

Instrument :  
FID\_G  
ClientSampleId :  
20-20211007-WC

rteres

# Area Percent Report

Manual Integrations  
APPROVED

mohammad  
10/25/2021 8:47:43 AM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG101221\  
Data File : FG008854.D  
Signal(s) : FID1A.ch  
Acq On : 12 Oct 2021 15:02  
Sample : M4147-01 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG100721.M  
Title :

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         | 2.009       | 1.997        | 2.020      | BH       | 583            | 5402         | 0.13%          | 0.004%        |
| 2         | 2.036       | 2.020        | 2.043      | HH       | 763            | 7906         | 0.19%          | 0.006%        |
| 3         | 2.051       | 2.043        | 2.078      | HH       | 705            | 11549        | 0.28%          | 0.009%        |
| 4         | 2.109       | 2.078        | 2.122      | HH       | 737            | 16434        | 0.40%          | 0.013%        |
| 5         | 2.129       | 2.122        | 2.146      | HH       | 611            | 7975         | 0.19%          | 0.006%        |
| 6         | 2.150       | 2.146        | 2.167      | HH       | 496            | 5822         | 0.14%          | 0.005%        |
| 7         | 2.189       | 2.167        | 2.223      | HH       | 1008           | 20641        | 0.50%          | 0.016%        |
| 8         | 2.234       | 2.223        | 2.271      | HH       | 1116           | 18641        | 0.45%          | 0.015%        |
| 9         | 2.282       | 2.271        | 2.290      | HH       | 656            | 6323         | 0.15%          | 0.005%        |
| 10        | 2.294       | 2.290        | 2.313      | HH       | 521            | 5821         | 0.14%          | 0.005%        |
| 11        | 2.320       | 2.313        | 2.331      | HH       | 553            | 4673         | 0.11%          | 0.004%        |
| 12        | 2.344       | 2.331        | 2.375      | HH       | 1096           | 16563        | 0.40%          | 0.013%        |
| 13        | 2.378       | 2.375        | 2.402      | HH       | 456            | 6102         | 0.15%          | 0.005%        |
| 14        | 2.411       | 2.402        | 2.425      | HH       | 433            | 5301         | 0.13%          | 0.004%        |
| 15        | 2.435       | 2.425        | 2.446      | HH       | 381            | 5171         | 0.13%          | 0.004%        |
| 16        | 2.452       | 2.446        | 2.466      | HH       | 454            | 4544         | 0.11%          | 0.004%        |
| 17        | 2.480       | 2.466        | 2.492      | HH       | 505            | 6470         | 0.16%          | 0.005%        |
| 18        | 2.499       | 2.492        | 2.518      | HH       | 441            | 6116         | 0.15%          | 0.005%        |
| 19        | 2.535       | 2.518        | 2.556      | HH       | 524            | 10790        | 0.26%          | 0.009%        |
| 20        | 2.568       | 2.556        | 2.585      | HH       | 547            | 7884         | 0.19%          | 0.006%        |
| 21        | 2.593       | 2.585        | 2.598      | HH       | 474            | 3472         | 0.08%          | 0.003%        |
| 22        | 2.621       | 2.598        | 2.631      | HH       | 735            | 10819        | 0.26%          | 0.009%        |
| 23        | 2.634       | 2.631        | 2.651      | HH       | 522            | 5196         | 0.13%          | 0.004%        |
| 24        | 2.673       | 2.651        | 2.689      | HH       | 570            | 9597         | 0.23%          | 0.008%        |
| 25        | 2.705       | 2.689        | 2.722      | HH       | 473            | 8332         | 0.20%          | 0.007%        |
| 26        | 2.736       | 2.722        | 2.757      | HH       | 576            | 9055         | 0.22%          | 0.007%        |
| 27        | 2.763       | 2.757        | 2.770      | HH       | 442            | 2645         | 0.06%          | 0.002%        |
| 28        | 2.778       | 2.770        | 2.783      | HH       | 421            | 2563         | 0.06%          | 0.002%        |
| 29        | 2.806       | 2.783        | 2.851      | HH       | 1453           | 24849        | 0.60%          | 0.020%        |
| 30        | 2.857       | 2.851        | 2.869      | HH       | 409            | 3672         | 0.09%          | 0.003%        |
| 31        | 2.871       | 2.869        | 2.876      | HH       | 445            | 1337         | 0.03%          | 0.001%        |
| 32        | 2.895       | 2.876        | 2.955      | HH       | 1919           | 39704        | 0.97%          | 0.032%        |
| 33        | 2.961       | 2.955        | 2.967      | HH       | 444            | 2918         | 0.07%          | 0.002%        |
| 34        | 2.976       | 2.967        | 2.982      | HH       | 450            | 3552         | 0.09%          | 0.003%        |
| 35        | 2.998       | 2.982        | 3.039      | HH       | 579            | 13386        | 0.33%          | 0.011%        |
| 36        | 3.079       | 3.039        | 3.106      | HH       | 1617           | 32775        | 0.80%          | 0.026%        |

