

Instrument :  
FID\_G  
ClientSampleId :  
SB-4E-(21.5-23.5)MS

rteres

# Area Percent Report

Manual Integrations  
APPROVED

mohammad  
12/30/2019 1:56:59 PM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG122719\  
Data File : FG006432.D  
Signal(s) : FID1A.ch  
Acq On : 27 Dec 2019 16:04  
Sample : K6435-02MS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG122619.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         | 2.393       | 2.365        | 2.447      | BH       | 214157         | 1527373      | 30.00%         | 1.459%        |
| 2         | 2.467       | 2.447        | 2.481      | HH       | 143            | 2394         | 0.05%          | 0.002%        |
| 3         | 2.491       | 2.481        | 2.498      | HH       | 126            | 900          | 0.02%          | 0.001%        |
| 4         | 2.510       | 2.498        | 2.551      | HH       | 129            | 1616         | 0.03%          | 0.002%        |
| 5         | 2.568       | 2.551        | 2.580      | PH       | 166            | 1406         | 0.03%          | 0.001%        |
| 6         | 2.596       | 2.580        | 2.628      | PH       | 1169           | 13974        | 0.27%          | 0.013%        |
| 7         | 2.644       | 2.628        | 2.732      | HH       | 2316           | 28910        | 0.57%          | 0.028%        |
| 8         | 2.746       | 2.732        | 2.843      | PH       | 106            | -3856        | -0.08%         | -0.004%       |
| 9         | 2.861       | 2.843        | 2.921      | PH       | -82            | -6118        | -0.12%         | -0.006%       |
| 10        | 2.950       | 2.921        | 2.968      | PH       | -58            | -3718        | -0.07%         | -0.004%       |
| 11        | 2.982       | 2.968        | 3.020      | PH       | 206            | -1670        | -0.03%         | -0.002%       |
| 12        | 3.053       | 3.020        | 3.067      | PH       | -118           | -3966        | -0.08%         | -0.004%       |
| 13        | 3.079       | 3.067        | 3.085      | PH       | -116           | -1686        | -0.03%         | -0.002%       |
| 14        | 3.110       | 3.085        | 3.148      | PH       | 141            | -1262        | -0.02%         | -0.001%       |
| 15        | 3.165       | 3.148        | 3.178      | PH       | -31            | -1593        | -0.03%         | -0.002%       |
| 16        | 3.205       | 3.178        | 3.246      | PH       | 1625           | 17539        | 0.34%          | 0.017%        |
| 17        | 3.253       | 3.246        | 3.263      | PH       | 22             | -100         | -0.00%         | -0.000%       |
| 18        | 3.268       | 3.263        | 3.315      | PH       | -22            | -2775        | -0.05%         | -0.003%       |
| 19        | 3.325       | 3.315        | 3.347      | PH       | 648            | 4711         | 0.09%          | 0.005%        |
| 20        | 3.359       | 3.347        | 3.382      | PH       | 85             | -30          | -0.00%         | -0.000%       |
| 21        | 3.398       | 3.382        | 3.411      | PH       | 99             | -315         | -0.01%         | -0.000%       |
| 22        | 3.424       | 3.411        | 3.504      | PH       | 73             | -9162        | -0.18%         | -0.009%       |
| 23        | 3.558       | 3.504        | 3.582      | PH       | 112            | -2645        | -0.05%         | -0.003%       |
| 24        | 3.596       | 3.582        | 3.615      | PH       | -5             | -1309        | -0.03%         | -0.001%       |
| 25        | 3.620       | 3.615        | 3.651      | PH       | -97            | -3018        | -0.06%         | -0.003%       |
| 26        | 3.669       | 3.651        | 3.690      | PH       | 213            | -916         | -0.02%         | -0.001%       |
| 27        | 3.709       | 3.690        | 3.731      | PH       | 1143           | 7657         | 0.15%          | 0.007%        |
