685 | VV | 82745  | 1708959  | 6.63%  | 0.158% |
| 189    | 12.718 | 12.685 | 12.775 | VV | 701844 | 11320169 | 43.91% | 1.044% |
| 190    | 12.791 | 12.775 | 12.819 | VV | 75384  | 1848029  | 7.17%  | 0.170% |
| 191    | 12.861 | 12.819 | 12.877 | VV | 78121  | 2539107  | 9.85%  | 0.234% |
| 192    | 12.900 | 12.877 | 12.922 | VV | 99360  | 2267510  | 8.79%  | 0.209% |
| 193    | 12.944 | 12.922 | 12.982 | VV | 81427  | 2738039  | 10.62% | 0.253% |
| 194    | 13.016 | 12.982 | 13.045 | VV | 633789 | 9245595  | 35.86% | 0.853% |

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| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 195    | 13.073 | 13.045 | 13.140 | VV | 386905 | 8986424  | 34.85% | 0.829% |
| 196    | 13.183 | 13.140 | 13.204 | VV | 102888 | 3159696  | 12.25% | 0.291% |
| 197    | 13.222 | 13.204 | 13.260 | VV | 101098 | 3116312  | 12.09% | 0.287% |
| 198    | 13.282 | 13.260 | 13.309 | VV | 113972 | 2789527  | 10.82% | 0.257% |
| 199    | 13.336 | 13.309 | 13.387 | VV | 89258  | 3879779  | 15.05% | 0.358% |
| 200    | 13.409 | 13.387 | 13.444 | VV | 108934 | 3158898  | 12.25% | 0.291% |
| 201    | 13.470 | 13.444 | 13.497 | VV | 115242 | 3176838  | 12.32% | 0.293% |
| 202    | 13.521 | 13.497 | 13.535 | VV | 91950  | 2052819  | 7.96%  | 0.189% |
| 203    | 13.599 | 13.535 | 13.640 | VV | 182782 | 7175561  | 27.83% | 0.662% |
| 204    | 13.658 | 13.640 | 13.677 | VV | 105552 | 2209742  | 8.57%  | 0.204% |
| 205    | 13.705 | 13.677 | 13.729 | VV | 163310 | 3780199  | 14.66% | 0.349% |
| 206    | 13.749 | 13.729 | 13.766 | VV | 139907 | 2754483  | 10.68% | 0.254% |
| 207    | 13.780 | 13.766 | 13.812 | VV | 127463 | 3057891  | 11.86% | 0.282% |
| 208    | 13.883 | 13.812 | 13.904 | VV | 243534 | 7832369  | 30.38% | 0.722% |
| 209    | 13.918 | 13.904 | 13.959 | VV | 132958 | 3765475  | 14.60% | 0.347% |
| 210    | 13.991 | 13.959 | 14.015 | VV | 109023 | 3579571  | 13.88% | 0.330% |
| 211    | 14.046 | 14.015 | 14.082 | VV | 144545 | 4690399  | 18.19% | 0.433% |
| 212    | 14.113 | 14.082 | 14.167 | VV | 464145 | 9598721  | 37.23% | 0.885% |
| 213    | 14.214 | 14.167 | 14.234 | VV | 118529 | 4576220  | 17.75% | 0.422% |
| 214    | 14.304 | 14.234 | 14.324 | VV | 181009 | 7409689  | 28.74% | 0.684% |
| 215    | 14.341 | 14.324 | 14.389 | VV | 151520 | 5174000  | 20.07% | 0.477% |
| 216    | 14.412 | 14.389 | 14.422 | VV | 133853 | 2581021  | 10.01% | 0.238% |
| 217    | 14.461 | 14.422 | 14.495 | VV | 272292 | 7436442  | 28.84% | 0.686% |
| 218    | 14.514 | 14.495 | 14.550 | VV | 169637 | 4876343  | 18.91% | 0.450% |
| 219    | 14.578 | 14.550 | 14.609 | VV | 202226 | 5820678  | 22.58% | 0.537% |
| 220    | 14.651 | 14.609 | 14.677 | VV | 171086 | 6324545  | 24.53% | 0.583% |
| 221    | 14.694 | 14.677 | 14.715 | VV | 146183 | 3219723  | 12.49% | 0.297% |
| 222    | 14.736 | 14.715 | 14.755 | VV | 145566 | 3418691  | 13.26% | 0.315% |