|    |       |       |       |    | rters |       |       |        |  |
|----|-------|-------|-------|----|-------|-------|-------|--------|--|
| 37 | 3.122 | 3.106 | 3.153 | HH | 2155  | 29939 | 0.73% | 0.024% |  |
| 38 | 3.155 | 3.153 | 3.158 | HH | 626   | 1584  | 0.04% | 0.001% |  |
| 39 | 3.163 | 3.158 | 3.172 | HH | 498   | 4253  | 0.10% | 0.003% |  |
| 40 | 3.183 | 3.172 | 3.205 | HH | 593   | 9884  | 0.24% | 0.008% |  |
| 41 | 3.215 | 3.205 | 3.239 | HH | 570   | 8371  | 0.20% | 0.007% |  |
| 42 | 3.242 | 3.239 | 3.258 | HH | 430   | 4233  | 0.10% | 0.003% |  |
| 43 | 3.263 | 3.258 | 3.280 | HH | 390   | 4436  | 0.11% | 0.004% |  |
| 44 | 3.282 | 3.280 | 3.286 | HH | 350   | 1258  | 0.03% | 0.001% |  |
| 45 | 3.295 | 3.286 | 3.304 | HH | 324   | 3120  | 0.08% | 0.002% |  |
| 46 | 3.330 | 3.304 | 3.335 | HH | 376   | 6183  | 0.15% | 0.005% |  |
| 47 | 3.341 | 3.335 | 3.349 | HH | 395   | 2758  | 0.07% | 0.002% |  |
| 48 | 3.369 | 3.349 | 3.385 | HH | 852   | 12109 | 0.29% | 0.010% |  |
| 49 | 3.388 | 3.385 | 3.399 | HH | 437   | 3033  | 0.07% | 0.002% |  |
| 50 | 3.405 | 3.399 | 3.413 | HH | 317   | 2241  | 0.05% | 0.002% |  |
| 51 | 3.417 | 3.413 | 3.428 | HH | 331   | 2437  | 0.06% | 0.002% |  |
| 52 | 3.432 | 3.428 | 3.443 | HH | 318   | 2130  | 0.05% | 0.002% |  |
| 53 | 3.446 | 3.443 | 3.458 | HH | 359   | 2232  | 0.05% | 0.002% |  |
| 54 | 3.473 | 3.458 | 3.488 | HH | 413   | 5784  | 0.14% | 0.005% |  |
| 55 | 3.494 | 3.488 | 3.512 | HH | 480   | 5038  | 0.12% | 0.004% |  |
| 56 | 3.521 | 3.512 | 3.538 | HH | 355   | 4372  | 0.11% | 0.003% |  |
| 57 | 3.552 | 3.538 | 3.557 | HH | 319   | 3097  | 0.08% | 0.002% |  |
| 58 | 3.564 | 3.557 | 3.568 | HH | 364   | 2069  | 0.05% | 0.002% |  |
| 59 | 3.571 | 3.568 | 3.576 | HH | 341   | 1538  | 0.04% | 0.001% |  |
| 60 | 3.580 | 3.576 | 3.605 | HH | 304   | 4573  | 0.11% | 0.004% |  |
| 61 | 3.611 | 3.605 | 3.621 | HH | 320   | 2277  | 0.06% | 0.002% |  |
| 62 | 3.635 | 3.621 | 3.667 | HH | 531   | 9657  | 0.23% | 0.008% |  |
| 63 | 3.674 | 3.667 | 3.690 | HH | 321   | 3619  | 0.09% | 0.003% |  |
| 64 | 3.698 | 3.690 | 3.705 | HH | 355   | 2587  | 0.06% | 0.002% |  |
| 65 | 3.708 | 3.705 | 3.712 | HH | 268   | 1147  | 0.03% | 0.001% |  |
| 66 | 3.716 | 3.712 | 3.720 | HH | 305   | 1047  | 0.03% | 0.001% |  |
| 67 | 3.746 | 3.720 | 3.756 | HH | 519   | 7336  | 0.18% | 0.006% |  |
| 68 | 3.760 | 3.756 | 3.767 | HH | 359   | 1969  | 0.05% | 0.002% |  |
| 69 | 3.782 | 3.767 | 3.796 | HH | 361   | 4876  | 0.12% | 0.004% |  |
| 70 | 3.819 | 3.796 | 3.830 | HH | 574   | 7150  | 0.17% | 0.006% |  |
| 71 | 3.840 | 3.830 | 3.855 | HH | 328   | 3675  | 0.09% | 0.003% |  |
| 72 | 3.869 | 3.855 | 3.882 | HH | 647   | 6982  | 0.17% | 0.006% |  |
| 73 | 3.891 | 3.882 | 3.900 | HH | 440   | 3746  | 0.09% | 0.003% |  |
| 74 | 3.914 | 3.900 | 3.935 | HH | 374   | 5567  | 0.14% | 0.004% |  |
| 75 | 3.955 | 3.935 | 3.988 | HH | 875   | 14165 | 0.34% | 0.011% |  |
| 76 | 3.992 | 3.988 | 4.008 | HH | 219   | 2322  | 0.06% | 0.002% |  |
| 77 | 4.016 | 4.008 | 4.020 | HH | 269   | 1438  | 0.03% | 0.001% |  |
| 78 | 4.027 | 4.020 | 4.031 | HH | 278   | 1527  | 0.04% | 0.001% |  |
| 79 | 4.046 | 4.031 | 4.059 | HH | 490   | 6487  | 0.16% | 0.005% |  |
| 80 | 4.069 | 4.059 | 4.094 | HH | 475   | 6124  | 0.15% | 0.005% |  |
| 81 | 4.111 | 4.094 | 4.127 | HH | 341   | 4495  | 0.11% | 0.004% |  |
| 82 | 4.141 | 4.127 | 4.160 | HH | 323   | 4766  | 0.12% | 0.004% |  |
| 83 | 4.168 | 4.160 | 4.175 | HH | 187   | 1445  | 0.04% | 0.001% |  |
| 84 | 4.209 | 4.175 | 4.281 | HH | 1611  | 42592 | 1.04% | 0.034% |  |
| 85 | 4.285 | 4.281 | 4.300 | HH | 327   | 3179  | 0.08% | 0.003% |  |
| 86 | 4.305 | 4.300 | 4.313 | HH | 318   | 1863  | 0.05% | 0.001% |  |
| 87 | 4.316 | 4.313 | 4.324 | HH | 315   | 1395  | 0.03% | 0.001% |  |
| 88 | 4.327 | 4.324 | 4.339 | HH | 209   | 1634  | 0.04% | 0.001% |  |
| 89 | 4.359 | 4.339 | 4.382 | HH | 317   | 5311  | 0.13% | 0.004% |  |

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|     |       |       |       |    | rt   | Area  | Area% | Height |
|-----|-------|-------|-------|----|------|-------|-------|--------|
| 90  | 4.396 | 4.382 | 4.424 | HH | 306  | 5394  | 0.13% | 0.004% |
| 91  | 4.442 | 4.424 | 4.468 | HH | 691  | 10387 | 0.25% | 0.008% |
| 92  | 4.472 | 4.468 | 4.475 | HH | 227  | 865   | 0.02% | 0.001% |
| 93  | 4.490 | 4.475 | 4.506 | HH | 594  | 6506  | 0.16% | 0.005% |
| 94  | 4.522 | 4.506 | 4.539 | HH | 308  | 4205  | 0.10% | 0.003% |
| 95  | 4.554 | 4.539 | 4.559 | HH | 397  | 3252  | 0.08% | 0.003% |
| 96  | 4.567 | 4.559 | 4.585 | HH | 432  | 5245  | 0.13% | 0.004% |
| 97  | 4.597 | 4.585 | 4.625 | HH | 746  | 9868  | 0.24% | 0.008% |
| 98  | 4.632 | 4.625 | 4.636 | HH | 255  | 1433  | 0.03% | 0.001% |
| 99  | 4.667 | 4.636 | 4.688 | HH | 1467 | 24430 | 0.59% | 0.019% |
| 100 | 4.698 | 4.688 | 4.715 | HH | 844  | 9869  | 0.24% | 0.008% |
| 101 | 4.727 | 4.715 | 4.758 | HH | 464  | 7913  | 0.19% | 0.006% |
| 102 | 4.762 | 4.758 | 4.769 | HH | 272  | 1345  | 0.03% | 0.001% |
| 103 | 4.773 | 4.769 | 4.779 | HH | 288  | 1449  | 0.04% | 0.001% |
| 104 | 4.781 | 4.779 | 4.795 | HH | 301  | 2177  | 0.05% | 0.002% |
| 105 | 4.800 | 4.795 | 4.811 | HH | 251  | 2184  | 0.05% | 0.002% |
| 106 | 4.815 | 4.811 | 4.819 | HH | 265  | 1079  | 0.03% | 0.001% |
| 107 | 4.827 | 4.819 | 4.836 | HH | 367  | 2623  | 0.06% | 0.002% |
| 108 | 4.856 | 4.836 | 4.889 | HH | 452  | 8084  | 0.20% | 0.006% |
| 109 | 4.922 | 4.889 | 4.954 | HH | 430  | 9018  | 0.22% | 0.007% |
| 110 | 4.957 | 4.954 | 4.969 | HH | 119  | 1017  | 0.02% | 0.001% |
| 111 | 4.975 | 4.969 | 5.002 | HH | 220  | 2639  | 0.06% | 0.002% |
| 112 | 5.005 | 5.002 | 5.019 | HH | 153  | 1069  | 0.03% | 0.001% |
| 113 | 5.043 | 5.019 | 5.047 | HH | 210  | 1813  | 0.04% | 0.001% |
| 114 | 5.052 | 5.047 | 5.069 | HH | 191  | 1836  | 0.04% | 0.001% |
| 115 | 5.080 | 5.069 | 5.085 | HH | 291  | 2074  | 0.05% | 0.002% |
| 116 | 5.090 | 5.085 | 5.099 | HH | 331  | 1837  | 0.04% | 0.001% |
| 117 | 5.102 | 5.099 | 5.108 | HH | 209  | 940   | 0.02% | 0.001% |
| 118 | 5.124 | 5.108 | 5.133 | HH | 278  | 2854  | 0.07% | 0.002% |
| 119 | 5.141 | 5.133 | 5.156 | HH | 293  | 2857  | 0.07% | 0.002% |
| 120 | 5.167 | 5.156 | 5.180 | HH | 371  | 3740  | 0.09% | 0.003% |
| 121 | 5.183 | 5.180 | 5.206 | HH | 300  | 3406  | 0.08% | 0.003% |
| 122 | 5.218 | 5.206 | 5.225 | HH | 266  | 2067  | 0.05% | 0.002% |
| 123 | 5.229 | 5.225 | 5.248 | HH | 202  | 1822  | 0.04% | 0.001% |
| 124 | 5.260 | 5.248 | 5.269 | HH | 251  | 2431  | 0.06% | 0.002% |
| 125 | 5.274 | 5.269 | 5.290 | HH | 312  | 3032  | 0.07% | 0.002% |
| 126 | 5.293 | 5.290 | 5.297 | HH | 251  | 797   | 0.02% | 0.001% |
| 127 | 5.311 | 5.297 | 5.328 | HH | 269  | 3705  | 0.09% | 0.003% |
| 128 | 5.347 | 5.328 | 5.359 | HH | 264  | 3321  | 0.08% | 0.003% |
| 129 | 5.376 | 5.359 | 5.402 | HH | 316  | 4698  | 0.11% | 0.004% |
| 130 | 5.442 | 5.402 | 5.460 | HH | 642  | 8997  | 0.22% | 0.007% |
| 131 | 5.487 | 5.460 | 5.506 | HH | 1049 | 13134 | 0.32% | 0.010% |
| 132 | 5.517 | 5.506 | 5.538 | HH | 464  | 6006  | 0.15% | 0.005% |
| 133 | 5.549 | 5.538 | 5.601 | HH | 259  | 4492  | 0.11% | 0.004% |
| 134 | 5.605 | 5.601 | 5.618 | PH | 105  | 477   | 0.01% | 0.000% |
| 135 | 5.621 | 5.618 | 5.635 | PH | 55   | 252   | 0.01% | 0.000% |
| 136 | 5.640 | 5.635 | 5.655 | PH | 86   | 380   | 0.01% | 0.000% |
| 137 | 5.673 | 5.655 | 5.709 | HH | 483  | 5605  | 0.14% | 0.004% |
| 138 | 5.714 | 5.709 | 5.734 | PH | 77   | 691   | 0.02% | 0.001% |
| 139 | 5.769 | 5.734 | 5.781 | PH | 512  | 8266  | 0.20% | 0.007% |
| 140 | 5.791 | 5.781 | 5.803 | HH | 465  | 5205  | 0.13% | 0.004% |
| 141 | 5.815 | 5.803 | 5.822 | HH | 472  | 3743  | 0.09% | 0.003% |