| 28        | 3.764       | 3.731        | 3.810      | PH       | 414            | 3700         | 0.07%          | 0.004%        |
| 29        | 3.839       | 3.810        | 3.883      | PH       | 253            | -2187        | -0.04%         | -0.002%       |
| 30        | 3.900       | 3.883        | 3.921      | PH       | 17             | -1468        | -0.03%         | -0.001%       |
| 31        | 3.940       | 3.921        | 3.956      | PH       | 252            | 46           | 0.00%          | 0.000%        |
| 32        | 3.983       | 3.956        | 4.005      | PH       | 33             | -1644        | -0.03%         | -0.002%       |
| 33        | 4.015       | 4.005        | 4.040      | PH       | 251            | 98           | 0.00%          | 0.000%        |
| 34        | 4.056       | 4.040        | 4.070      | PH       | 352            | 1387         | 0.03%          | 0.001%        |
| 35        | 4.112       | 4.070        | 4.143      | PH       | 22425          | 190936       | 3.75%          | 0.182%        |
| 36        | 4.151       | 4.143        | 4.209      | HH       | 739            | 9154         | 0.18%          | 0.009%        |

|    |       |       |       |    | retention |         |        |         |  |
|----|-------|-------|-------|----|-----------|---------|--------|---------|--|
| 37 | 4.242 | 4.209 | 4.250 | PH | 610       | 5007    | 0.10%  | 0.005%  |  |
| 38 | 4.265 | 4.250 | 4.307 | HH | 2711      | 33741   | 0.66%  | 0.032%  |  |
| 39 | 4.318 | 4.307 | 4.333 | HH | 480       | 4099    | 0.08%  | 0.004%  |  |
| 40 | 4.343 | 4.333 | 4.354 | PH | 137       | 1362    | 0.03%  | 0.001%  |  |
| 41 | 4.376 | 4.354 | 4.408 | HH | 271       | 4474    | 0.09%  | 0.004%  |  |
| 42 | 4.448 | 4.408 | 4.498 | HH | 220022    | 1918617 | 37.69% | 1.833%  |  |
| 43 | 4.520 | 4.498 | 4.536 | PH | 195       | 1821    | 0.04%  | 0.002%  |  |
| 44 | 4.551 | 4.536 | 4.580 | PH | 125       | 522     | 0.01%  | 0.000%  |  |
| 45 | 4.624 | 4.580 | 4.644 | PH | 1825      | 15319   | 0.30%  | 0.015%  |  |
| 46 | 4.654 | 4.644 | 4.678 | PH | 173       | 992     | 0.02%  | 0.001%  |  |
| 47 | 4.698 | 4.678 | 4.717 | PH | 1342      | 10719   | 0.21%  | 0.010%  |  |
| 48 | 4.736 | 4.717 | 4.766 | PH | 502       | 2373    | 0.05%  | 0.002%  |  |
| 49 | 4.800 | 4.766 | 4.840 | PH | 495       | 4991    | 0.10%  | 0.005%  |  |
| 50 | 4.856 | 4.840 | 4.875 | PH | 372       | 1683    | 0.03%  | 0.002%  |  |
| 51 | 4.929 | 4.875 | 4.965 | PH | 369       | -2364   | -0.05% | -0.002% |  |
| 52 | 4.989 | 4.965 | 5.023 | PH | 232       | -2751   | -0.05% | -0.003% |  |
| 53 | 5.046 | 5.023 | 5.065 | PH | 864       | 5965    | 0.12%  | 0.006%  |  |
| 54 | 5.077 | 5.065 | 5.090 | PH | 233       | 781     | 0.02%  | 0.001%  |  |
| 55 | 5.112 | 5.090 | 5.148 | PH | 163       | -1804   | -0.04% | -0.002% |  |
| 56 | 5.176 | 5.148 | 5.188 | PH | 297       | 1701    | 0.03%  | 0.002%  |  |
| 57 | 5.196 | 5.188 | 5.216 | HH | 225       | 797     | 0.02%  | 0.001%  |  |
| 58 | 5.229 | 5.216 | 5.262 | PH | 6         | -3727   | -0.07% | -0.004% |  |
| 59 | 5.301 | 5.262 | 5.355 | PH | 6440      | 48831   | 0.96%  | 0.047%  |  |
| 60 | 5.379 | 5.355 | 5.439 | PH | -196      | -15071  | -0.30% | -0.014% |  |
| 61 | 5.465 | 5.439 | 5.485 | PH | 1669      | 8594    | 0.17%  | 0.008%  |  |
| 62 | 5.503 | 5.485 | 5.531 | PH | -120      | -6799   | -0.13% | -0.006% |  |
| 63 | 5.577 | 5.531 | 5.603 | PH | -161      | -13420  | -0.26% | -0.013% |  |
| 64 | 5.621 | 5.603 | 5.641 | PH | 178       | -2297   | -0.05% | -0.002% |  |
| 65 | 5.660 | 5.641 | 5.675 | PH | 61        | -2296   | -0.05% | -0.002% |  |
| 66 | 5.698 | 5.675 | 5.725 | PH | 511       | -466    | -0.01% | -0.000% |  |
| 67 | 5.743 | 5.725 | 5.755 | PH | -149      | -3853   | -0.08% | -0.004% |  |
| 68 | 5.769 | 5.755 | 5.794 | PH | 37        | -5146   | -0.10% | -0.005% |  |
