

Instrument :  
FID\_G  
ClientSampleId :  
18-B4(2-4)

rteres

## Area Percent Report

Manual Integrations  
APPROVED

Ankita  
6/4/2021 1:14:55 PM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG060321\  
Data File : FG008155.D  
Signal(s) : FID1A.ch  
Acq On : 03 Jun 2021 11:19  
Sample : M2580-11 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG052521.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         | 2.370       | 2.351        | 2.391      | BH       | 186            | 789          | 0.02%          | 0.000%        |
| 2         | 2.400       | 2.391        | 2.427      | PH       | -12            | -904         | -0.02%         | -0.000%       |
| 3         | 2.437       | 2.427        | 2.458      | PH       | -14            | -1103        | -0.02%         | -0.001%       |
| 4         | 2.481       | 2.458        | 2.499      | PH       | 26             | -471         | -0.01%         | -0.000%       |
| 5         | 2.506       | 2.499        | 2.522      | PH       | 31             | -225         | -0.00%         | -0.000%       |
| 6         | 2.556       | 2.522        | 2.595      | PH       | 453            | 3597         | 0.07%          | 0.002%        |
| 7         | 2.606       | 2.595        | 2.676      | PH       | 858            | 7571         | 0.16%          | 0.004%        |
| 8         | 2.748       | 2.676        | 2.760      | PH       | 97             | 201          | 0.00%          | 0.000%        |
| 9         | 2.778       | 2.760        | 2.798      | PH       | 71             | 638          | 0.01%          | 0.000%        |
| 10        | 2.800       | 2.798        | 2.811      | HH       | 84             | 44           | 0.00%          | 0.000%        |
| 11        | 2.834       | 2.811        | 2.901      | PH       | 420            | 3361         | 0.07%          | 0.002%        |
| 12        | 2.924       | 2.901        | 2.955      | PH       | 608            | 6977         | 0.14%          | 0.004%        |
| 13        | 2.960       | 2.955        | 2.985      | PH       | 16             | -194         | -0.00%         | -0.000%       |
| 14        | 2.994       | 2.985        | 3.018      | PH       | 21             | -151         | -0.00%         | -0.000%       |
| 15        | 3.057       | 3.018        | 3.067      | PH       | 145            | 133          | 0.00%          | 0.000%        |
| 16        | 3.106       | 3.067        | 3.141      | PH       | 2734           | 31610        | 0.66%          | 0.017%        |
| 17        | 3.152       | 3.141        | 3.177      | HH       | 405            | 4890         | 0.10%          | 0.003%        |
| 18        | 3.185       | 3.177        | 3.248      | HH       | 163            | 354          | 0.01%          | 0.000%        |
| 19        | 3.259       | 3.248        | 3.275      | PH       | 147            | 476          | 0.01%          | 0.000%        |
| 20        | 3.287       | 3.275        | 3.318      | PH       | 643            | 5233         | 0.11%          | 0.003%        |
| 21        | 3.325       | 3.318        | 3.390      | PH       | -8             | -3570        | -0.07%         | -0.002%       |
| 22        | 3.403       | 3.390        | 3.416      | PH       | 105            | -451         | -0.01%         | -0.000%       |
| 23        | 3.423       | 3.416        | 3.495      | PH       | -96            | -6924        | -0.14%         | -0.004%       |
| 24        | 3.506       | 3.495        | 3.518      | PH       | -57            | -1393        | -0.03%         | -0.001%       |
| 25        | 3.531       | 3.518        | 3.557      | PH       | -63            | -3007        | -0.06%         | -0.002%       |
| 26        | 3.569       | 3.557        | 3.584      | PH       | 5              | -987         | -0.02%         | -0.001%       |
| 27        | 3.598       | 3.584        | 3.638      | PH       | 1              | -3862        | -0.08%         | -0.002%       |