|        |       |       |       |    |      |       |       |        |  |
|--------|-------|-------|-------|----|------|-------|-------|--------|--|
| rteres |       |       |       |    |      |       |       |        |  |
| 142    | 5.823 | 5.822 | 5.839 | HH | 411  | 2676  | 0.07% | 0.002% |  |
| 143    | 5.843 | 5.839 | 5.852 | HH | 158  | 1049  | 0.03% | 0.001% |  |
| 144    | 5.865 | 5.852 | 5.879 | PH | 174  | 1797  | 0.04% | 0.001% |  |
| 145    | 5.883 | 5.879 | 5.886 | HH | 88   | 427   | 0.01% | 0.000% |  |
| 146    | 5.891 | 5.886 | 5.923 | PH | 153  | 1753  | 0.04% | 0.001% |  |
| 147    | 5.944 | 5.923 | 5.961 | PH | 197  | 2090  | 0.05% | 0.002% |  |
| 148    | 5.966 | 5.961 | 5.969 | PH | 27   | 33    | 0.00% | 0.000% |  |
| 149    | 5.984 | 5.969 | 5.989 | PH | 191  | 1155  | 0.03% | 0.001% |  |
| 150    | 6.008 | 5.989 | 6.024 | HH | 281  | 3487  | 0.08% | 0.003% |  |
| 151    | 6.046 | 6.024 | 6.109 | HH | 3670 | 54884 | 1.34% | 0.044% |  |
| 152    | 6.130 | 6.109 | 6.160 | HH | 603  | 12429 | 0.30% | 0.010% |  |
| 153    | 6.185 | 6.160 | 6.200 | HH | 499  | 9437  | 0.23% | 0.007% |  |
| 154    | 6.208 | 6.200 | 6.214 | HH | 343  | 2180  | 0.05% | 0.002% |  |
| 155    | 6.221 | 6.214 | 6.230 | HH | 308  | 2507  | 0.06% | 0.002% |  |
| 156    | 6.233 | 6.230 | 6.254 | HH | 272  | 2860  | 0.07% | 0.002% |  |
| 157    | 6.260 | 6.254 | 6.267 | HH | 305  | 2077  | 0.05% | 0.002% |  |
| 158    | 6.277 | 6.267 | 6.301 | HH | 387  | 5733  | 0.14% | 0.005% |  |
| 159    | 6.317 | 6.301 | 6.324 | HH | 319  | 3180  | 0.08% | 0.003% |  |
| 160    | 6.327 | 6.324 | 6.341 | HH | 288  | 2223  | 0.05% | 0.002% |  |
| 161    | 6.353 | 6.341 | 6.374 | HH | 269  | 4169  | 0.10% | 0.003% |  |
| 162    | 6.397 | 6.374 | 6.412 | HH | 398  | 6339  | 0.15% | 0.005% |  |
| 163    | 6.433 | 6.412 | 6.451 | HH | 709  | 10910 | 0.27% | 0.009% |  |
| 164    | 6.470 | 6.451 | 6.526 | HH | 996  | 21097 | 0.51% | 0.017% |  |
| 165    | 6.533 | 6.526 | 6.545 | HH | 281  | 1944  | 0.05% | 0.002% |  |
| 166    | 6.561 | 6.545 | 6.579 | HH | 285  | 4162  | 0.10% | 0.003% |  |
| 167    | 6.583 | 6.579 | 6.599 | HH | 186  | 2268  | 0.06% | 0.002% |  |
| 168    | 6.619 | 6.599 | 6.639 | HH | 970  | 11088 | 0.27% | 0.009% |  |
| 169    | 6.668 | 6.639 | 6.692 | HH | 289  | 5804  | 0.14% | 0.005% |  |
| 170    | 6.701 | 6.692 | 6.708 | HH | 163  | 543   | 0.01% | 0.000% |  |
| 171    | 6.744 | 6.708 | 6.780 | PH | 170  | 3982  | 0.10% | 0.003% |  |
| 172    | 6.791 | 6.780 | 6.821 | HH | 349  | 5155  | 0.13% | 0.004% |  |
| 173    | 6.825 | 6.821 | 6.849 | HH | 204  | 2521  | 0.06% | 0.002% |  |
| 174    | 6.878 | 6.849 | 6.892 | HH | 338  | 5129  | 0.12% | 0.004% |  |
| 175    | 6.896 | 6.892 | 6.900 | HH | 196  | 587   | 0.01% | 0.000% |  |
| 176    | 6.920 | 6.900 | 6.927 | HH | 209  | 2273  | 0.06% | 0.002% |  |
| 177    | 6.930 | 6.927 | 6.957 | HH | 226  | 2415  | 0.06% | 0.002% |  |
| 178    | 6.976 | 6.957 | 6.983 | HH | 385  | 3682  | 0.09% | 0.003% |  |
| 179    | 6.988 | 6.983 | 6.996 | HH | 336  | 2330  | 0.06% | 0.002% |  |
| 180    | 7.000 | 6.996 | 7.015 | HH | 372  | 3012  | 0.07% | 0.002% |  |
| 181    | 7.039 | 7.015 | 7.065 | HH | 1998 | 27962 | 0.68% | 0.022% |  |
| 182    | 7.075 | 7.065 | 7.093 | HH | 582  | 6418  | 0.16% | 0.005% |  |
| 183    | 7.106 | 7.093 | 7.130 | HH | 919  | 13955 | 0.34% | 0.011% |  |
| 184    | 7.134 | 7.130 | 7.155 | HH | 472  | 5057  | 0.12% | 0.004% |  |
| 185    | 7.175 | 7.155 | 7.198 | HH | 1119 | 16116 | 0.39% | 0.013% |  |
| 186    | 7.202 | 7.198 | 7.219 | HH | 1031 | 4044  | 0.10% | 0.003% |  |
| 187    | 7.240 | 7.219 | 7.265 | HH | 1442 | 20665 | 0.50% | 0.016% |  |
| 188    | 7.277 | 7.265 | 7.309 | HH | 481  | 8740  | 0.21% | 0.007% |  |
| 189    | 7.329 | 7.309 | 7.342 | HH | 365  | 4591  | 0.11% | 0.004% |  |
| 190    | 7.398 | 7.342 | 7.436 | HH | 756  | 20387 | 0.50% | 0.016% |  |
| 191    | 7.467 | 7.436 | 7.508 | HH | 446  | 11337 | 0.28% | 0.009% |  |
| 192    | 7.512 | 7.508 | 7.520 | HH | 196  | 970   | 0.02% | 0.001% |  |
| 193    | 7.536 | 7.520 | 7.558 | HH | 428  | 6740  | 0.16% | 0.005% |  |
| 194    | 7.578 | 7.558 | 7.593 | HH | 468  | 7428  | 0.18% | 0.006% |  |

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FID\_G  
ClientSampleId :  
20-20211007-WC