| 69 | 5.817 | 5.794 | 5.840 | PH | 217       | -5441   | -0.11% | -0.005% |  |
| 70 | 5.862 | 5.840 | 5.952 | PH | 163       | -20994  | -0.41% | -0.020% |  |
| 71 | 5.965 | 5.952 | 5.978 | PH | -363      | -6146   | -0.12% | -0.006% |  |
| 72 | 6.023 | 5.978 | 6.039 | PH | 862       | 2146    | 0.04%  | 0.002%  |  |
| 73 | 6.050 | 6.039 | 6.079 | HH | 253       | -220    | -0.00% | -0.000% |  |
| 74 | 6.093 | 6.079 | 6.105 | PH | -188      | -3833   | -0.08% | -0.004% |  |
| 75 | 6.107 | 6.105 | 6.131 | PH | -187      | -4713   | -0.09% | -0.005% |  |
| 76 | 6.151 | 6.131 | 6.185 | PH | 344       | -2134   | -0.04% | -0.002% |  |
| 77 | 6.204 | 6.185 | 6.226 | PH | -163      | -7503   | -0.15% | -0.007% |  |
| 78 | 6.244 | 6.226 | 6.261 | PH | -95       | -5708   | -0.11% | -0.005% |  |
| 79 | 6.286 | 6.261 | 6.297 | PH | 22        | -3445   | -0.07% | -0.003% |  |
| 80 | 6.338 | 6.297 | 6.359 | PH | 1253      | 8648    | 0.17%  | 0.008%  |  |
| 81 | 6.370 | 6.359 | 6.398 | PH | -15       | -3531   | -0.07% | -0.003% |  |
| 82 | 6.426 | 6.398 | 6.453 | PH | 223945    | 2074659 | 40.76% | 1.982%  |  |
| 83 | 6.465 | 6.453 | 6.518 | HH | 1115      | 9128    | 0.18%  | 0.009%  |  |
| 84 | 6.535 | 6.518 | 6.551 | PH | -113      | -3859   | -0.08% | -0.004% |  |
| 85 | 6.571 | 6.551 | 6.606 | PH | 799       | 6268    | 0.12%  | 0.006%  |  |
| 86 | 6.619 | 6.606 | 6.630 | PH | -51       | -1427   | -0.03% | -0.001% |  |
| 87 | 6.641 | 6.630 | 6.677 | PH | 90        | -3743   | -0.07% | -0.004% |  |
| 88 | 6.702 | 6.677 | 6.734 | PH | 260       | -2694   | -0.05% | -0.003% |  |
| 89 | 6.770 | 6.734 | 6.825 | PH | 3809      | 30642   | 0.60%  | 0.029%  |  |

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|     |       |       |       |    | rt     | Area    | Height | %Area   |
|-----|-------|-------|-------|----|--------|---------|--------|---------|
| 90  | 6.845 | 6.825 | 6.864 | PH | -66    | -5153   | -0.10% | -0.005% |
| 91  | 6.878 | 6.864 | 6.891 | PH | -147   | -4136   | -0.08% | -0.004% |
| 92  | 6.920 | 6.891 | 6.961 | PH | 1131   | 9450    | 0.19%  | 0.009%  |
| 93  | 6.974 | 6.961 | 6.988 | PH | 77     | 88      | 0.00%  | 0.000%  |
| 94  | 7.014 | 6.988 | 7.035 | PH | 133    | 53      | 0.00%  | 0.000%  |
| 95  | 7.053 | 7.035 | 7.066 | PH | 1430   | 13290   | 0.26%  | 0.013%  |
| 96  | 7.086 | 7.066 | 7.101 | HH | 1540   | 20566   | 0.40%  | 0.020%  |
| 97  | 7.110 | 7.101 | 7.127 | HH | 995    | 7382    | 0.15%  | 0.007%  |
| 98  | 7.141 | 7.127 | 7.155 | PH | 204    | 768     | 0.02%  | 0.001%  |
| 99  | 7.167 | 7.155 | 7.191 | PH | -4     | -2577   | -0.05% | -0.002% |
| 100 | 7.235 | 7.191 | 7.281 | PH | 3349   | 38436   | 0.76%  | 0.037%  |
| 101 | 7.329 | 7.281 | 7.384 | PH | 782    | 1618    | 0.03%  | 0.002%  |
| 102 | 7.443 | 7.384 | 7.478 | PH | 1698   | 13949   | 0.27%  | 0.013%  |
| 103 | 7.517 | 7.478 | 7.541 | PH | 1422   | 21547   | 0.42%  | 0.021%  |
| 104 | 7.557 | 7.541 | 7.578 | HH | 458    | 6350    | 0.12%  | 0.006%  |
| 105 | 7.595 | 7.578 | 7.614 | HH | 1195   | 8776    | 0.17%  | 0.008%  |
| 106 | 7.632 | 7.614 | 7.652 | PH | 373    | 1589    | 0.03%  | 0.002%  |
| 107 | 7.674 | 7.652 | 7.694 | PH | 3159   | 29363   | 0.58%  | 0.028%  |
| 108 | 7.707 | 7.694 | 7.745 | HH | 729    | 5290    | 0.10%  | 0.005%  |
| 109 | 7.768 | 7.745 | 7.785 | PH | 438    | 5566    | 0.11%  | 0.005%  |
| 110 | 7.797 | 7.785 | 7.815 | HH | 406    | 2772    | 0.05%  | 0.003%  |
| 111 | 7.840 | 7.815 | 7.864 | PH | 288    | 714     | 0.01%  | 0.001%  |
| 112 | 7.883 | 7.864 | 7.915 | PH | 341    | 3173    | 0.06%  | 0.003%  |
| 113 | 7.938 | 7.915 | 7.959 | PH | 1398   | 16933   | 0.33%  | 0.016%  |
| 114 | 7.972 | 7.959 | 7.987 | PH | 427    | 3397    | 0.07%  | 0.003%  |
| 115 | 8.007 | 7.987 | 8.075 | HH | 1891   | 38171   | 0.75%  | 0.036%  |
| 116 | 8.090 | 8.075 | 8.119 | HH | 536    | 7522    | 0.15%  | 0.007%  |
| 117 | 8.144 | 8.119 | 8.154 | PH | 2002   | 18967   | 0.37%  | 0.018%  |