| 28        | 3.648       | 3.638        | 3.657      | PH       | -136           | -2224        | -0.05%         | -0.001%       |
| 29        | 3.708       | 3.657        | 3.765      | PH       | 863            | 667          | 0.01%          | 0.000%        |
| 30        | 3.782       | 3.765        | 3.802      | PH       | 119            | -882         | -0.02%         | -0.000%       |
| 31        | 3.817       | 3.802        | 3.828      | PH       | -42            | -1560        | -0.03%         | -0.001%       |

|    |       |       |       |    |      |       |        |         |
|----|-------|-------|-------|----|------|-------|--------|---------|
| 32 | 3.836 | 3.828 | 3.872 | PH | -115 | -3557 | -0.07% | -0.002% |
| 33 | 3.901 | 3.872 | 3.940 | PH | 426  | 232   | 0.00%  | 0.00%   |
| 34 | 3.955 | 3.940 | 3.971 | PH | -80  | -2285 | -0.05% | -0.00%  |
| 35 | 3.987 | 3.971 | 4.040 | PH | 21   | -5313 | -0.11% | -0.00%  |
| 36 | 4.064 | 4.040 | 4.143 | PH | 2042 | 18002 | 0.37%  | 0.01%   |
| 37 | 4.159 | 4.143 | 4.203 | PH | 151  | -736  | -0.02% | -0.000% |
| 38 | 4.225 | 4.203 | 4.247 | PH | 1686 | 20810 | 0.43%  | 0.011%  |
| 39 | 4.260 | 4.247 | 4.321 | HH | 1060 | 14063 | 0.29%  | 0.008%  |
| 40 | 4.333 | 4.321 | 4.386 | PH | 54   | -3232 | -0.07% | -0.002% |
| 41 | 4.435 | 4.386 | 4.450 | PH | -37  | -4994 | -0.10% | -0.003% |
| 42 | 4.481 | 4.450 | 4.497 | PH | 505  | 1542  | 0.03%  | 0.001%  |
| 43 | 4.520 | 4.497 | 4.565 | PH | 3508 | 33425 | 0.69%  | 0.018%  |
| 44 | 4.587 | 4.565 | 4.611 | PH | 252  | 953   | 0.02%  | 0.001%  |
| 45 | 4.628 | 4.611 | 4.665 | PH | 1840 | 13391 | 0.28%  | 0.007%  |
| 46 | 4.700 | 4.665 | 4.725 | PH | 2293 | 22405 | 0.46%  | 0.012%  |
| 47 | 4.734 | 4.725 | 4.757 | HH | 77   | -191  | -0.00% | -0.000% |
| 48 | 4.769 | 4.757 | 4.787 | PH | 29   | -1327 | -0.03% | -0.001% |
| 49 | 4.819 | 4.787 | 4.851 | PH | 1354 | 10303 | 0.21%  | 0.006%  |
| 50 | 4.860 | 4.851 | 4.885 | PH | 7    | -1081 | -0.02% | -0.001% |
| 51 | 4.897 | 4.885 | 4.922 | PH | -33  | -2269 | -0.05% | -0.001% |
| 52 | 4.937 | 4.922 | 4.951 | PH | -79  | -2198 | -0.05% | -0.001% |
| 53 | 4.959 | 4.951 | 5.006 | PH | -71  | -5310 | -0.11% | -0.003% |
| 54 | 5.035 | 5.006 | 5.068 | PH | 1348 | 12231 | 0.25%  | 0.007%  |
| 55 | 5.075 | 5.068 | 5.104 | PH | -27  | -2854 | -0.06% | -0.002% |
| 56 | 5.127 | 5.104 | 5.148 | PH | -139 | -4502 | -0.09% | -0.002% |
| 57 | 5.162 | 5.148 | 5.195 | PH | -32  | -3513 | -0.07% | -0.002% |
| 58 | 5.225 | 5.195 | 5.275 | PH | 201  | -6895 | -0.14% | -0.004% |
| 59 | 5.310 | 5.275 | 5.324 | PH | 215  | 414   | 0.01%  | 0.000%  |
| 60 | 5.343 | 5.324 | 5.391 | PH | 1039 | 4358  | 0.09%  | 0.002%  |
| 61 | 5.406 | 5.391 | 5.432 | PH | -193 | -5726 | -0.12% | -0.003% |
| 62 | 5.474 | 5.432 | 5.502 | PH | 1313 | 2856  | 0.06%  | 0.002%  |
| 63 | 5.524 | 5.502 | 5.547 | PH | 612  | 1584  | 0.03%  | 0.001%  |
| 64 | 5.577 | 5.547 | 5.608 | PH | 161  | -5247 | -0.11% | -0.003% |
| 65 | 5.636 | 5.608 | 5.648 | PH | -78  | -5695 | -0.12% | -0.003% |
| 66 | 5.659 | 5.648 | 5.678 | PH | -53  | -3886 | -0.08% | -0.002% |
| 67 | 5.694 | 5.678 | 5.704 | PH | -242 | -4109 | -0.09% | -0.002% |
| 68 | 5.715 | 5.704 | 5.731 | PH | -124 | -3789 | -0.08% | -0.002% |
| 69 | 5.775 | 5.731 | 5.814 | PH | 1963 | 26576 | 0.55%  | 0.014%  |
| 70 | 5.830 | 5.814 | 5.845 | PH | 206  | 416   | 0.01%  | 0.000%  |
| 71 | 5.853 | 5.845 | 5.883 | PH | 104  | -2112 | -0.04% | -0.001% |
| 72 | 5.928 | 5.883 | 5.940 | PH | 233  | -4111 | -0.09% | -0.002% |
| 73 | 5.956 | 5.940 | 6.001 | PH | 1002 | 3384  | 0.07%  | 0.002%  |
| 74 | 6.031 | 6.001 | 6.052 | PH | 561  | 399   | 0.01%  | 0.000%  |
| 75 | 6.080 | 6.052 | 6.109 | PH | 3895 | 32380 | 0.67%  | 0.017%  |
| 76 | 6.137 | 6.109 | 6.159 | PH | 2436 | 20626 | 0.43%  | 0.011%  |
| 77 | 6.175 | 6.159 | 6.197 | PH | 179  | 263   | 0.01%  | 0.000%  |