Manual Integrations  
APPROVED

mohammad  
10/25/2021 8:47:43 AM

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Manual Integrations  
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|     |       |       |       |    | rt   | Area  | Height | %Area  | %Height |
|-----|-------|-------|-------|----|------|-------|--------|--------|---------|
| 195 | 7.597 | 7.593 | 7.608 | HH | 353  | 2365  | 0.06%  | 0.002% |         |
| 196 | 7.615 | 7.608 | 7.636 | HH | 400  | 4889  | 0.12%  | 0.004% |         |
| 197 | 7.663 | 7.636 | 7.679 | HH | 375  | 5724  | 0.14%  | 0.005% |         |
| 198 | 7.696 | 7.679 | 7.710 | HH | 364  | 5315  | 0.13%  | 0.004% |         |
| 199 | 7.741 | 7.710 | 7.759 | HH | 356  | 7324  | 0.18%  | 0.006% |         |
| 200 | 7.767 | 7.759 | 7.777 | HH | 231  | 2485  | 0.06%  | 0.002% |         |
| 201 | 7.781 | 7.777 | 7.785 | HH | 314  | 1270  | 0.03%  | 0.001% |         |
| 202 | 7.790 | 7.785 | 7.797 | HH | 275  | 1740  | 0.04%  | 0.001% |         |
| 203 | 7.803 | 7.797 | 7.814 | HH | 378  | 3148  | 0.08%  | 0.002% |         |
| 204 | 7.838 | 7.814 | 7.844 | HH | 549  | 7810  | 0.19%  | 0.006% |         |
| 205 | 7.847 | 7.844 | 7.850 | HH | 516  | 1888  | 0.05%  | 0.001% |         |
| 206 | 7.853 | 7.850 | 7.864 | HH | 510  | 3885  | 0.09%  | 0.003% |         |
| 207 | 7.881 | 7.864 | 7.910 | HH | 605  | 11399 | 0.28%  | 0.009% |         |
| 208 | 7.920 | 7.910 | 7.936 | HH | 470  | 5042  | 0.12%  | 0.004% |         |
| 209 | 7.970 | 7.936 | 7.986 | HH | 591  | 12640 | 0.31%  | 0.010% |         |
| 210 | 8.014 | 7.986 | 8.043 | HH | 902  | 20759 | 0.51%  | 0.016% |         |
| 211 | 8.047 | 8.043 | 8.066 | HH | 357  | 4236  | 0.10%  | 0.003% |         |
| 212 | 8.092 | 8.066 | 8.120 | HH | 1496 | 26152 | 0.64%  | 0.021% |         |
| 213 | 8.123 | 8.120 | 8.144 | HH | 561  | 6876  | 0.17%  | 0.005% |         |
| 214 | 8.152 | 8.144 | 8.164 | HH | 549  | 5823  | 0.14%  | 0.005% |         |
| 215 | 8.166 | 8.164 | 8.176 | HH | 504  | 3442  | 0.08%  | 0.003% |         |
| 216 | 8.185 | 8.176 | 8.191 | HH | 563  | 4403  | 0.11%  | 0.003% |         |
| 217 | 8.206 | 8.191 | 8.220 | HH | 1415 | 17790 | 0.43%  | 0.014% |         |
| 218 | 8.236 | 8.220 | 8.254 | HH | 1333 | 21229 | 0.52%  | 0.017% |         |
| 219 | 8.272 | 8.254 | 8.289 | HH | 1280 | 20988 | 0.51%  | 0.017% |         |
| 220 | 8.293 | 8.289 | 8.299 | HH | 675  | 3855  | 0.09%  | 0.003% |         |
| 221 | 8.303 | 8.299 | 8.310 | HH | 554  | 3588  | 0.09%  | 0.003% |         |
| 222 | 8.316 | 8.310 | 8.338 | HH | 646  | 8966  | 0.22%  | 0.007% |         |
| 223 | 8.390 | 8.338 | 8.419 | HH | 1295 | 40484 | 0.98%  | 0.032% |         |
| 224 | 8.438 | 8.419 | 8.463 | HH | 1292 | 21420 | 0.52%  | 0.017% |         |
| 225 | 8.467 | 8.463 | 8.471 | HH | 510  | 2423  | 0.06%  | 0.002% |         |
| 226 | 8.481 | 8.471 | 8.515 | HH | 646  | 14666 | 0.36%  | 0.012% |         |
| 227 | 8.522 | 8.515 | 8.552 | HH | 561  | 10834 | 0.26%  | 0.009% |         |
| 228 | 8.556 | 8.552 | 8.604 | HH | 457  | 11443 | 0.28%  | 0.009% |         |
| 229 | 8.630 | 8.604 | 8.634 | HH | 594  | 8082  | 0.20%  | 0.006% |         |
| 230 | 8.641 | 8.634 | 8.645 | HH | 583  | 3644  | 0.09%  | 0.003% |         |
| 231 | 8.687 | 8.645 | 8.719 | HH | 3098 | 58850 | 1.43%  | 0.047% |         |
| 232 | 8.734 | 8.719 | 8.760 | HH | 1492 | 25330 | 0.62%  | 0.020% |         |
| 233 | 8.764 | 8.760 | 8.783 | HH | 828  | 10863 | 0.26%  | 0.009% |         |
| 234 | 8.809 | 8.783 | 8.841 | HH | 1938 | 39284 | 0.96%  | 0.031% |         |
| 235 | 8.854 | 8.841 | 8.884 | HH | 679  | 15281 | 0.37%  | 0.012% |         |
| 236 | 8.886 | 8.884 | 8.911 | HH | 648  | 9702  | 0.24%  | 0.008% |         |
| 237 | 8.929 | 8.911 | 8.946 | HH | 1067 | 17901 | 0.44%  | 0.014% |         |
| 238 | 8.969 | 8.946 | 8.983 | HH | 1120 | 20496 | 0.50%  | 0.016% |         |
| 239 | 8.995 | 8.983 | 9.031 | HH | 1252 | 28472 | 0.69%  | 0.023% |         |
| 240 | 9.034 | 9.031 | 9.049 | HH | 903  | 8779  | 0.21%  | 0.007% |         |
| 241 | 9.097 | 9.049 | 9.124 | HH | 1480 | 41733 | 1.02%  | 0.033% |         |
| 242 | 9.140 | 9.124 | 9.159 | HH | 1109 | 17797 | 0.43%  | 0.014% |         |
| 243 | 9.162 | 9.159 | 9.166 | HH | 628  | 2783  | 0.07%  | 0.002% |         |
| 244 | 9.171 | 9.166 | 9.176 | HH | 612  | 3626  | 0.09%  | 0.003% |         |
| 245 | 9.180 | 9.176 | 9.209 | HH | 680  | 10946 | 0.27%  | 0.009% |         |
| 246 | 9.220 | 9.209 | 9.228 | HH | 550  | 5673  | 0.14%  | 0.005% |         |