| 118 | 8.182 | 8.154 | 8.218 | HH | 223270 | 2229317 | 43.79% | 2.130%  |
| 119 | 8.228 | 8.218 | 8.257 | HH | 562    | 7454    | 0.15%  | 0.007%  |
| 120 | 8.288 | 8.257 | 8.337 | HH | 58729  | 547474  | 10.75% | 0.523%  |
| 121 | 8.357 | 8.337 | 8.388 | HH | 933    | 13543   | 0.27%  | 0.013%  |
| 122 | 8.416 | 8.388 | 8.438 | HH | 643    | 9760    | 0.19%  | 0.009%  |
| 123 | 8.453 | 8.438 | 8.478 | HH | 394    | 6333    | 0.12%  | 0.006%  |
| 124 | 8.487 | 8.478 | 8.505 | HH | 260    | 2820    | 0.06%  | 0.003%  |
| 125 | 8.552 | 8.505 | 8.569 | HH | 1449   | 22178   | 0.44%  | 0.021%  |
| 126 | 8.580 | 8.569 | 8.597 | HH | 509    | 7226    | 0.14%  | 0.007%  |
| 127 | 8.618 | 8.597 | 8.638 | HH | 5382   | 55734   | 1.09%  | 0.053%  |
| 128 | 8.658 | 8.638 | 8.675 | HH | 1477   | 22588   | 0.44%  | 0.022%  |
| 129 | 8.707 | 8.675 | 8.737 | HH | 3087   | 46432   | 0.91%  | 0.044%  |
| 130 | 8.752 | 8.737 | 8.774 | HH | 426    | 6357    | 0.12%  | 0.006%  |
| 131 | 8.794 | 8.774 | 8.815 | HH | 939    | 12292   | 0.24%  | 0.012%  |
| 132 | 8.844 | 8.815 | 8.867 | HH | 1410   | 23469   | 0.46%  | 0.022%  |
| 133 | 8.888 | 8.867 | 8.903 | HH | 1111   | 14471   | 0.28%  | 0.014%  |
| 134 | 8.918 | 8.903 | 8.950 | HH | 653    | 15566   | 0.31%  | 0.015%  |
| 135 | 8.984 | 8.950 | 8.998 | HH | 1481   | 25189   | 0.49%  | 0.024%  |
| 136 | 9.011 | 8.998 | 9.035 | HH | 1405   | 17543   | 0.34%  | 0.017%  |
| 137 | 9.050 | 9.035 | 9.115 | HH | 1086   | 20953   | 0.41%  | 0.020%  |
| 138 | 9.165 | 9.115 | 9.180 | HH | 1239   | 16437   | 0.32%  | 0.016%  |
| 139 | 9.195 | 9.180 | 9.230 | HH | 1056   | 15211   | 0.30%  | 0.015%  |
| 140 | 9.298 | 9.230 | 9.314 | HH | 1312   | 28452   | 0.56%  | 0.027%  |
| 141 | 9.331 | 9.314 | 9.343 | HH | 1119   | 15827   | 0.31%  | 0.015%  |

| rteres |        |        |        |    |        |         |        |        |  |
|--------|--------|--------|--------|----|--------|---------|--------|--------|--|
| 142    | 9.357  | 9.343  | 9.370  | HH | 1335   | 17887   | 0.35%  | 0.017% |  |
| 143    | 9.387  | 9.370  | 9.410  | HH | 3926   | 47919   | 0.94%  | 0.046% |  |
| 144    | 9.424  | 9.410  | 9.445  | HH | 1286   | 20676   | 0.41%  | 0.020% |  |
| 145    | 9.462  | 9.445  | 9.486  | HH | 1249   | 25271   | 0.50%  | 0.024% |  |
| 146    | 9.500  | 9.486  | 9.517  | HH | 1229   | 17158   | 0.34%  | 0.016% |  |
| 147    | 9.533  | 9.517  | 9.547  | HH | 1335   | 18170   | 0.36%  | 0.017% |  |
| 148    | 9.557  | 9.547  | 9.585  | HH | 970    | 18799   | 0.37%  | 0.018% |  |
| 149    | 9.591  | 9.585  | 9.633  | HH | 899    | 16584   | 0.33%  | 0.016% |  |
| 150    | 9.701  | 9.633  | 9.717  | HH | 1458   | 33519   | 0.66%  | 0.032% |  |
| 151    | 9.749  | 9.717  | 9.782  | HH | 227314 | 2352644 | 46.22% | 2.248% |  |
| 152    | 9.796  | 9.782  | 9.858  | HH | 1184   | 39820   | 0.78%  | 0.038% |  |
| 153    | 9.875  | 9.858  | 9.906  | HH | 723    | 17176   | 0.34%  | 0.016% |  |
| 154    | 9.923  | 9.906  | 9.933  | HH | 574    | 8206    | 0.16%  | 0.008% |  |
| 155    | 9.948  | 9.933  | 9.983  | HH | 956    | 18699   | 0.37%  | 0.018% |  |
| 156    | 9.992  | 9.983  | 10.011 | HH | 479    | 7382    | 0.15%  | 0.007% |  |
| 157    | 10.021 | 10.011 | 10.031 | HH | 501    | 5384    | 0.11%  | 0.005% |  |
| 158    | 10.060 | 10.031 | 10.075 | HH | 844    | 16329   | 0.32%  | 0.016% |  |
| 159    | 10.129 | 10.075 | 10.147 | HH | 2960   | 62557   | 1.23%  | 0.060% |  |
| 160    | 10.160 | 10.147 | 10.183 | HH | 1923   | 28571   | 0.56%  | 0.027% |  |
| 161    | 10.212 | 10.183 | 10.227 | HH | 1456   | 29457   | 0.58%  | 0.028% |  |
| 162    | 10.242 | 10.227 | 10.268 | HH | 1368   | 27194   | 0.53%  | 0.026% |  |
| 163    | 10.287 | 10.268 | 10.318 | HH | 2072   | 36844   | 0.72%  | 0.035% |  |
| 164    | 10.368 | 10.318 | 10.391 | HH | 1376   | 41395   | 0.81%  | 0.040% |  |
| 165    | 10.422 | 10.391 | 10.438 | HH | 1182   | 29903   | 0.59%  | 0.029% |  |