| 223    | 14.769 | 14.755 | 14.792 | VV | 154157 | 3286002  | 12.74% | 0.303% |
| 224    | 14.801 | 14.792 | 14.807 | VV | 147214 | 1288716  | 5.00%  | 0.119% |
| 225    | 14.819 | 14.807 | 14.837 | VV | 150501 | 2616537  | 10.15% | 0.241% |
| 226    | 14.891 | 14.837 | 14.911 | VV | 437695 | 10653363 | 41.32% | 0.983% |
| 227    | 14.933 | 14.911 | 14.963 | VV | 448548 | 8384190  | 32.52% | 0.773% |
| 228    | 15.002 | 14.963 | 15.020 | VV | 164319 | 5449695  | 21.14% | 0.503% |
| 229    | 15.054 | 15.020 | 15.114 | VV | 235636 | 10176018 | 39.47% | 0.939% |
| 230    | 15.120 | 15.114 | 15.132 | VV | 166560 | 1800747  | 6.98%  | 0.166% |
| 231    | 15.143 | 15.132 | 15.164 | VV | 174663 | 3172863  | 12.31% | 0.293% |
| 232    | 15.202 | 15.164 | 15.219 | VV | 186756 | 5741784  | 22.27% | 0.530% |
| 233    | 15.239 | 15.219 | 15.303 | VV | 193243 | 8927628  | 34.63% | 0.824% |
| 234    | 15.329 | 15.303 | 15.339 | VV | 190327 | 3802250  | 14.75% | 0.351% |
| 235    | 15.360 | 15.339 | 15.409 | VV | 192690 | 7710141  | 29.90% | 0.711% |
| 236    | 15.412 | 15.409 | 15.419 | VV | 177221 | 1051643  | 4.08%  | 0.097% |
| 237    | 15.460 | 15.419 | 15.494 | VV | 261173 | 9144029  | 35.47% | 0.843% |
| 238    | 15.517 | 15.494 | 15.537 | VV | 198948 | 4881344  | 18.93% | 0.450% |
| 239    | 15.561 | 15.537 | 15.584 | VV | 246285 | 5926469  | 22.99% | 0.547% |
| 240    | 15.597 | 15.584 | 15.634 | VV | 217215 | 6046507  | 23.45% | 0.558% |
| 241    | 15.668 | 15.634 | 15.685 | VV | 213991 | 6367918  | 24.70% | 0.587% |
| 242    | 15.707 | 15.685 | 15.772 | VV | 247501 | 11612703 | 45.04% | 1.071% |
| 243    | 15.795 | 15.772 | 15.817 | VV | 222179 | 5686924  | 22.06% | 0.525% |
| 244    | 15.835 | 15.817 | 15.854 | VV | 209277 | 4495658  | 17.44% | 0.415% |
| 245    | 15.886 | 15.854 | 15.923 | VV | 210521 | 8654647  | 33.57% | 0.798% |
| 246    | 15.950 | 15.923 | 16.041 | VV | 223749 | 15323666 | 59.43% | 1.414% |

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| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 247    | 16.049 | 16.041 | 16.070 | VV | 216457 | 3835358  | 14.88%  | 0.354% |
| 248    | 16.151 | 16.070 | 16.181 | VV | 256590 | 15248826 | 59.14%  | 1.407% |
| 249    | 16.208 | 16.181 | 16.224 | VV | 235647 | 5830805  | 22.61%  | 0.538% |
| 250    | 16.245 | 16.224 | 16.272 | VV | 260149 | 7070560  | 27.42%  | 0.652% |
| 251    | 16.313 | 16.272 | 16.334 | VV | 256681 | 8934769  | 34.65%  | 0.824% |
| 252    | 16.344 | 16.334 | 16.355 | VV | 245441 | 3122450  | 12.11%  | 0.288% |
| 253    | 16.369 | 16.355 | 16.387 | VV | 248065 | 4651867  | 18.04%  | 0.429% |
| 254    | 16.459 | 16.387 | 16.515 | VV | 616951 | 25783138 | 100.00% | 2.378% |
| 255    | 16.551 | 16.515 | 16.560 | VV | 265297 | 6774289  | 26.27%  | 0.625% |
| 256    | 16.585 | 16.560 | 16.627 | VV | 325687 | 11381148 | 44.14%  | 1.050% |
| 257    | 16.636 | 16.627 | 16.664 | VV | 262006 | 5638415  | 21.87%  | 0.520% |