| rteres |        |        |        |    |       |        |       |        |  |
|--------|--------|--------|--------|----|-------|--------|-------|--------|--|
| 247    | 9.255  | 9.228  | 9.272  | HH | 1091  | 19426  | 0.47% | 0.015% |  |
| 248    | 9.291  | 9.272  | 9.316  | HH | 1059  | 20229  | 0.49% | 0.016% |  |
| 249    | 9.336  | 9.316  | 9.364  | HH | 747   | 19631  | 0.48% | 0.016% |  |
| 250    | 9.391  | 9.364  | 9.422  | HH | 1262  | 30861  | 0.75% | 0.025% |  |
| 251    | 9.434  | 9.422  | 9.446  | HH | 767   | 9746   | 0.24% | 0.008% |  |
| 252    | 9.477  | 9.446  | 9.525  | HH | 2107  | 58085  | 1.41% | 0.046% |  |
| 253    | 9.553  | 9.525  | 9.584  | HH | 1870  | 40553  | 0.99% | 0.032% |  |
| 254    | 9.598  | 9.584  | 9.610  | HH | 1038  | 14669  | 0.36% | 0.012% |  |
| 255    | 9.629  | 9.610  | 9.646  | HH | 1537  | 26023  | 0.63% | 0.021% |  |
| 256    | 9.656  | 9.646  | 9.669  | HH | 1063  | 12634  | 0.31% | 0.010% |  |
| 257    | 9.684  | 9.669  | 9.731  | HH | 1138  | 31957  | 0.78% | 0.025% |  |
| 258    | 9.752  | 9.731  | 9.774  | HH | 768   | 17079  | 0.42% | 0.014% |  |
| 259    | 9.799  | 9.774  | 9.859  | HH | 1405  | 47920  | 1.17% | 0.038% |  |
| 260    | 9.878  | 9.859  | 9.895  | HH | 1576  | 25681  | 0.62% | 0.020% |  |
| 261    | 9.900  | 9.895  | 9.949  | HH | 1353  | 32638  | 0.79% | 0.026% |  |
| 262    | 9.963  | 9.949  | 9.977  | HH | 937   | 14870  | 0.36% | 0.012% |  |
| 263    | 9.989  | 9.977  | 10.021 | HH | 935   | 19923  | 0.48% | 0.016% |  |
| 264    | 10.059 | 10.021 | 10.089 | HH | 821   | 26541  | 0.65% | 0.021% |  |
| 265    | 10.096 | 10.089 | 10.102 | HH | 649   | 4368   | 0.11% | 0.003% |  |
| 266    | 10.110 | 10.102 | 10.126 | HH | 625   | 8090   | 0.20% | 0.006% |  |
| 267    | 10.135 | 10.126 | 10.143 | HH | 626   | 5384   | 0.13% | 0.004% |  |
| 268    | 10.156 | 10.143 | 10.173 | HH | 735   | 10910  | 0.27% | 0.009% |  |
| 269    | 10.178 | 10.173 | 10.189 | HH | 646   | 6064   | 0.15% | 0.005% |  |
| 270    | 10.220 | 10.189 | 10.244 | HH | 1066  | 26251  | 0.64% | 0.021% |  |
| 271    | 10.268 | 10.244 | 10.294 | HH | 2092  | 38659  | 0.94% | 0.031% |  |
| 272    | 10.308 | 10.294 | 10.313 | HH | 904   | 8783   | 0.21% | 0.007% |  |
| 273    | 10.332 | 10.313 | 10.343 | HH | 1251  | 19603  | 0.48% | 0.016% |  |
| 274    | 10.360 | 10.343 | 10.383 | HH | 1525  | 28741  | 0.70% | 0.023% |  |
| 275    | 10.404 | 10.383 | 10.440 | HH | 1442  | 35747  | 0.87% | 0.028% |  |
| 276    | 10.476 | 10.440 | 10.520 | HH | 1421  | 51114  | 1.24% | 0.041% |  |
| 277    | 10.543 | 10.520 | 10.565 | HH | 1553  | 34808  | 0.85% | 0.028% |  |
| 278    | 10.569 | 10.565 | 10.592 | HH | 1212  | 18217  | 0.44% | 0.014% |  |
| 279    | 10.617 | 10.592 | 10.632 | HH | 1990  | 35886  | 0.87% | 0.029% |  |
| 280    | 10.647 | 10.632 | 10.663 | HH | 1891  | 28571  | 0.70% | 0.023% |  |
| 281    | 10.691 | 10.663 | 10.744 | HH | 4447  | 103918 | 2.53% | 0.083% |  |
| 282    | 10.752 | 10.744 | 10.768 | HH | 1194  | 16188  | 0.39% | 0.013% |  |
| 283    | 10.778 | 10.768 | 10.803 | HH | 1207  | 23312  | 0.57% | 0.019% |  |
| 284    | 10.815 | 10.803 | 10.838 | HH | 1182  | 22139  | 0.54% | 0.018% |  |
| 285    | 10.847 | 10.838 | 10.858 | HH | 1147  | 13450  | 0.33% | 0.011% |  |
| 286    | 10.885 | 10.858 | 10.943 | HH | 15438 | 265907 | 6.47% | 0.211% |  |
| 287    | 10.963 | 10.943 | 10.998 | HH | 5069  | 103417 | 2.52% | 0.082% |  |
| 288    | 11.004 | 10.998 | 11.044 | HH | 2120  | 49146  | 1.20% | 0.039% |  |
| 289    | 11.047 | 11.044 | 11.065 | HH | 1477  | 17703  | 0.43% | 0.014% |  |
| 290    | 11.071 | 11.065 | 11.087 | HH | 1434  | 17119  | 0.42% | 0.014% |  |
| 291    | 11.098 | 11.087 | 11.119 | HH | 1348  | 23899  | 0.58% | 0.019% |  |
| 292    | 11.136 | 11.119 | 11.164 | HH | 1424  | 34396  | 0.84% | 0.027% |  |
| 293    | 11.191 | 11.164 | 11.225 | HH | 2165  | 61150  | 1.49% | 0.049% |  |
| 294    | 11.252 | 11.225 | 11.268 | HH | 1513  | 35842  | 0.87% | 0.028% |  |
| 295    | 11.287 | 11.268 | 11.305 | HH | 1553  | 32611  | 0.79% | 0.026% |  |
| 296    | 11.323 | 11.305 | 11.345 | HH | 2292  | 40709  | 0.99% | 0.032% |  |
| 297    | 11.347 | 11.345 | 11.362 | HH | 1308  | 12744  | 0.31% | 0.010% |  |
| 298    | 11.376 | 11.362 | 11.382 | HH | 1461  | 16189  | 0.39% | 0.013% |  |
| 299    | 11.415 | 11.382 | 11.450 | HH | 3245  | 79816  | 1.94% | 0.063% |  |