| 166    | 10.471 | 10.438 | 10.508 | HH | 2775   | 65410   | 1.28%  | 0.062% |  |
| 167    | 10.539 | 10.508 | 10.616 | HH | 5584   | 145775  | 2.86%  | 0.139% |  |
| 168    | 10.639 | 10.616 | 10.673 | HH | 1819   | 42733   | 0.84%  | 0.041% |  |
| 169    | 10.688 | 10.673 | 10.705 | HH | 1134   | 19326   | 0.38%  | 0.018% |  |
| 170    | 10.727 | 10.705 | 10.740 | HH | 1389   | 26734   | 0.53%  | 0.026% |  |
| 171    | 10.765 | 10.740 | 10.817 | HH | 15168  | 200197  | 3.93%  | 0.191% |  |
| 172    | 10.838 | 10.817 | 10.858 | HH | 5155   | 70310   | 1.38%  | 0.067% |  |
| 173    | 10.869 | 10.858 | 10.902 | HH | 2162   | 43260   | 0.85%  | 0.041% |  |
| 174    | 10.921 | 10.902 | 10.940 | HH | 1315   | 26286   | 0.52%  | 0.025% |  |
| 175    | 10.968 | 10.940 | 10.983 | HH | 1378   | 31933   | 0.63%  | 0.031% |  |
| 176    | 10.990 | 10.983 | 11.005 | HH | 1261   | 15833   | 0.31%  | 0.015% |  |
| 177    | 11.064 | 11.005 | 11.082 | HH | 1812   | 61791   | 1.21%  | 0.059% |  |
| 178    | 11.101 | 11.082 | 11.118 | HH | 1568   | 31499   | 0.62%  | 0.030% |  |
| 179    | 11.162 | 11.118 | 11.204 | HH | 222559 | 2455428 | 48.24% | 2.346% |  |
| 180    | 11.250 | 11.204 | 11.324 | HH | 4604   | 147812  | 2.90%  | 0.141% |  |
| 181    | 11.347 | 11.324 | 11.378 | HH | 1459   | 42654   | 0.84%  | 0.041% |  |
| 182    | 11.403 | 11.378 | 11.418 | HH | 1937   | 36166   | 0.71%  | 0.035% |  |
| 183    | 11.443 | 11.418 | 11.493 | HH | 1875   | 70737   | 1.39%  | 0.068% |  |
| 184    | 11.551 | 11.493 | 11.565 | HH | 3457   | 83777   | 1.65%  | 0.080% |  |
| 185    | 11.585 | 11.565 | 11.617 | HH | 6548   | 109680  | 2.15%  | 0.105% |  |
| 186    | 11.667 | 11.617 | 11.685 | HH | 4830   | 108467  | 2.13%  | 0.104% |  |
| 187    | 11.699 | 11.685 | 11.713 | HH | 2969   | 44145   | 0.87%  | 0.042% |  |
| 188    | 11.728 | 11.713 | 11.753 | HH | 3102   | 57467   | 1.13%  | 0.055% |  |
| 189    | 11.821 | 11.753 | 11.857 | HH | 6577   | 189164  | 3.72%  | 0.181% |  |
| 190    | 11.881 | 11.857 | 11.918 | HH | 2488   | 75756   | 1.49%  | 0.072% |  |
| 191    | 11.939 | 11.918 | 11.991 | HH | 2416   | 84151   | 1.65%  | 0.080% |  |
| 192    | 12.016 | 11.991 | 12.055 | HH | 2609   | 77777   | 1.53%  | 0.074% |  |
| 193    | 12.079 | 12.055 | 12.133 | HH | 2258   | 90226   | 1.77%  | 0.086% |  |
| 194    | 12.157 | 12.133 | 12.171 | HH | 1951   | 41988   | 0.82%  | 0.040% |  |

Instrument :  
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Manual Integrations  
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| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 12.181 | 12.171 | 12.191 | HH | 1918   | 22478   | 0.44%  | 0.021% |
| 196    | 12.224 | 12.191 | 12.242 | HH | 2291   | 62646   | 1.23%  | 0.060% |
| 197    | 12.280 | 12.242 | 12.302 | HH | 2567   | 78427   | 1.54%  | 0.075% |
| 198    | 12.323 | 12.302 | 12.358 | HH | 2732   | 75997   | 1.49%  | 0.073% |
| 199    | 12.370 | 12.358 | 12.391 | HH | 2037   | 39533   | 0.78%  | 0.038% |
| 200    | 12.447 | 12.391 | 12.485 | HH | 213382 | 2542060 | 49.94% | 2.429% |
| 201    | 12.517 | 12.485 | 12.529 | HH | 2934   | 71377   | 1.40%  | 0.068% |
| 202    | 12.553 | 12.529 | 12.605 | HH | 14171  | 231455  | 4.55%  | 0.221% |
| 203    | 12.620 | 12.605 | 12.650 | HH | 2053   | 52690   | 1.04%  | 0.050% |
| 204    | 12.672 | 12.650 | 12.686 | HH | 2750   | 50337   | 0.99%  | 0.048% |
| 205    | 12.705 | 12.686 | 12.720 | HH | 2918   | 52367   | 1.03%  | 0.050% |
| 206    | 12.732 | 12.720 | 12.753 | HH | 2747   | 48405   | 0.95%  | 0.046% |
| 207    | 12.776 | 12.753 | 12.817 | HH | 2384   | 86700   | 1.70%  | 0.083% |
| 208    | 12.850 | 12.817 | 12.879 | HH | 12206  | 197618  | 3.88%  | 0.189% |
| 209    | 12.903 | 12.879 | 12.919 | HH | 3804   | 72087   | 1.42%  | 0.069% |
| 210    | 12.938 | 12.919 | 12.961 | HH | 4221   | 81451   | 1.60%  | 0.078% |
| 211    | 12.975 | 12.961 | 13.005 | HH | 2663   | 64458   | 1.27%  | 0.062% |