| 78 | 6.226 | 6.197 | 6.266 | PH | 291  | -1889 | -0.04% | -0.001% |
| 79 | 6.280 | 6.266 | 6.313 | PH | -26  | -5502 | -0.11% | -0.003% |

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|     |       |       |       |    |      |        |        |         |
|-----|-------|-------|-------|----|------|--------|--------|---------|
| 80  | 6.325 | 6.313 | 6.338 | PH | -236 | -4107  | -0.09% | -0.002% |
| 81  | 6.366 | 6.338 | 6.413 | PH | 58   | -5359  | -0.11% | -0.003% |
| 82  | 6.467 | 6.413 | 6.488 | PH | 975  | 2893   | 0.06%  | 0.003%  |
| 83  | 6.514 | 6.488 | 6.541 | PH | 1583 | 15808  | 0.33%  | 0.003%  |
| 84  | 6.551 | 6.541 | 6.601 | PH | 171  | -4346  | -0.09% | -0.003% |
| 85  | 6.612 | 6.601 | 6.641 | PH | -100 | -4787  | -0.10% | -0.003% |
| 86  | 6.660 | 6.641 | 6.682 | PH | 150  | -2922  | -0.06% | -0.002% |
| 87  | 6.712 | 6.682 | 6.747 | PH | 117  | -7195  | -0.15% | -0.004% |
| 88  | 6.789 | 6.747 | 6.804 | PH | -215 | -10095 | -0.21% | -0.005% |
| 89  | 6.834 | 6.804 | 6.870 | PH | 44   | -7925  | -0.16% | -0.004% |
| 90  | 6.886 | 6.870 | 6.901 | PH | -225 | -5078  | -0.11% | -0.003% |
| 91  | 6.918 | 6.901 | 6.951 | PH | -52  | -6784  | -0.14% | -0.004% |
| 92  | 6.986 | 6.951 | 7.005 | PH | 967  | 5773   | 0.12%  | 0.003%  |
| 93  | 7.017 | 7.005 | 7.058 | PH | 48   | -2153  | -0.04% | -0.001% |
| 94  | 7.074 | 7.058 | 7.100 | PH | 539  | 1653   | 0.03%  | 0.001%  |
| 95  | 7.138 | 7.100 | 7.162 | PH | 2928 | 34657  | 0.72%  | 0.019%  |
| 96  | 7.195 | 7.162 | 7.253 | PH | 564  | 8828   | 0.18%  | 0.005%  |
| 97  | 7.276 | 7.253 | 7.300 | PH | 1241 | 8341   | 0.17%  | 0.004%  |
| 98  | 7.312 | 7.300 | 7.344 | PH | -52  | -3666  | -0.08% | -0.002% |
| 99  | 7.367 | 7.344 | 7.387 | PH | 12   | -3604  | -0.07% | -0.002% |
| 100 | 7.397 | 7.387 | 7.410 | PH | -132 | -2743  | -0.06% | -0.001% |
| 101 | 7.437 | 7.410 | 7.470 | PH | 1893 | 14806  | 0.31%  | 0.008%  |
| 102 | 7.506 | 7.470 | 7.547 | PH | 49   | -6578  | -0.14% | -0.004% |
| 103 | 7.573 | 7.547 | 7.598 | PH | 39   | -2767  | -0.06% | -0.001% |
| 104 | 7.620 | 7.598 | 7.641 | PH | 164  | -447   | -0.01% | -0.000% |
| 105 | 7.654 | 7.641 | 7.686 | PH | 39   | -2620  | -0.05% | -0.001% |
| 106 | 7.699 | 7.686 | 7.757 | PH | -178 | -9138  | -0.19% | -0.005% |
| 107 | 7.778 | 7.757 | 7.793 | PH | -33  | -3051  | -0.06% | -0.002% |
| 108 | 7.833 | 7.793 | 7.851 | PH | 1688 | 13900  | 0.29%  | 0.007%  |
| 109 | 7.867 | 7.851 | 7.900 | HH | 980  | 11181  | 0.23%  | 0.006%  |
| 110 | 7.912 | 7.900 | 7.937 | HH | 270  | 1558   | 0.03%  | 0.001%  |
| 111 | 7.960 | 7.937 | 7.978 | PH | 106  | -1743  | -0.04% | -0.001% |
| 112 | 8.007 | 7.978 | 8.041 | PH | 376  | 5627   | 0.12%  | 0.003%  |
| 113 | 8.056 | 8.041 | 8.103 | HH | 333  | 3475   | 0.07%  | 0.002%  |
| 114 | 8.134 | 8.103 | 8.175 | PH | 1579 | 20914  | 0.43%  | 0.011%  |
| 115 | 8.197 | 8.175 | 8.221 | PH | 558  | 6715   | 0.14%  | 0.004%  |
| 116 | 8.242 | 8.221 | 8.256 | HH | 1336 | 13529  | 0.28%  | 0.007%  |
| 117 | 8.270 | 8.256 | 8.285 | HH | 1172 | 13001  | 0.27%  | 0.007%  |
| 118 | 8.310 | 8.285 | 8.338 | HH | 3261 | 39372  | 0.82%  | 0.021%  |
| 119 | 8.361 | 8.338 | 8.379 | HH | 651  | 8555   | 0.18%  | 0.005%  |
| 120 | 8.427 | 8.379 | 8.466 | HH | 3780 | 51345  | 1.06%  | 0.027%  |
| 121 | 8.481 | 8.466 | 8.495 | HH | 368  | 3668   | 0.08%  | 0.002%  |
| 122 | 8.516 | 8.495 | 8.584 | HH | 307  | 6470   | 0.13%  | 0.003%  |
| 123 | 8.599 | 8.584 | 8.626 | PH | 38   | -433   | -0.01% | -0.000% |
| 124 | 8.659 | 8.626 | 8.687 | PH | 743  | 14471  | 0.30%  | 0.008%  |
| 125 | 8.724 | 8.687 | 8.746 | HH | 4474 | 53443  | 1.11%  | 0.029%  |
| 126 | 8.766 | 8.746 | 8.820 | HH | 1439 | 27025  | 0.56%  | 0.014%  |

|     |        |        |        |    |       |        |        |        |
|-----|--------|--------|--------|----|-------|--------|--------|--------|
| 127 | 8.847  | 8.820  | 8.876  | HH | 1236  | 20172  | 0.42%  | 0.011% |