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|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 300 | 11.461 | 11.450 | 11.463 | HH | 1216   | 9311   | 0.23%  | 0.007% |
| 301 | 11.483 | 11.463 | 11.506 | HH | 1774   | 37419  | 0.91%  | 0.030% |
| 302 | 11.523 | 11.506 | 11.529 | HH | 1494   | 19049  | 0.46%  | 0.015% |
| 303 | 11.542 | 11.529 | 11.558 | HH | 1539   | 24902  | 0.61%  | 0.020% |
| 304 | 11.589 | 11.558 | 11.608 | HH | 1787   | 44184  | 1.07%  | 0.035% |
| 305 | 11.620 | 11.608 | 11.627 | HH | 1520   | 16562  | 0.40%  | 0.013% |
| 306 | 11.631 | 11.627 | 11.637 | HH | 1513   | 8521   | 0.21%  | 0.007% |
| 307 | 11.650 | 11.637 | 11.664 | HH | 1664   | 24610  | 0.60%  | 0.020% |
| 308 | 11.690 | 11.664 | 11.706 | HH | 3804   | 63601  | 1.55%  | 0.051% |
| 309 | 11.722 | 11.706 | 11.765 | HH | 4618   | 95321  | 2.32%  | 0.076% |
| 310 | 11.806 | 11.765 | 11.825 | HH | 5163   | 108205 | 2.63%  | 0.086% |
| 311 | 11.838 | 11.825 | 11.854 | HH | 3556   | 49981  | 1.22%  | 0.040% |
| 312 | 11.870 | 11.854 | 11.915 | HH | 4096   | 90727  | 2.21%  | 0.072% |
| 313 | 11.939 | 11.915 | 11.951 | HH | 1691   | 33659  | 0.82%  | 0.027% |
| 314 | 11.973 | 11.951 | 11.977 | HH | 2010   | 27487  | 0.67%  | 0.022% |
| 315 | 11.994 | 11.977 | 12.017 | HH | 2472   | 50339  | 1.22%  | 0.040% |
| 316 | 12.020 | 12.017 | 12.038 | HH | 1885   | 21494  | 0.52%  | 0.017% |
| 317 | 12.065 | 12.038 | 12.139 | HH | 2086   | 106886 | 2.60%  | 0.085% |
| 318 | 12.165 | 12.139 | 12.215 | HH | 2572   | 89271  | 2.17%  | 0.071% |
| 319 | 12.227 | 12.215 | 12.234 | HH | 1889   | 21629  | 0.53%  | 0.017% |
| 320 | 12.249 | 12.234 | 12.280 | HH | 2643   | 60030  | 1.46%  | 0.048% |
| 321 | 12.284 | 12.280 | 12.292 | HH | 1888   | 12666  | 0.31%  | 0.010% |
| 322 | 12.310 | 12.292 | 12.327 | HH | 2084   | 39194  | 0.95%  | 0.031% |
| 323 | 12.332 | 12.327 | 12.335 | HH | 1666   | 8305   | 0.20%  | 0.007% |
| 324 | 12.343 | 12.335 | 12.355 | HH | 1770   | 20248  | 0.49%  | 0.016% |
| 325 | 12.371 | 12.355 | 12.380 | HH | 1923   | 27132  | 0.66%  | 0.022% |
| 326 | 12.412 | 12.380 | 12.425 | HH | 2152   | 52606  | 1.28%  | 0.042% |
| 327 | 12.432 | 12.425 | 12.451 | HH | 2098   | 31227  | 0.76%  | 0.025% |
| 328 | 12.485 | 12.451 | 12.497 | HH | 2455   | 58051  | 1.41%  | 0.046% |
| 329 | 12.501 | 12.497 | 12.525 | HH | 2293   | 32690  | 0.80%  | 0.026% |
| 330 | 12.557 | 12.525 | 12.576 | HH | 2942   | 72930  | 1.77%  | 0.058% |
| 331 | 12.592 | 12.576 | 12.612 | HH | 3960   | 67238  | 1.64%  | 0.053% |
| 332 | 12.635 | 12.612 | 12.683 | HH | 3671   | 120185 | 2.92%  | 0.095% |
| 333 | 12.711 | 12.683 | 12.768 | HH | 29067  | 443381 | 10.79% | 0.352% |
| 334 | 12.780 | 12.768 | 12.799 | HH | 2422   | 40113  | 0.98%  | 0.032% |
| 335 | 12.807 | 12.799 | 12.833 | HH | 2137   | 41833  | 1.02%  | 0.033% |
| 336 | 12.861 | 12.833 | 12.877 | HH | 2587   | 64438  | 1.57%  | 0.051% |
| 337 | 12.898 | 12.877 | 12.920 | HH | 3208   | 69199  | 1.68%  | 0.055% |
| 338 | 12.926 | 12.920 | 12.930 | HH | 2557   | 14783  | 0.36%  | 0.012% |
| 339 | 12.935 | 12.930 | 12.984 | HH | 2624   | 76195  | 1.85%  | 0.061% |
| 340 | 13.011 | 12.984 | 13.048 | HH | 28000  | 396873 | 9.66%  | 0.315% |
| 341 | 13.068 | 13.048 | 13.084 | HH | 6118   | 96404  | 2.35%  | 0.077% |
| 342 | 13.103 | 13.084 | 13.151 | HH | 4693   | 139521 | 3.39%  | 0.111% |
| 343 | 13.156 | 13.151 | 13.166 | HH | 2492   | 21647  | 0.53%  | 0.017% |
| 344 | 13.187 | 13.166 | 13.202 | HH | 3284   | 60786  | 1.48%  | 0.048% |
| 345 | 13.221 | 13.202 | 13.238 | HH | 3810   | 69675  | 1.70%  | 0.055% |
| 346 | 13.250 | 13.238 | 13.264 | HH | 3071   | 44011  | 1.07%  | 0.035% |
| 347 | 13.284 | 13.264 | 13.321 | HH | 3626   | 97753  | 2.38%  | 0.078% |
| 348 | 13.342 | 13.321 | 13.359 | HH | 3035   | 62045  | 1.51%  | 0.049% |
| 349 | 13.364 | 13.359 | 13.389 | HH | 2529   | 41871  | 1.02%  | 0.033% |
| 350 | 13.412 | 13.389 | 13.423 | HH | 3158   | 55425  | 1.35%  | 0.044% |
| 351 | 13.430 | 13.423 | 13.449 | HH | 2927   | 43526  | 1.06%  | 0.035% |

|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 352 | 13.474 | 13.449 | 13.541 | HH | 4524   | 167345 | 4.07%  | 0.133% |
| 353 | 13.605 | 13.541 | 13.649 | HH | 7609   | 255486 | 6.22%  | 0.203% |
| 354 | 13.666 | 13.649 | 13.687 | HH | 3151   | 66403  | 1.62%  | 0.053% |
| 355 | 13.713 | 13.687 | 13.735 | HH | 6418   | 127968 | 3.11%  | 0.102% |
| 356 | 13.752 | 13.735 | 13.775 | HH | 5707   | 106116 | 2.58%  | 0.084% |
| 357 | 13.787 | 13.775 | 13.817 | HH | 3880   | 86980  | 2.12%  | 0.069% |
| 358 | 13.843 | 13.817 | 13.858 | HH | 4567   | 96882  | 2.36%  | 0.077% |
| 359 | 13.882 | 13.858 | 13.904 | HH | 5818   | 130559 | 3.18%  | 0.104% |
| 360 | 13.924 | 13.904 | 13.966 | HH | 5214   | 141525 | 3.44%  | 0.112% |
| 361 | 14.001 | 13.966 | 14.020 | HH | 3339   | 102128 | 2.48%  | 0.081% |
| 362 | 14.052 | 14.020 | 14.064 | HH | 3284   | 81416  | 1.98%  | 0.065% |
| 363 | 14.072 | 14.064 | 14.101 | HH | 3276   | 68179  | 1.66%  | 0.054% |
| 364 | 14.112 | 14.101 | 14.118 | HH | 3148   | 32449  | 0.79%  | 0.026% |
| 365 | 14.139 | 14.118 | 14.152 | HH | 3254   | 63302  | 1.54%  | 0.050% |
| 366 | 14.180 | 14.152 | 14.226 | HH | 3651   | 146208 | 3.56%  | 0.116% |
| 367 | 14.244 | 14.226 | 14.259 | HH | 3263   | 61142  | 1.49%  | 0.049% |
| 368 | 14.312 | 14.259 | 14.329 | HH | 4547   | 157546 | 3.83%  | 0.125% |
| 369 | 14.352 | 14.329 | 14.382 | HH | 4908   | 133006 | 3.24%  | 0.106% |
| 370 | 14.409 | 14.382 | 14.428 | HH | 4568   | 111975 | 2.72%  | 0.089% |
| 371 | 14.445 | 14.428 | 14.495 | HH | 4627   | 165760 | 4.03%  | 0.132% |
| 372 | 14.525 | 14.495 | 14.562 | HH | 6218   | 198521 | 4.83%  | 0.158% |
| 373 | 14.585 | 14.562 | 14.615 | HH | 8430   | 194916 | 4.74%  | 0.155% |
| 374 | 14.634 | 14.615 | 14.643 | HH | 5464   | 83305  | 2.03%  | 0.066% |
| 375 | 14.658 | 14.643 | 14.688 | HH | 5699   | 135620 | 3.30%  | 0.108% |
| 376 | 14.707 | 14.688 | 14.715 | HH | 4566   | 70879  | 1.72%  | 0.056% |
| 377 | 14.742 | 14.715 | 14.769 | HH | 11042  | 230385 | 5.60%  | 0.183% |
| 378 | 14.777 | 14.769 | 14.821 | HH | 5291   | 142881 | 3.48%  | 0.113% |
| 379 | 14.856 | 14.821 | 14.872 | HH | 5839   | 149813 | 3.64%  | 0.119% |
| 380 | 14.900 | 14.872 | 14.921 | HH | 23942  | 393807 | 9.58%  | 0.313% |
| 381 | 14.940 | 14.921 | 15.029 | HH | 23650  | 588858 | 14.33% | 0.468% |
| 382 | 15.063 | 15.029 | 15.119 | HH | 9841   | 354026 | 8.61%  | 0.281% |
| 383 | 15.154 | 15.119 | 15.184 | HH | 6677   | 227856 | 5.54%  | 0.181% |
| 384 | 15.211 | 15.184 | 15.232 | HH | 7840   | 190529 | 4.64%  | 0.151% |
| 385 | 15.246 | 15.232 | 15.272 | HH | 6829   | 156094 | 3.80%  | 0.124% |
| 386 | 15.280 | 15.272 | 15.318 | HH | 6251   | 165837 | 4.03%  | 0.132% |
| 387 | 15.341 | 15.318 | 15.384 | HH | 7728   | 266902 | 6.49%  | 0.212% |
| 388 | 15.389 | 15.384 | 15.428 | HH | 6126   | 148556 | 3.61%  | 0.118% |
| 389 | 15.473 | 15.428 | 15.503 | HH | 6855   | 282469 | 6.87%  | 0.224% |
| 390 | 15.533 | 15.503 | 15.551 | HH | 7232   | 193843 | 4.72%  | 0.154% |
| 391 | 15.575 | 15.551 | 15.597 | HH | 12780  | 257862 | 6.27%  | 0.205% |
| 392 | 15.616 | 15.597 | 15.643 | HH | 9265   | 223663 | 5.44%  | 0.178% |
| 393 | 15.660 | 15.643 | 15.692 | HH | 8384   | 224304 | 5.46%  | 0.178% |
| 394 | 15.736 | 15.692 | 15.782 | HH | 10544  | 471412 | 11.47% | 0.374% |
| 395 | 15.811 | 15.782 | 15.839 | HH | 8793   | 271273 | 6.60%  | 0.215% |
| 396 | 15.841 | 15.839 | 15.845 | HH | 7519   | 25314  | 0.62%  | 0.020% |
| 397 | 15.857 | 15.845 | 15.879 | HH | 7745   | 151540 | 3.69%  | 0.120% |
| 398 | 15.901 | 15.879 | 15.929 | HH | 8337   | 230953 | 5.62%  | 0.183% |
| 399 | 15.971 | 15.929 | 16.000 | HH | 9488   | 359887 | 8.76%  | 0.286% |
| 400 | 16.007 | 16.000 | 16.052 | HH | 8759   | 256507 | 6.24%  | 0.204% |
| 401 | 16.074 | 16.052 | 16.092 | HH | 8410   | 195634 | 4.76%  | 0.155% |
| 402 | 16.111 | 16.092 | 16.127 | HH | 8558   | 173258 | 4.22%  | 0.138% |
| 403 | 16.134 | 16.127 | 16.139 | HH | 8424   | 58792  | 1.43%  | 0.047% |
| 404 | 16.179 | 16.139 | 16.196 | HH | 9675   | 309476 | 7.53%  | 0.246% |