| 212    | 13.056 | 13.005 | 13.087 | HH | 12957  | 252279  | 4.96%  | 0.241% |
| 213    | 13.112 | 13.087 | 13.145 | HH | 3498   | 95796   | 1.88%  | 0.092% |
| 214    | 13.166 | 13.145 | 13.192 | HH | 3132   | 76480   | 1.50%  | 0.073% |
| 215    | 13.229 | 13.192 | 13.242 | HH | 2549   | 71596   | 1.41%  | 0.068% |
| 216    | 13.277 | 13.242 | 13.320 | HH | 6629   | 166943  | 3.28%  | 0.160% |
| 217    | 13.339 | 13.320 | 13.365 | HH | 2556   | 66532   | 1.31%  | 0.064% |
| 218    | 13.380 | 13.365 | 13.395 | HH | 2524   | 44442   | 0.87%  | 0.042% |
| 219    | 13.426 | 13.395 | 13.468 | HH | 4520   | 135219  | 2.66%  | 0.129% |
| 220    | 13.479 | 13.468 | 13.505 | HH | 2685   | 55900   | 1.10%  | 0.053% |
| 221    | 13.533 | 13.505 | 13.555 | HH | 3943   | 94069   | 1.85%  | 0.090% |
| 222    | 13.624 | 13.555 | 13.665 | HH | 206331 | 2581472 | 50.71% | 2.467% |
| 223    | 13.681 | 13.665 | 13.692 | HH | 3652   | 55377   | 1.09%  | 0.053% |
| 224    | 13.699 | 13.692 | 13.721 | HH | 3464   | 54627   | 1.07%  | 0.052% |
| 225    | 13.739 | 13.721 | 13.778 | HH | 3269   | 100760  | 1.98%  | 0.096% |
| 226    | 13.792 | 13.778 | 13.811 | HH | 3335   | 60739   | 1.19%  | 0.058% |
| 227    | 13.855 | 13.811 | 13.899 | HH | 3764   | 164047  | 3.22%  | 0.157% |
| 228    | 13.921 | 13.899 | 13.941 | HH | 2916   | 71471   | 1.40%  | 0.068% |
| 229    | 13.992 | 13.941 | 14.005 | HH | 3559   | 120672  | 2.37%  | 0.115% |
| 230    | 14.025 | 14.005 | 14.052 | HH | 4936   | 106495  | 2.09%  | 0.102% |
| 231    | 14.062 | 14.052 | 14.088 | HH | 2968   | 62489   | 1.23%  | 0.060% |
| 232    | 14.121 | 14.088 | 14.138 | HH | 3252   | 94269   | 1.85%  | 0.090% |
| 233    | 14.175 | 14.138 | 14.198 | HH | 5953   | 148651  | 2.92%  | 0.142% |
| 234    | 14.222 | 14.198 | 14.241 | HH | 8252   | 140805  | 2.77%  | 0.135% |
| 235    | 14.267 | 14.241 | 14.318 | HH | 30969  | 486863  | 9.56%  | 0.465% |
| 236    | 14.329 | 14.318 | 14.364 | HH | 4039   | 99083   | 1.95%  | 0.095% |
| 237    | 14.392 | 14.364 | 14.404 | HH | 4281   | 91434   | 1.80%  | 0.087% |
| 238    | 14.424 | 14.404 | 14.471 | HH | 6789   | 180946  | 3.55%  | 0.173% |
| 239    | 14.508 | 14.471 | 14.554 | HH | 154044 | 2147934 | 42.20% | 2.052% |
| 240    | 14.570 | 14.554 | 14.593 | HH | 4238   | 91605   | 1.80%  | 0.088% |
| 241    | 14.606 | 14.593 | 14.617 | HH | 3583   | 50703   | 1.00%  | 0.048% |
| 242    | 14.636 | 14.617 | 14.646 | HH | 3776   | 64834   | 1.27%  | 0.062% |
| 243    | 14.708 | 14.646 | 14.804 | HH | 189615 | 2848702 | 55.96% | 2.722% |
| 244    | 14.827 | 14.804 | 14.845 | HH | 4548   | 104590  | 2.05%  | 0.100% |
| 245    | 14.860 | 14.845 | 14.876 | HH | 4982   | 87774   | 1.72%  | 0.084% |
| 246    | 14.931 | 14.876 | 14.948 | HH | 8035   | 246457  | 4.84%  | 0.235% |

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| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 14.958 | 14.948 | 14.985 | HH | 6377   | 126627  | 2.49%  | 0.121% |
| 248    | 15.011 | 14.985 | 15.026 | HH | 5542   | 129923  | 2.55%  | 0.124% |
| 249    | 15.037 | 15.026 | 15.048 | HH | 5347   | 68195   | 1.34%  | 0.065% |
| 250    | 15.096 | 15.048 | 15.187 | HH | 25485  | 732918  | 14.40% | 0.700% |
| 251    | 15.218 | 15.187 | 15.248 | HH | 13091  | 292437  | 5.74%  | 0.279% |
| 252    | 15.267 | 15.248 | 15.308 | HH | 6497   | 223459  | 4.39%  | 0.214% |
| 253    | 15.359 | 15.308 | 15.380 | HH | 6700   | 268271  | 5.27%  | 0.256% |
| 254    | 15.396 | 15.380 | 15.419 | HH | 6599   | 151460  | 2.98%  | 0.145% |
| 255    | 15.446 | 15.419 | 15.457 | HH | 6461   | 141497  | 2.78%  | 0.135% |
| 256    | 15.476 | 15.457 | 15.488 | HH | 6891   | 125031  | 2.46%  | 0.119% |
| 257    | 15.527 | 15.488 | 15.564 | HH | 7787   | 332443  | 6.53%  | 0.318% |
| 258    | 15.602 | 15.564 | 15.627 | HH | 7682   | 279621  | 5.49%  | 0.267% |
| 259    | 15.654 | 15.627 | 15.668 | HH | 7683   | 183521  | 3.61%  | 0.175% |