| 258    | 16.695 | 16.664 | 16.713 | VV | 267447 | 7720751  | 29.94%  | 0.712% |
| 259    | 16.780 | 16.713 | 16.817 | VV | 475062 | 19767078 | 76.67%  | 1.823% |
| 260    | 16.841 | 16.817 | 16.869 | VV | 564468 | 11955148 | 46.37%  | 1.103% |
| 261    | 16.880 | 16.869 | 16.899 | VV | 279258 | 4946894  | 19.19%  | 0.456% |
| 262    | 16.934 | 16.899 | 16.974 | VV | 345745 | 13844418 | 53.70%  | 1.277% |
| 263    | 16.990 | 16.974 | 17.001 | VV | 279845 | 4442972  | 17.23%  | 0.410% |
| 264    | 17.012 | 17.001 | 17.047 | VV | 279903 | 7569157  | 29.36%  | 0.698% |
| 265    | 17.110 | 17.047 | 17.127 | VV | 303987 | 13887181 | 53.86%  | 1.281% |
| 266    | 17.144 | 17.127 | 17.170 | VV | 323302 | 7594013  | 29.45%  | 0.701% |
| 267    | 17.211 | 17.170 | 17.265 | VV | 308117 | 16119090 | 62.52%  | 1.487% |
| 268    | 17.286 | 17.265 | 17.303 | VV | 280889 | 6219075  | 24.12%  | 0.574% |
| 269    | 17.319 | 17.303 | 17.352 | VV | 305965 | 8339548  | 32.34%  | 0.769% |
| 270    | 17.363 | 17.352 | 17.402 | VV | 283459 | 8202530  | 31.81%  | 0.757% |
| 271    | 17.424 | 17.402 | 17.440 | VV | 277707 | 6118990  | 23.73%  | 0.564% |
| 272    | 17.461 | 17.440 | 17.485 | VV | 288189 | 7357405  | 28.54%  | 0.679% |
| 273    | 17.501 | 17.485 | 17.530 | VV | 271984 | 7098685  | 27.53%  | 0.655% |
| 274    | 17.539 | 17.530 | 17.569 | VV | 256818 | 5724314  | 22.20%  | 0.528% |
| 275    | 17.591 | 17.569 | 17.598 | VV | 233939 | 4021697  | 15.60%  | 0.371% |
| 276    | 17.629 | 17.598 | 17.664 | VV | 249958 | 9337161  | 36.21%  | 0.861% |
| 277    | 17.680 | 17.664 | 17.705 | VV | 255002 | 5938470  | 23.03%  | 0.548% |
| 278    | 17.757 | 17.705 | 17.771 | VV | 261659 | 9446477  | 36.64%  | 0.871% |
| 279    | 17.781 | 17.771 | 17.815 | VV | 262985 | 6464995  | 25.07%  | 0.596% |
| 280    | 17.829 | 17.815 | 17.852 | VV | 239049 | 4996740  | 19.38%  | 0.461% |
| 281    | 17.861 | 17.852 | 17.880 | VV | 231529 | 3691292  | 14.32%  | 0.341% |
| 282    | 17.933 | 17.880 | 18.016 | VV | 325332 | 20555339 | 79.72%  | 1.896% |
| 283    | 18.029 | 18.016 | 18.051 | VV | 223356 | 4577574  | 17.75%  | 0.422% |
| 284    | 18.063 | 18.051 | 18.070 | VV | 213863 | 2405201  | 9.33%   | 0.222% |
| 285    | 18.078 | 18.070 | 18.087 | VV | 210250 | 2086882  | 8.09%   | 0.193% |
| 286    | 18.120 | 18.087 | 18.180 | VV | 277389 | 12773046 | 49.54%  | 1.178% |
| 287    | 18.217 | 18.180 | 18.239 | VV | 380702 | 9762495  | 37.86%  | 0.901% |
| 288    | 18.250 | 18.239 | 18.269 | VV | 242767 | 4192157  | 16.26%  | 0.387% |
| 289    | 18.297 | 18.269 | 18.321 | VV | 313883 | 7748057  | 30.05%  | 0.715% |
| 290    | 18.340 | 18.321 | 18.359 | VV | 245640 | 5083000  | 19.71%  | 0.469% |
| 291    | 18.371 | 18.359 | 18.397 | VV | 226683 | 4823556  | 18.71%  | 0.445% |
| 292    | 18.403 | 18.397 | 18.437 | VV | 194616 | 4553713  | 17.66%  | 0.420% |
| 293    | 18.471 | 18.437 | 18.518 | VV | 368948 | 11379456 | 44.14%  | 1.050% |