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| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 405    | 16.212 | 16.196 | 16.233 | HH | 9773  | 206709  | 5.03%  | 0.164% |
| 406    | 16.257 | 16.233 | 16.306 | HH | 10857 | 440633  | 10.72% | 0.350% |
| 407    | 16.348 | 16.306 | 16.356 | HH | 10647 | 297506  | 7.24%  | 0.236% |
| 408    | 16.379 | 16.356 | 16.399 | HH | 12092 | 290012  | 7.06%  | 0.230% |
| 409    | 16.403 | 16.399 | 16.412 | HH | 10435 | 81223   | 1.98%  | 0.065% |
| 410    | 16.466 | 16.412 | 16.485 | HH | 42104 | 887083  | 21.58% | 0.705% |
| 411    | 16.494 | 16.485 | 16.554 | HH | 23709 | 625750  | 15.22% | 0.497% |
| 412    | 16.563 | 16.554 | 16.567 | HH | 11670 | 90155   | 2.19%  | 0.072% |
| 413    | 16.598 | 16.567 | 16.621 | HH | 19992 | 489162  | 11.90% | 0.388% |
| 414    | 16.633 | 16.621 | 16.649 | HH | 13377 | 214667  | 5.22%  | 0.170% |
| 415    | 16.658 | 16.649 | 16.662 | HH | 12635 | 101712  | 2.47%  | 0.081% |
| 416    | 16.666 | 16.662 | 16.672 | HH | 12582 | 74689   | 1.82%  | 0.059% |
| 417    | 16.692 | 16.672 | 16.704 | HH | 12915 | 238195  | 5.79%  | 0.189% |
| 418    | 16.720 | 16.704 | 16.731 | HH | 13625 | 212394  | 5.17%  | 0.169% |
| 419    | 16.752 | 16.731 | 16.762 | HH | 14983 | 264463  | 6.43%  | 0.210% |
| 420    | 16.789 | 16.762 | 16.822 | HH | 36094 | 790457  | 19.23% | 0.628% |
| 421    | 16.849 | 16.822 | 16.907 | HH | 41772 | 1091818 | 26.56% | 0.867% |
| 422    | 16.924 | 16.907 | 16.934 | HH | 16709 | 250581  | 6.10%  | 0.199% |
| 423    | 16.951 | 16.934 | 16.977 | HH | 21007 | 470495  | 11.45% | 0.374% |
| 424    | 17.004 | 16.977 | 17.039 | HH | 16571 | 575499  | 14.00% | 0.457% |
| 425    | 17.056 | 17.039 | 17.062 | HH | 15994 | 219031  | 5.33%  | 0.174% |
| 426    | 17.099 | 17.062 | 17.134 | HH | 18245 | 727038  | 17.69% | 0.577% |
| 427    | 17.151 | 17.134 | 17.170 | HH | 17212 | 353983  | 8.61%  | 0.281% |
| 428    | 17.213 | 17.170 | 17.288 | HH | 21739 | 1331493 | 32.39% | 1.057% |
| 429    | 17.315 | 17.288 | 17.324 | HH | 18425 | 385935  | 9.39%  | 0.307% |
| 430    | 17.377 | 17.324 | 17.409 | HH | 23598 | 1035091 | 25.18% | 0.822% |
| 431    | 17.437 | 17.409 | 17.454 | HH | 21349 | 540424  | 13.15% | 0.429% |
| 432    | 17.468 | 17.454 | 17.483 | HH | 21076 | 352299  | 8.57%  | 0.280% |
| 433    | 17.511 | 17.483 | 17.536 | HH | 23574 | 693593  | 16.87% | 0.551% |
| 434    | 17.540 | 17.536 | 17.547 | HH | 20891 | 136574  | 3.32%  | 0.108% |
| 435    | 17.554 | 17.547 | 17.572 | HH | 20673 | 300404  | 7.31%  | 0.239% |
| 436    | 17.577 | 17.572 | 17.594 | HH | 20099 | 265219  | 6.45%  | 0.211% |
| 437    | 17.623 | 17.594 | 17.631 | HH | 20918 | 448512  | 10.91% | 0.356% |
| 438    | 17.635 | 17.631 | 17.679 | HH | 20753 | 579098  | 14.09% | 0.460% |
| 439    | 17.684 | 17.679 | 17.687 | HH | 20045 | 102582  | 2.50%  | 0.081% |
| 440    | 17.719 | 17.687 | 17.738 | HH | 20861 | 617351  | 15.02% | 0.490% |
| 441    | 17.814 | 17.738 | 17.836 | HH | 27891 | 1366201 | 33.24% | 1.085% |
| 442    | 17.844 | 17.836 | 17.871 | HH | 24192 | 501204  | 12.19% | 0.398% |
| 443    | 17.910 | 17.871 | 17.917 | HH | 23947 | 641621  | 15.61% | 0.510% |
| 444    | 17.943 | 17.917 | 17.955 | HH | 25936 | 576624  | 14.03% | 0.458% |
| 445    | 17.968 | 17.955 | 17.984 | HH | 25961 | 445185  | 10.83% | 0.354% |
| 446    | 18.002 | 17.984 | 18.052 | HH | 26966 | 1056634 | 25.71% | 0.839% |
| 447    | 18.057 | 18.052 | 18.063 | HH | 25075 | 152659  | 3.71%  | 0.121% |
| 448    | 18.066 | 18.063 | 18.070 | HH | 25046 | 105683  | 2.57%  | 0.084% |
| 449    | 18.073 | 18.070 | 18.086 | HH | 24933 | 238952  | 5.81%  | 0.190% |
| 450    | 18.091 | 18.086 | 18.104 | HH | 24907 | 264913  | 6.44%  | 0.210% |
| 451    | 18.135 | 18.104 | 18.156 | HH | 31542 | 879701  | 21.40% | 0.699% |
| 452    | 18.168 | 18.156 | 18.194 | HH | 28278 | 623959  | 15.18% | 0.496% |
| 453    | 18.231 | 18.194 | 18.256 | HH | 52264 | 1375501 | 33.46% | 1.092% |
| 454    | 18.269 | 18.256 | 18.296 | HH | 32780 | 752955  | 18.32% | 0.598% |
| 455    | 18.312 | 18.296 | 18.326 | HH | 31798 | 555222  | 13.51% | 0.441% |
| 456    | 18.361 | 18.326 | 18.377 | HH | 37370 | 1038333 | 25.26% | 0.825% |