| 260    | 15.712 | 15.668 | 15.764 | HH | 195530 | 2802815 | 55.06% | 2.678% |
| 261    | 15.781 | 15.764 | 15.808 | HH | 8256   | 216873  | 4.26%  | 0.207% |
| 262    | 15.832 | 15.808 | 15.841 | HH | 8767   | 167618  | 3.29%  | 0.160% |
| 263    | 15.869 | 15.841 | 15.884 | HH | 11421  | 264715  | 5.20%  | 0.253% |
| 264    | 15.946 | 15.884 | 16.032 | HH | 40566  | 1797705 | 35.31% | 1.718% |
| 265    | 16.064 | 16.032 | 16.153 | HH | 13842  | 884104  | 17.37% | 0.845% |
| 266    | 16.185 | 16.153 | 16.212 | HH | 25240  | 549152  | 10.79% | 0.525% |
| 267    | 16.238 | 16.212 | 16.247 | HH | 12824  | 242233  | 4.76%  | 0.231% |
| 268    | 16.259 | 16.247 | 16.275 | HH | 13132  | 216812  | 4.26%  | 0.207% |
| 269    | 16.289 | 16.275 | 16.318 | HH | 12810  | 301198  | 5.92%  | 0.288% |
| 270    | 16.345 | 16.318 | 16.441 | HH | 20589  | 898195  | 17.64% | 0.858% |
| 271    | 16.485 | 16.441 | 16.538 | HH | 16185  | 727409  | 14.29% | 0.695% |
| 272    | 16.558 | 16.538 | 16.588 | HH | 12965  | 341042  | 6.70%  | 0.326% |
| 273    | 16.644 | 16.588 | 16.680 | HH | 197383 | 2943608 | 57.83% | 2.813% |
| 274    | 16.710 | 16.680 | 16.749 | HH | 19829  | 565968  | 11.12% | 0.541% |
| 275    | 16.768 | 16.749 | 16.791 | HH | 11055  | 276477  | 5.43%  | 0.264% |
| 276    | 16.798 | 16.791 | 16.823 | HH | 10892  | 204206  | 4.01%  | 0.195% |
| 277    | 16.858 | 16.823 | 16.898 | HH | 11621  | 499764  | 9.82%  | 0.478% |
| 278    | 16.924 | 16.898 | 16.950 | HH | 11905  | 349666  | 6.87%  | 0.334% |
| 279    | 16.973 | 16.950 | 16.995 | HH | 11579  | 300434  | 5.90%  | 0.287% |
| 280    | 17.014 | 16.995 | 17.048 | HH | 11803  | 356365  | 7.00%  | 0.340% |
| 281    | 17.086 | 17.048 | 17.172 | HH | 32276  | 1069504 | 21.01% | 1.022% |
| 282    | 17.196 | 17.172 | 17.213 | HH | 11011  | 267750  | 5.26%  | 0.256% |
| 283    | 17.223 | 17.213 | 17.288 | HH | 10855  | 465717  | 9.15%  | 0.445% |
| 284    | 17.327 | 17.288 | 17.345 | HH | 11602  | 376055  | 7.39%  | 0.359% |
| 285    | 17.358 | 17.345 | 17.393 | HH | 11299  | 316363  | 6.21%  | 0.302% |
| 286    | 17.406 | 17.393 | 17.431 | HH | 10876  | 246198  | 4.84%  | 0.235% |
| 287    | 17.515 | 17.431 | 17.569 | HH | 182089 | 3166517 | 62.20% | 3.026% |
| 288    | 17.609 | 17.569 | 17.650 | HH | 11060  | 523369  | 10.28% | 0.500% |
| 289    | 17.670 | 17.650 | 17.684 | HH | 11005  | 222350  | 4.37%  | 0.212% |
| 290    | 17.701 | 17.684 | 17.752 | HH | 11468  | 452391  | 8.89%  | 0.432% |
| 291    | 17.780 | 17.752 | 17.815 | HH | 11998  | 422357  | 8.30%  | 0.404% |
| 292    | 17.829 | 17.815 | 17.844 | HH | 11036  | 194078  | 3.81%  | 0.185% |
| 293    | 17.879 | 17.844 | 17.896 | HH | 17998  | 445384  | 8.75%  | 0.426% |
| 294    | 17.929 | 17.896 | 17.987 | HH | 27733  | 899692  | 17.67% | 0.860% |
| 295    | 18.006 | 17.987 | 18.020 | HH | 11125  | 212278  | 4.17%  | 0.203% |
| 296    | 18.064 | 18.020 | 18.080 | HH | 12155  | 414331  | 8.14%  | 0.396% |
| 297    | 18.104 | 18.080 | 18.159 | HH | 13826  | 572564  | 11.25% | 0.547% |
| 298    | 18.189 | 18.159 | 18.200 | HH | 11750  | 281355  | 5.53%  | 0.269% |
| 299    | 18.217 | 18.200 | 18.272 | HH | 11867  | 480012  | 9.43%  | 0.459% |

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| rteres                  |        |        |        |     |        |           |         |        |
|-------------------------|--------|--------|--------|-----|--------|-----------|---------|--------|
| 300                     | 18.332 | 18.272 | 18.417 | HH  | 162809 | 3122783   | 61.35%  | 2.984% |
| 301                     | 18.444 | 18.417 | 18.461 | HH  | 11823  | 309664    | 6.08%   | 0.296% |
| 302                     | 18.490 | 18.461 | 18.515 | HH  | 13209  | 397665    | 7.81%   | 0.380% |
| 303                     | 18.525 | 18.515 | 18.560 | HH  | 12523  | 331905    | 6.52%   | 0.317% |
| 304                     | 18.581 | 18.560 | 18.595 | HH  | 12358  | 248811    | 4.89%   | 0.238% |