| 294    | 18.544 | 18.518 | 18.559 | VV | 191624 | 4461824  | 17.31%  | 0.412% |
| 295    | 18.603 | 18.559 | 18.649 | VV | 228861 | 10180083 | 39.48%  | 0.939% |
| 296    | 18.655 | 18.649 | 18.665 | VV | 166978 | 1645352  | 6.38%   | 0.152% |
| 297    | 18.672 | 18.665 | 18.685 | VV | 165046 | 1965376  | 7.62%   | 0.181% |
| 298    | 18.716 | 18.685 | 18.740 | VV | 212664 | 6055933  | 23.49%  | 0.559% |
| 299    | 18.763 | 18.740 | 18.827 | VV | 213023 | 9270531  | 35.96%  | 0.855% |



Instrument :  
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Manual Integrations  
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| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 300    | 18.851 | 18.827 | 18.872 | VV | 169877 | 4509520  | 17.49% | 0.416% |
| 301    | 18.894 | 18.872 | 18.919 | VV | 187512 | 4885508  | 18.95% | 0.451% |
| 302    | 18.938 | 18.919 | 18.953 | VV | 175740 | 3533993  | 13.71% | 0.326% |
| 303    | 18.979 | 18.953 | 19.015 | VV | 189396 | 6511793  | 25.26% | 0.601% |
| 304    | 19.047 | 19.015 | 19.082 | VV | 193300 | 6855841  | 26.59% | 0.632% |
| 305    | 19.104 | 19.082 | 19.127 | VV | 176836 | 4513614  | 17.51% | 0.416% |
| 306    | 19.148 | 19.127 | 19.220 | VV | 182514 | 9210509  | 35.72% | 0.850% |
| 307    | 19.236 | 19.220 | 19.260 | VV | 156718 | 3767483  | 14.61% | 0.348% |
| 308    | 19.291 | 19.260 | 19.305 | VV | 162943 | 4263709  | 16.54% | 0.393% |
| 309    | 19.310 | 19.305 | 19.336 | VV | 160755 | 2797930  | 10.85% | 0.258% |
| 310    | 19.342 | 19.336 | 19.355 | VV | 159589 | 1774617  | 6.88%  | 0.164% |
| 311    | 19.418 | 19.355 | 19.440 | VV | 179108 | 8244701  | 31.98% | 0.761% |
| 312    | 19.450 | 19.440 | 19.474 | VV | 163150 | 3195564  | 12.39% | 0.295% |
| 313    | 19.485 | 19.474 | 19.499 | VV | 163356 | 2421462  | 9.39%  | 0.223% |
| 314    | 19.516 | 19.499 | 19.547 | VV | 165673 | 4621789  | 17.93% | 0.426% |
| 315    | 19.622 | 19.547 | 19.659 | VV | 218014 | 11652005 | 45.19% | 1.075% |
| 316    | 19.691 | 19.659 | 19.724 | VV | 218075 | 7284819  | 28.25% | 0.672% |
| 317    | 19.746 | 19.724 | 19.772 | VV | 184258 | 5001045  | 19.40% | 0.461% |
| 318    | 19.787 | 19.772 | 19.809 | VV | 178383 | 3954236  | 15.34% | 0.365% |
| 319    | 19.814 | 19.809 | 19.860 | VV | 184518 | 5045637  | 19.57% | 0.465% |
| 320    | 19.884 | 19.860 | 19.891 | VV | 164113 | 2974296  | 11.54% | 0.274% |
| 321    | 19.916 | 19.891 | 19.972 | VV | 180211 | 8014684  | 31.08% | 0.739% |
| 322    | 20.005 | 19.972 | 20.049 | VV | 248497 | 8786481  | 34.08% | 0.811% |
| 323    | 20.073 | 20.049 | 20.097 | VV | 188593 | 5056067  | 19.61% | 0.466% |
| 324    | 20.105 | 20.097 | 20.129 | VV | 177935 | 3249190  | 12.60% | 0.300% |
| 325    | 20.156 | 20.129 | 20.188 | VV | 182523 | 6264244  | 24.30% | 0.578% |
| 326    | 20.198 | 20.188 | 20.226 | VV | 187139 | 3946891  | 15.31% | 0.364% |
| 327    | 20.235 | 20.226 | 20.249 | VV | 177224 | 2360899  | 9.16%  | 0.218% |