| 128 | 8.891  | 8.876  | 8.914  | HH | 214   | 4089   | 0.08%  | 0.006% |
| 129 | 8.936  | 8.914  | 8.945  | HH | 311   | 3736   | 0.08%  | 0.006% |
| 130 | 8.964  | 8.945  | 8.977  | HH | 843   | 10460  | 0.22%  | 0.006% |
| 131 | 8.997  | 8.977  | 9.018  | HH | 4228  | 45043  | 0.93%  | 0.020% |
| 132 | 9.036  | 9.018  | 9.049  | HH | 1204  | 14516  | 0.30%  | 0.008% |
| 133 | 9.063  | 9.049  | 9.115  | HH | 1323  | 21730  | 0.45%  | 0.012% |
| 134 | 9.135  | 9.115  | 9.157  | HH | 3278  | 36525  | 0.76%  | 0.020% |
| 135 | 9.175  | 9.157  | 9.203  | HH | 831   | 10634  | 0.22%  | 0.006% |
| 136 | 9.227  | 9.203  | 9.250  | HH | 207   | 2754   | 0.06%  | 0.001% |
| 137 | 9.290  | 9.250  | 9.306  | PH | 741   | 10852  | 0.23%  | 0.006% |
| 138 | 9.322  | 9.306  | 9.348  | HH | 742   | 9966   | 0.21%  | 0.005% |
| 139 | 9.372  | 9.348  | 9.391  | HH | 408   | 6522   | 0.14%  | 0.003% |
| 140 | 9.426  | 9.391  | 9.447  | HH | 832   | 15172  | 0.31%  | 0.008% |
| 141 | 9.465  | 9.447  | 9.486  | HH | 601   | 9259   | 0.19%  | 0.005% |
| 142 | 9.510  | 9.486  | 9.565  | HH | 6475  | 83374  | 1.73%  | 0.045% |
| 143 | 9.591  | 9.565  | 9.621  | HH | 1105  | 22133  | 0.46%  | 0.012% |
| 144 | 9.662  | 9.621  | 9.678  | HH | 1112  | 25169  | 0.52%  | 0.013% |
| 145 | 9.691  | 9.678  | 9.708  | HH | 949   | 13435  | 0.28%  | 0.007% |
| 146 | 9.745  | 9.708  | 9.810  | HH | 3333  | 59527  | 1.23%  | 0.032% |
| 147 | 9.833  | 9.810  | 9.893  | HH | 1642  | 39884  | 0.83%  | 0.021% |
| 148 | 9.918  | 9.893  | 9.974  | HH | 3398  | 69434  | 1.44%  | 0.037% |
| 149 | 9.999  | 9.974  | 10.013 | HH | 623   | 10771  | 0.22%  | 0.006% |
| 150 | 10.022 | 10.013 | 10.050 | HH | 493   | 8536   | 0.18%  | 0.005% |
| 151 | 10.072 | 10.050 | 10.141 | HH | 651   | 22869  | 0.47%  | 0.012% |
| 152 | 10.161 | 10.141 | 10.180 | HH | 434   | 8190   | 0.17%  | 0.004% |
| 153 | 10.194 | 10.180 | 10.215 | HH | 442   | 7498   | 0.16%  | 0.004% |
| 154 | 10.225 | 10.215 | 10.235 | HH | 440   | 4439   | 0.09%  | 0.002% |
| 155 | 10.259 | 10.235 | 10.283 | HH | 764   | 16147  | 0.33%  | 0.009% |
| 156 | 10.309 | 10.283 | 10.334 | HH | 1746  | 30416  | 0.63%  | 0.016% |
| 157 | 10.365 | 10.334 | 10.374 | HH | 1021  | 19335  | 0.40%  | 0.010% |
| 158 | 10.395 | 10.374 | 10.419 | HH | 2518  | 39499  | 0.82%  | 0.021% |
| 159 | 10.437 | 10.419 | 10.483 | HH | 1507  | 34843  | 0.72%  | 0.019% |
| 160 | 10.511 | 10.483 | 10.542 | HH | 1790  | 37958  | 0.79%  | 0.020% |
| 161 | 10.565 | 10.542 | 10.608 | HH | 4593  | 81588  | 1.69%  | 0.044% |
| 162 | 10.618 | 10.608 | 10.625 | HH | 1122  | 10861  | 0.23%  | 0.006% |
| 163 | 10.659 | 10.625 | 10.695 | HH | 3621  | 76034  | 1.58%  | 0.041% |
| 164 | 10.724 | 10.695 | 10.801 | HH | 4635  | 117496 | 2.44%  | 0.063% |
| 165 | 10.821 | 10.801 | 10.848 | HH | 1434  | 31572  | 0.65%  | 0.017% |
| 166 | 10.857 | 10.848 | 10.866 | HH | 937   | 9757   | 0.20%  | 0.005% |
| 167 | 10.918 | 10.866 | 10.961 | HH | 45470 | 530510 | 11.00% | 0.283% |
| 168 | 10.993 | 10.961 | 11.095 | HH | 9497  | 187678 | 3.89%  | 0.100% |
| 169 | 11.117 | 11.095 | 11.128 | HH | 1182  | 21620  | 0.45%  | 0.012% |
| 170 | 11.167 | 11.128 | 11.182 | HH | 1530  | 39265  | 0.81%  | 0.021% |
| 171 | 11.205 | 11.182 | 11.251 | HH | 6741  | 110022 | 2.28%  | 0.059% |
| 172 | 11.278 | 11.251 | 11.298 | HH | 1309  | 32328  | 0.67%  | 0.017% |
| 173 | 11.329 | 11.298 | 11.340 | HH | 1536  | 35176  | 0.73%  | 0.019% |
| 174 | 11.364 | 11.340 | 11.391 | HH | 3889  | 70994  | 1.47%  | 0.038% |

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|-----|--------|--------|--------|----|-------|--------|--------|--------|
| 175 | 11.455 | 11.391 | 11.491 | HH | 3622  | 126288 | 2.62%  | 0.067% |
| 176 | 11.522 | 11.491 | 11.542 | HH | 2447  | 52629  | 1.09%  | 0.022% |
| 177 | 11.570 | 11.542 | 11.591 | HH | 2232  | 53795  | 1.12%  | 0.022% |