| 305                     | 18.633 | 18.595 | 18.664 | HH  | 12486  | 515234    | 10.12%  | 0.492% |
| 306                     | 18.724 | 18.664 | 18.762 | HH  | 36332  | 1148433   | 22.56%  | 1.097% |
| 307                     | 18.778 | 18.762 | 18.814 | HH  | 16036  | 452398    | 8.89%   | 0.432% |
| 308                     | 18.851 | 18.814 | 18.897 | HH  | 14478  | 694039    | 13.63%  | 0.663% |
| 309                     | 18.915 | 18.897 | 18.948 | HH  | 13461  | 399211    | 7.84%   | 0.381% |
| 310                     | 18.971 | 18.948 | 18.991 | HH  | 13436  | 343043    | 6.74%   | 0.328% |
| 311                     | 19.007 | 18.991 | 19.027 | HH  | 13428  | 283645    | 5.57%   | 0.271% |
| 312                     | 19.102 | 19.027 | 19.158 | HH  | 145152 | 2869565   | 56.37%  | 2.742% |
| 313                     | 19.174 | 19.158 | 19.184 | HH  | 13928  | 215593    | 4.24%   | 0.206% |
| 314                     | 19.241 | 19.184 | 19.287 | HH  | 15916  | 933058    | 18.33%  | 0.892% |
| 315                     | 19.352 | 19.287 | 19.391 | HH  | 16646  | 962561    | 18.91%  | 0.920% |
| 316                     | 19.407 | 19.391 | 19.424 | HH  | 15741  | 310830    | 6.11%   | 0.297% |
| 317                     | 19.469 | 19.424 | 19.544 | HH  | 18865  | 1218438   | 23.94%  | 1.164% |
| 318                     | 19.576 | 19.544 | 19.607 | HH  | 16866  | 622931    | 12.24%  | 0.595% |
| 319                     | 19.624 | 19.607 | 19.639 | HH  | 16770  | 309622    | 6.08%   | 0.296% |
| 320                     | 19.772 | 19.639 | 19.785 | HH  | 18377  | 1534413   | 30.14%  | 1.466% |
| 321                     | 19.830 | 19.785 | 19.900 | HH  | 136628 | 2916867   | 57.30%  | 2.787% |
| 322                     | 19.996 | 19.900 | 20.023 | HH  | 21313  | 1491837   | 29.31%  | 1.425% |
| 323                     | 20.044 | 20.023 | 20.066 | HH  | 21384  | 537599    | 10.56%  | 0.514% |
| 324                     | 20.098 | 20.066 | 20.115 | HH  | 20775  | 594256    | 11.67%  | 0.568% |
| 325                     | 20.126 | 20.115 | 20.131 | HH  | 20609  | 205286    | 4.03%   | 0.196% |
| 326                     | 20.201 | 20.131 | 20.227 | HH  | 26731  | 1328379   | 26.10%  | 1.269% |
| 327                     | 20.284 | 20.227 | 20.343 | HH  | 26228  | 1659045   | 32.59%  | 1.585% |
| 328                     | 20.359 | 20.343 | 20.370 | HH  | 22883  | 369713    | 7.26%   | 0.353% |
| 329                     | 20.408 | 20.370 | 20.418 | HH  | 23280  | 660737    | 12.98%  | 0.631% |
| 330                     | 20.440 | 20.418 | 20.480 | HH  | 23638  | 869375    | 17.08%  | 0.831% |
| 331                     | 20.522 | 20.480 | 20.576 | HH  | 119868 | 2724695   | 53.53%  | 2.603% |
| 332                     | 20.594 | 20.576 | 20.609 | HH  | 23263  | 457099    | 8.98%   | 0.437% |
| 333                     | 20.625 | 20.609 | 20.685 | HH  | 23144  | 1047824   | 20.58%  | 1.001% |
| 334                     | 20.711 | 20.685 | 20.725 | HH  | 24222  | 568570    | 11.17%  | 0.543% |
| 335                     | 20.747 | 20.725 | 20.801 | HH  | 25002  | 1087051   | 21.35%  | 1.039% |
| 336                     | 20.814 | 20.801 | 20.825 | HH  | 23241  | 332750    | 6.54%   | 0.318% |
| 337                     | 20.897 | 20.825 | 20.965 | HH  | 25389  | 2017659   | 39.64%  | 1.928% |
| 338                     | 20.980 | 20.965 | 20.995 | HH  | 24253  | 435155    | 8.55%   | 0.416% |
| 339                     | 21.021 | 20.995 | 21.068 | HH  | 24355  | 1055353   | 20.73%  | 1.008% |
| 340                     | 21.083 | 21.068 | 21.107 | HH  | 23710  | 552671    | 10.86%  | 0.528% |
| 341                     | 21.118 | 21.107 | 21.148 | HH  | 23739  | 581065    | 11.41%  | 0.555% |
| 342                     | 21.319 | 21.148 | 21.401 | HHA | 94639  | 5090492   | 100.00% | 4.864% |
| Sum of corrected areas: |        |        |        |     |        | 104660864 |         |        |

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