| 328    | 20.283 | 20.249 | 20.309 | VV | 188149 | 6390747  | 24.79% | 0.590% |
| 329    | 20.318 | 20.309 | 20.363 | VV | 185665 | 5719753  | 22.18% | 0.528% |
| 330    | 20.379 | 20.363 | 20.399 | VV | 177141 | 3737581  | 14.50% | 0.345% |
| 331    | 20.415 | 20.399 | 20.464 | VV | 170762 | 6346586  | 24.62% | 0.585% |
| 332    | 20.474 | 20.464 | 20.485 | VV | 167376 | 2161736  | 8.38%  | 0.199% |
| 333    | 20.496 | 20.485 | 20.515 | VV | 168259 | 2943878  | 11.42% | 0.272% |
| 334    | 20.523 | 20.515 | 20.555 | VV | 161680 | 3723916  | 14.44% | 0.344% |
| 335    | 20.591 | 20.555 | 20.639 | VV | 163674 | 7664755  | 29.73% | 0.707% |
| 336    | 20.682 | 20.639 | 20.695 | VV | 148106 | 4807715  | 18.65% | 0.443% |
| 337    | 20.716 | 20.695 | 20.734 | VV | 147426 | 3244923  | 12.59% | 0.299% |
| 338    | 20.742 | 20.734 | 20.777 | VV | 139487 | 3529424  | 13.69% | 0.326% |
| 339    | 20.787 | 20.777 | 20.814 | VV | 133011 | 2878622  | 11.16% | 0.266% |
| 340    | 20.822 | 20.814 | 20.852 | VV | 127554 | 2900027  | 11.25% | 0.268% |
| 341    | 20.862 | 20.852 | 20.893 | VV | 127281 | 2923410  | 11.34% | 0.270% |
| 342    | 20.922 | 20.893 | 20.960 | VV | 124346 | 4815368  | 18.68% | 0.444% |
| 343    | 20.967 | 20.960 | 21.005 | VV | 114310 | 2912233  | 11.30% | 0.269% |
| 344    | 21.021 | 21.005 | 21.115 | VV | 115148 | 7084001  | 27.48% | 0.653% |
| 345    | 21.126 | 21.115 | 21.187 | VV | 103795 | 4219931  | 16.37% | 0.389% |
| 346    | 21.231 | 21.187 | 21.259 | VV | 96044  | 3982269  | 15.45% | 0.367% |
| 347    | 21.268 | 21.259 | 21.289 | VV | 94027  | 1640835  | 6.36%  | 0.151% |
| 348    | 21.293 | 21.289 | 21.317 | VV | 89716  | 1466364  | 5.69%  | 0.135% |
| 349    | 21.356 | 21.317 | 21.384 | VV | 93011  | 3475442  | 13.48% | 0.321% |
| 350    | 21.461 | 21.384 | 21.525 | VV | 91188  | 7059058  | 27.38% | 0.651% |
| 351    | 21.555 | 21.525 | 21.612 | VV | 69577  | 3357849  | 13.02% | 0.310% |

|     |        |        |        |     | rters                              |         |       |        |
|-----|--------|--------|--------|-----|------------------------------------|---------|-------|--------|
| 352 | 21.642 | 21.612 | 21.654 | VV  | 63362                              | 1489515 | 5.78% | 0.137% |
| 353 | 21.690 | 21.654 | 21.700 | VV  | 63430                              | 1718947 | 6.67% | 0.159% |
| 354 | 21.708 | 21.700 | 21.755 | VV  | 63587                              | 1998810 | 7.75% | 0.184% |
| 355 | 21.773 | 21.755 | 21.810 | VV  | 64171                              | 1951719 | 7.57% | 0.180% |
| 356 | 21.833 | 21.810 | 21.840 | VBA | 60150                              | 1176912 | 4.56% | 0.109% |
|     |        |        |        |     | Sum of corrected areas: 1084075972 |         |       |        |

Instrument :  
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ClientSampleId :

Manual Integrations  
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