| 178 | 11.614 | 11.591 | 11.643 | HH | 2038  | 53596  | 1.11%  | 0.022% |
| 179 | 11.671 | 11.643 | 11.698 | HH | 2049  | 57865  | 1.20%  | 0.033% |
| 180 | 11.724 | 11.698 | 11.738 | HH | 5740  | 85200  | 1.77%  | 0.046% |
| 181 | 11.755 | 11.738 | 11.801 | HH | 7705  | 138481 | 2.87%  | 0.074% |
| 182 | 11.841 | 11.801 | 11.859 | HH | 8127  | 153770 | 3.19%  | 0.082% |
| 183 | 11.874 | 11.859 | 11.889 | HH | 5217  | 75165  | 1.56%  | 0.040% |
| 184 | 11.905 | 11.889 | 11.933 | HH | 5613  | 93989  | 1.95%  | 0.050% |
| 185 | 11.978 | 11.933 | 12.001 | HH | 2687  | 94639  | 1.96%  | 0.051% |
| 186 | 12.037 | 12.001 | 12.063 | HH | 4760  | 119263 | 2.47%  | 0.064% |
| 187 | 12.083 | 12.063 | 12.103 | HH | 3855  | 73039  | 1.51%  | 0.039% |
| 188 | 12.117 | 12.103 | 12.155 | HH | 2858  | 83296  | 1.73%  | 0.045% |
| 189 | 12.158 | 12.155 | 12.171 | HH | 2572  | 25296  | 0.52%  | 0.014% |
| 190 | 12.196 | 12.171 | 12.218 | HH | 6171  | 109882 | 2.28%  | 0.059% |
| 191 | 12.279 | 12.218 | 12.325 | HH | 6100  | 231037 | 4.79%  | 0.123% |
| 192 | 12.345 | 12.325 | 12.359 | HH | 3387  | 66523  | 1.38%  | 0.036% |
| 193 | 12.377 | 12.359 | 12.391 | HH | 3315  | 61977  | 1.29%  | 0.033% |
| 194 | 12.403 | 12.391 | 12.428 | HH | 3294  | 71499  | 1.48%  | 0.038% |
| 195 | 12.449 | 12.428 | 12.493 | HH | 3884  | 139218 | 2.89%  | 0.074% |
| 196 | 12.518 | 12.493 | 12.557 | HH | 4398  | 146341 | 3.04%  | 0.078% |
| 197 | 12.576 | 12.557 | 12.608 | HH | 4786  | 124003 | 2.57%  | 0.066% |
| 198 | 12.628 | 12.608 | 12.647 | HH | 6323  | 115877 | 2.40%  | 0.062% |
| 199 | 12.679 | 12.647 | 12.714 | HH | 6638  | 205728 | 4.27%  | 0.110% |
| 200 | 12.744 | 12.714 | 12.779 | HH | 62967 | 784280 | 16.27% | 0.419% |
| 201 | 12.805 | 12.779 | 12.830 | HH | 4805  | 136496 | 2.83%  | 0.073% |
| 202 | 12.844 | 12.830 | 12.855 | HH | 4219  | 62278  | 1.29%  | 0.033% |
| 203 | 12.880 | 12.855 | 12.890 | HH | 5081  | 97752  | 2.03%  | 0.052% |
| 204 | 12.906 | 12.890 | 12.916 | HH | 5193  | 75732  | 1.57%  | 0.040% |
| 205 | 12.933 | 12.916 | 12.976 | HH | 6249  | 198148 | 4.11%  | 0.106% |
| 206 | 12.986 | 12.976 | 12.991 | HH | 5098  | 46399  | 0.96%  | 0.025% |
| 207 | 13.000 | 12.991 | 13.015 | HH | 5130  | 69412  | 1.44%  | 0.037% |
| 208 | 13.044 | 13.015 | 13.081 | HH | 46088 | 649295 | 13.47% | 0.347% |
| 209 | 13.100 | 13.081 | 13.113 | HH | 7931  | 129779 | 2.69%  | 0.069% |
| 210 | 13.131 | 13.113 | 13.156 | HH | 10460 | 193129 | 4.01%  | 0.103% |
| 211 | 13.180 | 13.156 | 13.197 | HH | 6001  | 138970 | 2.88%  | 0.074% |
| 212 | 13.218 | 13.197 | 13.228 | HH | 6762  | 113712 | 2.36%  | 0.061% |
| 213 | 13.242 | 13.228 | 13.266 | HH | 7032  | 142905 | 2.96%  | 0.076% |
| 214 | 13.310 | 13.266 | 13.331 | HH | 8772  | 279658 | 5.80%  | 0.149% |
| 215 | 13.376 | 13.331 | 13.408 | HH | 7200  | 302335 | 6.27%  | 0.162% |
| 216 | 13.442 | 13.408 | 13.458 | HH | 7005  | 192457 | 3.99%  | 0.103% |
| 217 | 13.471 | 13.458 | 13.485 | HH | 6599  | 104351 | 2.16%  | 0.056% |
| 218 | 13.507 | 13.485 | 13.568 | HH | 9342  | 377183 | 7.82%  | 0.202% |
| 219 | 13.575 | 13.568 | 13.587 | HH | 6889  | 77330  | 1.60%  | 0.041% |
| 220 | 13.634 | 13.587 | 13.668 | HH | 13584 | 439102 | 9.11%  | 0.235% |
| 221 | 13.703 | 13.668 | 13.718 | HH | 8142  | 227775 | 4.72%  | 0.122% |

Instrument :  
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ClientSampleId :  
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Manual Integrations  
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|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 222 | 13.742 | 13.718 | 13.764 | HH | 11581  | 264042  | 5.48%  | 0.141% |
| 223 | 13.782 | 13.764 | 13.806 | HH | 10419  | 229237  | 4.75%  | 0.12%  |
| 224 | 13.828 | 13.806 | 13.848 | HH | 8698   | 205295  | 4.26%  | 0.11%  |
| 225 | 13.880 | 13.848 | 13.902 | HH | 17166  | 388807  | 8.06%  | 0.20%  |
| 226 | 13.911 | 13.902 | 13.932 | HH | 10905  | 179790  | 3.73%  | 0.09%  |