| rteres |        |        |        |    |       |         |         |        |
|--------|--------|--------|--------|----|-------|---------|---------|--------|
| 457    | 18.392 | 18.377 | 18.407 | HH | 35659 | 622161  | 15.14%  | 0.494% |
| 458    | 18.414 | 18.407 | 18.459 | HH | 34050 | 971034  | 23.62%  | 0.771% |
| 459    | 18.484 | 18.459 | 18.521 | HH | 51857 | 1426126 | 34.69%  | 1.133% |
| 460    | 18.524 | 18.521 | 18.529 | HH | 32078 | 159027  | 3.87%   | 0.126% |
| 461    | 18.536 | 18.529 | 18.542 | HH | 31860 | 237037  | 5.77%   | 0.188% |
| 462    | 18.569 | 18.542 | 18.586 | HH | 34604 | 887678  | 21.60%  | 0.705% |
| 463    | 18.620 | 18.586 | 18.636 | HH | 41745 | 1147248 | 27.91%  | 0.911% |
| 464    | 18.647 | 18.636 | 18.678 | HH | 38735 | 896149  | 21.80%  | 0.712% |
| 465    | 18.682 | 18.678 | 18.694 | HH | 33273 | 327689  | 7.97%   | 0.260% |
| 466    | 18.720 | 18.694 | 18.738 | HH | 34774 | 880460  | 21.42%  | 0.699% |
| 467    | 18.756 | 18.738 | 18.777 | HH | 35724 | 831767  | 20.24%  | 0.661% |
| 468    | 18.796 | 18.777 | 18.804 | HH | 36974 | 581179  | 14.14%  | 0.462% |
| 469    | 18.809 | 18.804 | 18.848 | HH | 36863 | 948419  | 23.07%  | 0.753% |
| 470    | 18.863 | 18.848 | 18.885 | HH | 36942 | 822392  | 20.01%  | 0.653% |
| 471    | 18.917 | 18.885 | 18.937 | HH | 40866 | 1220570 | 29.69%  | 0.969% |
| 472    | 18.943 | 18.937 | 18.954 | HH | 39112 | 394207  | 9.59%   | 0.313% |
| 473    | 18.969 | 18.954 | 18.976 | HH | 39158 | 497569  | 12.10%  | 0.395% |
| 474    | 19.004 | 18.976 | 19.026 | HH | 41124 | 1191650 | 28.99%  | 0.946% |
| 475    | 19.051 | 19.026 | 19.077 | HH | 45379 | 1304853 | 31.74%  | 1.036% |
| 476    | 19.092 | 19.077 | 19.108 | HH | 42642 | 776682  | 18.90%  | 0.617% |
| 477    | 19.114 | 19.108 | 19.119 | HH | 41123 | 261749  | 6.37%   | 0.208% |
| 478    | 19.126 | 19.119 | 19.143 | HH | 41044 | 583329  | 14.19%  | 0.463% |
| 479    | 19.166 | 19.143 | 19.219 | HH | 44892 | 1980146 | 48.17%  | 1.573% |
| 480    | 19.221 | 19.219 | 19.224 | HH | 42726 | 113702  | 2.77%   | 0.090% |
| 481    | 19.236 | 19.224 | 19.241 | HH | 43331 | 459349  | 11.18%  | 0.365% |
| 482    | 19.244 | 19.241 | 19.262 | HH | 43366 | 539002  | 13.11%  | 0.428% |
| 483    | 19.288 | 19.262 | 19.316 | HH | 44546 | 1412323 | 34.36%  | 1.122% |
| 484    | 19.336 | 19.316 | 19.340 | HH | 45213 | 642832  | 15.64%  | 0.511% |
| 485    | 19.347 | 19.340 | 19.361 | HH | 45430 | 567478  | 13.81%  | 0.451% |
| 486    | 19.436 | 19.361 | 19.456 | HH | 52036 | 2699319 | 65.67%  | 2.144% |
| 487    | 19.474 | 19.456 | 19.494 | HH | 48776 | 1112343 | 27.06%  | 0.883% |
| 488    | 19.512 | 19.494 | 19.519 | HH | 48974 | 727325  | 17.69%  | 0.578% |
| 489    | 19.548 | 19.519 | 19.552 | HH | 50637 | 989557  | 24.07%  | 0.786% |
| 490    | 19.575 | 19.552 | 19.581 | HH | 52054 | 877210  | 21.34%  | 0.697% |
| 491    | 19.585 | 19.581 | 19.593 | HH | 51889 | 361220  | 8.79%   | 0.287% |
| 492    | 19.601 | 19.593 | 19.611 | HH | 52020 | 564372  | 13.73%  | 0.448% |
| 493    | 19.646 | 19.611 | 19.684 | HH | 63476 | 2519975 | 61.31%  | 2.001% |
| 494    | 19.715 | 19.684 | 19.750 | HH | 67567 | 2395061 | 58.27%  | 1.902% |
| 495    | 19.784 | 19.750 | 19.792 | HH | 61824 | 1512837 | 36.80%  | 1.201% |
| 496    | 19.810 | 19.792 | 19.834 | HH | 64939 | 1574893 | 38.31%  | 1.251% |
| 497    | 19.838 | 19.834 | 19.844 | HH | 59821 | 352693  | 8.58%   | 0.280% |
| 498    | 19.859 | 19.844 | 19.884 | HH | 60723 | 1455931 | 35.42%  | 1.156% |
| 499    | 19.937 | 19.884 | 19.962 | HH | 63326 | 2871683 | 69.86%  | 2.281% |
| 500    | 20.030 | 19.962 | 20.063 | HH | 78937 | 4110502 | 100.00% | 3.265% |
| 501    | 20.095 | 20.063 | 20.122 | HH | 72822 | 2449657 | 59.60%  | 1.945% |
| 502    | 20.130 | 20.122 | 20.148 | HH | 70090 | 1084139 | 26.37%  | 0.861% |
| 503    | 20.177 | 20.148 | 20.201 | HH | 74186 | 2264391 | 55.09%  | 1.798% |
| 504    | 20.203 | 20.201 | 20.218 | HH | 69487 | 710558  | 17.29%  | 0.564% |
| 505    | 20.246 | 20.218 | 20.252 | HH | 70121 | 1433383 | 34.87%  | 1.138% |
| 506    | 20.263 | 20.252 | 20.267 | HH | 71052 | 601213  | 14.63%  | 0.477% |
| 507    | 20.314 | 20.267 | 20.319 | HH | 72612 | 2255821 | 54.88%  | 1.792% |
| 508    | 20.330 | 20.319 | 20.333 | HH | 72843 | 616440  | 15.00%  | 0.490% |
| 509    | 20.350 | 20.333 | 20.363 | HH | 74127 | 1308501 | 31.83%  | 1.039% |

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| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 510    | 20.401 | 20.363 | 20.419 | HH | 76763 | 2548247 | 61.99% | 2.024% |
| 511    | 20.450 | 20.419 | 20.476 | HH | 79286 | 2646847 | 64.39% | 2.102% |
| 512    | 20.513 | 20.476 | 20.517 | HH | 80459 | 1976621 | 48.09% | 1.570% |
| 513    | 20.536 | 20.517 | 20.593 | HH | 82062 | 3619434 | 88.05% | 2.875% |
| 514    | 20.611 | 20.593 | 20.640 | HH | 79251 | 2183732 | 53.13% | 1.734% |
| 515    | 20.646 | 20.640 | 20.664 | HH | 76991 | 1092594 | 26.58% | 0.868% |
| 516    | 20.696 | 20.664 | 20.727 | HH | 78298 | 2946706 | 71.69% | 2.340% |
| 517    | 20.733 | 20.727 | 20.745 | HH | 77202 | 850505  | 20.69% | 0.675% |
| 518    | 20.753 | 20.745 | 20.786 | HH | 77390 | 1851890 | 45.05% | 1.471% |
| 519    | 20.797 | 20.786 | 20.823 | HH | 77021 | 1710153 | 41.60% | 1.358% |
| 520    | 20.841 | 20.823 | 20.862 | HH | 76470 | 1800926 | 43.81% | 1.430% |

Sum of corrected areas: 125914375

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