| 227 | 13.952 | 13.932 | 13.991 | HH | 10497  | 324331  | 6.73%  | 0.173% |
| 228 | 13.996 | 13.991 | 14.003 | HH | 8474   | 57578   | 1.19%  | 0.031% |
| 229 | 14.027 | 14.003 | 14.048 | HH | 9261   | 240233  | 4.98%  | 0.128% |
| 230 | 14.115 | 14.048 | 14.144 | HH | 10390  | 538576  | 11.17% | 0.288% |
| 231 | 14.171 | 14.144 | 14.195 | HH | 9619   | 286044  | 5.93%  | 0.153% |
| 232 | 14.214 | 14.195 | 14.230 | HH | 9641   | 203986  | 4.23%  | 0.109% |
| 233 | 14.275 | 14.230 | 14.295 | HH | 10428  | 383135  | 7.95%  | 0.205% |
| 234 | 14.372 | 14.295 | 14.415 | HH | 13224  | 803251  | 16.66% | 0.429% |
| 235 | 14.445 | 14.415 | 14.487 | HH | 42013  | 857690  | 17.79% | 0.458% |
| 236 | 14.512 | 14.487 | 14.521 | HH | 11516  | 230889  | 4.79%  | 0.123% |
| 237 | 14.551 | 14.521 | 14.595 | HH | 14418  | 555209  | 11.52% | 0.297% |
| 238 | 14.616 | 14.595 | 14.638 | HH | 16913  | 364676  | 7.56%  | 0.195% |
| 239 | 14.674 | 14.638 | 14.695 | HH | 14216  | 444976  | 9.23%  | 0.238% |
| 240 | 14.715 | 14.695 | 14.728 | HH | 12341  | 237568  | 4.93%  | 0.127% |
| 241 | 14.735 | 14.728 | 14.752 | HH | 12621  | 176038  | 3.65%  | 0.094% |
| 242 | 14.783 | 14.752 | 14.854 | HH | 33532  | 1034255 | 21.45% | 0.553% |
| 243 | 14.880 | 14.854 | 14.897 | HH | 13876  | 332531  | 6.90%  | 0.178% |
| 244 | 14.926 | 14.897 | 14.945 | HH | 30135  | 570764  | 11.84% | 0.305% |
| 245 | 14.987 | 14.945 | 15.025 | HH | 79822  | 1728913 | 35.86% | 0.924% |
| 246 | 15.045 | 15.025 | 15.055 | HH | 14026  | 249388  | 5.17%  | 0.133% |
| 247 | 15.091 | 15.055 | 15.111 | HH | 16197  | 500240  | 10.38% | 0.267% |
| 248 | 15.130 | 15.111 | 15.150 | HH | 14919  | 334049  | 6.93%  | 0.178% |
| 249 | 15.168 | 15.150 | 15.208 | HH | 14508  | 484749  | 10.05% | 0.259% |
| 250 | 15.232 | 15.208 | 15.249 | HH | 16014  | 369927  | 7.67%  | 0.198% |
| 251 | 15.270 | 15.249 | 15.295 | HH | 15506  | 416434  | 8.64%  | 0.223% |
| 252 | 15.324 | 15.295 | 15.342 | HH | 15775  | 437953  | 9.08%  | 0.234% |
| 253 | 15.368 | 15.342 | 15.401 | HH | 22866  | 636391  | 13.20% | 0.340% |
| 254 | 15.414 | 15.401 | 15.458 | HH | 16208  | 534836  | 11.09% | 0.286% |
| 255 | 15.509 | 15.458 | 15.578 | HH | 94240  | 2205117 | 45.74% | 1.178% |
| 256 | 15.604 | 15.578 | 15.625 | HH | 20150  | 500138  | 10.37% | 0.267% |
| 257 | 15.640 | 15.625 | 15.675 | HH | 18119  | 513437  | 10.65% | 0.274% |
| 258 | 15.688 | 15.675 | 15.698 | HH | 17293  | 242410  | 5.03%  | 0.130% |
| 259 | 15.761 | 15.698 | 15.796 | HH | 19563  | 1067196 | 22.13% | 0.570% |
| 260 | 15.836 | 15.796 | 15.864 | HH | 22840  | 801055  | 16.61% | 0.428% |
| 261 | 15.886 | 15.864 | 15.918 | HH | 19440  | 607300  | 12.60% | 0.324% |
| 262 | 15.927 | 15.918 | 15.941 | HH | 18896  | 261557  | 5.42%  | 0.140% |
| 263 | 15.959 | 15.941 | 15.973 | HH | 18945  | 348169  | 7.22%  | 0.186% |
| 264 | 16.011 | 15.973 | 16.073 | HH | 101624 | 2196041 | 45.55% | 1.173% |
| 265 | 16.082 | 16.073 | 16.094 | HH | 18975  | 241507  | 5.01%  | 0.129% |
| 266 | 16.108 | 16.094 | 16.118 | HH | 19196  | 276323  | 5.73%  | 0.148% |
| 267 | 16.130 | 16.118 | 16.149 | HH | 19126  | 352546  | 7.31%  | 0.188% |
| 268 | 16.215 | 16.149 | 16.258 | HH | 22083  | 1346462 | 27.93% | 0.719% |
| 269 | 16.323 | 16.258 | 16.352 | HH | 27059  | 1293813 | 26.84% | 0.691% |

Instrument :  
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Manual Integrations  
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|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 270 | 16.378 | 16.352 | 16.401 | HH | 25466  | 698399  | 14.49% | 0.373% |
| 271 | 16.412 | 16.401 | 16.438 | HH | 23819  | 507324  | 10.52% | 0.27%  |
| 272 | 16.495 | 16.438 | 16.551 | HH | 110990 | 2808550 | 58.25% | 1.50%  |
| 273 | 16.624 | 16.551 | 16.646 | HH | 30152  | 1423912 | 29.53% | 0.76%  |
| 274 | 16.660 | 16.646 | 16.691 | HH | 26264  | 678385  | 14.07% | 0.36%  |
| 275 | 16.742 | 16.691 | 16.757 | HH | 26367  | 1021385 | 21.18% | 0.546% |
| 276 | 16.810 | 16.757 | 16.835 | HH | 39321  | 1513289 | 31.39% | 0.809% |
| 277 | 16.871 | 16.835 | 16.901 | HH | 36909  | 1204254 | 24.98% | 0.643% |
| 278 | 16.913 | 16.901 | 16.923 | HH | 26054  | 335202  | 6.95%  | 0.179% |
| 279 | 16.965 | 16.923 | 17.055 | HH | 85919  | 2952364 | 61.24% | 1.577% |
| 280 | 17.104 | 17.055 | 17.125 | HH | 28809  | 1178091 | 24.43% | 0.629% |
| 281 | 17.232 | 17.125 | 17.271 | HH | 32513  | 2653556 | 55.04% | 1.418% |
| 282 | 17.301 | 17.271 | 17.325 | HH | 32909  | 1006215 | 20.87% | 0.538% |
| 283 | 17.370 | 17.325 | 17.381 | HH | 31036  | 1026226 | 21.28% | 0.548% |
| 284 | 17.416 | 17.381 | 17.451 | HH | 76356  | 1910853 | 39.63% | 1.021% |
| 285 | 17.462 | 17.451 | 17.482 | HH | 30886  | 551258  | 11.43% | 0.295% |
| 286 | 17.496 | 17.482 | 17.510 | HH | 30665  | 514203  | 10.67% | 0.275% |
| 287 | 17.539 | 17.510 | 17.613 | HH | 33633  | 1921615 | 39.86% | 1.027% |
| 288 | 17.626 | 17.613 | 17.661 | HH | 31377  | 889018  | 18.44% | 0.475% |
| 289 | 17.698 | 17.661 | 17.727 | HH | 32780  | 1258222 | 26.10% | 0.672% |
| 290 | 17.757 | 17.727 | 17.788 | HH | 32975  | 1162939 | 24.12% | 0.621% |
| 291 | 17.804 | 17.788 | 17.815 | HH | 33047  | 526535  | 10.92% | 0.281% |
| 292 | 17.855 | 17.815 | 17.891 | HH | 71794  | 2018530 | 41.87% | 1.078% |
| 293 | 17.906 | 17.891 | 17.927 | HH | 32704  | 697257  | 14.46% | 0.373% |
| 294 | 18.015 | 17.927 | 18.083 | HH | 39451  | 3280644 | 68.04% | 1.753% |
| 295 | 18.128 | 18.083 | 18.140 | HH | 35803  | 1171395 | 24.30% | 0.626% |
| 296 | 18.155 | 18.140 | 18.193 | HH | 37388  | 1145600 | 23.76% | 0.612% |
| 297 | 18.214 | 18.193 | 18.224 | HH | 39058  | 682856  | 14.16% | 0.365% |
| 298 | 18.244 | 18.224 | 18.256 | HH | 44921  | 792828  | 16.44% | 0.424% |
| 299 | 18.277 | 18.256 | 18.314 | HH | 69171  | 1698187 | 35.22% | 0.907% |
| 300 | 18.381 | 18.314 | 18.400 | HH | 42949  | 1931716 | 40.07% | 1.032% |
| 301 | 18.411 | 18.400 | 18.467 | HH | 39152  | 1477985 | 30.65% | 0.790% |
| 302 | 18.500 | 18.467 | 18.525 | HH | 46050  | 1363616 | 28.28% | 0.729% |
| 303 | 18.545 | 18.525 | 18.565 | HH | 38866  | 908541  | 18.84% | 0.485% |
| 304 | 18.584 | 18.565 | 18.618 | HH | 38408  | 1190277 | 24.69% | 0.636% |
| 305 | 18.633 | 18.618 | 18.646 | HH | 37687  | 629692  | 13.06% | 0.336% |
| 306 | 18.689 | 18.646 | 18.748 | HH | 61260  | 2597994 | 53.89% | 1.388% |
| 307 | 18.764 | 18.748 | 18.782 | HH | 37772  | 774667  | 16.07% | 0.414% |
| 308 | 18.806 | 18.782 | 18.836 | HH | 42181  | 1295955 | 26.88% | 0.692% |
| 309 | 18.857 | 18.836 | 18.878 | HH | 41744  | 1015652 | 21.07% | 0.543% |
| 310 | 18.888 | 18.878 | 18.915 | HH | 40208  | 854896  | 17.73% | 0.457% |
| 311 | 18.943 | 18.915 | 18.965 | HH | 41184  | 1209438 | 25.09% | 0.646% |
| 312 | 18.982 | 18.965 | 19.005 | HH | 41117  | 969784  | 20.11% | 0.518% |
| 313 | 19.049 | 19.005 | 19.058 | HH | 44577  | 1339432 | 27.78% | 0.716% |
| 314 | 19.088 | 19.058 | 19.121 | HH | 58680  | 1842024 | 38.21% | 0.984% |
| 315 | 19.134 | 19.121 | 19.153 | HH | 43458  | 812836  | 16.86% | 0.434% |
| 316 | 19.176 | 19.153 | 19.183 | HH | 42877  | 775869  | 16.09% | 0.415% |

Instrument :  
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ClientSampleId :  
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Manual Integrations  
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|-----|--------|--------|--------|-----|-------|---------|---------|--------|--|
|     |        |        |        |     |       |         |         |        |  |
|     |        |        |        |     | rtres |         |         |        |  |
| 317 | 19.201 | 19.183 | 19.255 | HH  | 44247 | 1849376 | 38.36%  | 0.988% |  |
| 318 | 19.287 | 19.255 | 19.305 | HH  | 43818 | 1300250 | 26.97%  | 0.69%  |  |
| 319 | 19.335 | 19.305 | 19.355 | HH  | 44610 | 1314586 | 27.27%  | 0.70%  |  |
| 320 | 19.382 | 19.355 | 19.408 | HH  | 44393 | 1402637 | 29.09%  | 0.74%  |  |
|     |        |        |        |     |       |         |         |        |  |
| 321 | 19.426 | 19.408 | 19.442 | HH  | 43480 | 879311  | 18.24%  | 0.47%  |  |
| 322 | 19.473 | 19.442 | 19.501 | HH  | 56778 | 1753460 | 36.37%  | 0.937% |  |
| 323 | 19.517 | 19.501 | 19.563 | HH  | 47925 | 1719469 | 35.66%  | 0.919% |  |
| 324 | 19.589 | 19.563 | 19.602 | HH  | 47682 | 1070951 | 22.21%  | 0.572% |  |
| 325 | 19.611 | 19.602 | 19.625 | HH  | 47479 | 670589  | 13.91%  | 0.358% |  |
|     |        |        |        |     |       |         |         |        |  |
| 326 | 19.659 | 19.625 | 19.685 | HH  | 50804 | 1707794 | 35.42%  | 0.912% |  |
| 327 | 19.721 | 19.685 | 19.747 | HH  | 50058 | 1815600 | 37.66%  | 0.970% |  |
| 328 | 19.771 | 19.747 | 19.801 | HH  | 50375 | 1605678 | 33.30%  | 0.858% |  |
| 329 | 19.852 | 19.801 | 19.888 | HH  | 58117 | 2721505 | 56.45%  | 1.454% |  |
| 330 | 19.907 | 19.888 | 19.931 | HH  | 52291 | 1331793 | 27.62%  | 0.712% |  |
|     |        |        |        |     |       |         |         |        |  |
| 331 | 19.968 | 19.931 | 19.980 | HH  | 51700 | 1487964 | 30.86%  | 0.795% |  |
| 332 | 20.037 | 19.980 | 20.061 | HH  | 57097 | 2656487 | 55.10%  | 1.419% |  |
| 333 | 20.131 | 20.061 | 20.148 | HH  | 56814 | 2879521 | 59.72%  | 1.539% |  |
| 334 | 20.215 | 20.148 | 20.245 | HH  | 61987 | 3302790 | 68.50%  | 1.765% |  |
| 335 | 20.260 | 20.245 | 20.277 | HH  | 58505 | 1123735 | 23.31%  | 0.600% |  |
|     |        |        |        |     |       |         |         |        |  |
| 336 | 20.293 | 20.277 | 20.352 | HH  | 59648 | 2633981 | 54.63%  | 1.407% |  |
| 337 | 20.384 | 20.352 | 20.428 | HH  | 60113 | 2673710 | 55.46%  | 1.429% |  |
| 338 | 20.491 | 20.428 | 20.519 | HH  | 59227 | 3207761 | 66.53%  | 1.714% |  |
| 339 | 20.536 | 20.519 | 20.550 | HH  | 59566 | 1096562 | 22.74%  | 0.586% |  |
| 340 | 20.582 | 20.550 | 20.642 | HH  | 62693 | 3298839 | 68.42%  | 1.763% |  |
|     |        |        |        |     |       |         |         |        |  |
| 341 | 20.651 | 20.642 | 20.671 | HH  | 57038 | 953757  | 19.78%  | 0.510% |  |
| 342 | 20.695 | 20.671 | 20.708 | HH  | 57155 | 1259262 | 26.12%  | 0.673% |  |
| 343 | 20.747 | 20.708 | 20.780 | HH  | 59146 | 2512829 | 52.12%  | 1.343% |  |
| 344 | 20.828 | 20.780 | 20.901 | HH  | 58927 | 4203312 | 87.18%  | 2.246% |  |
| 345 | 20.916 | 20.901 | 20.951 | HH  | 56929 | 1690325 | 35.06%  | 0.903% |  |
|     |        |        |        |     |       |         |         |        |  |
| 346 | 20.976 | 20.951 | 21.020 | HH  | 58804 | 2346586 | 48.67%  | 1.254% |  |
| 347 | 21.051 | 21.020 | 21.062 | HH  | 56293 | 1392149 | 28.87%  | 0.744% |  |
| 348 | 21.084 | 21.062 | 21.128 | HH  | 56495 | 2226333 | 46.18%  | 1.190% |  |
| 349 | 21.136 | 21.128 | 21.141 | HH  | 55935 | 441956  | 9.17%   | 0.236% |  |
| 350 | 21.149 | 21.141 | 21.188 | HH  | 56049 | 1567239 | 32.51%  | 0.837% |  |
|     |        |        |        |     |       |         |         |        |  |
| 351 | 21.196 | 21.188 | 21.220 | HH  | 56076 | 1056582 | 21.91%  | 0.565% |  |
| 352 | 21.230 | 21.220 | 21.264 | HH  | 55184 | 1437326 | 29.81%  | 0.768% |  |
| 353 | 21.318 | 21.264 | 21.371 | HH  | 56501 | 3582778 | 74.31%  | 1.914% |  |
| 354 | 21.432 | 21.371 | 21.453 | HH  | 56974 | 2714547 | 56.30%  | 1.450% |  |
| 355 | 21.464 | 21.453 | 21.602 | HH  | 56157 | 4821359 | 100.00% | 2.576% |  |
|     |        |        |        |     |       |         |         |        |  |
| 356 | 21.634 | 21.602 | 21.665 | HH  | 52410 | 1964598 | 40.75%  | 1.050% |  |
| 357 | 21.677 | 21.665 | 21.747 | HH  | 52723 | 2533516 | 52.55%  | 1.354% |  |
| 358 | 21.773 | 21.747 | 21.805 | HH  | 51787 | 1784044 | 37.00%  | 0.953% |  |
| 359 | 21.853 | 21.805 | 21.907 | HH  | 52402 | 3179078 | 65.94%  | 1.699% |  |
| 360 | 21.926 | 21.907 | 22.001 | HHA | 52104 | 2911624 | 60.39%  | 1.556% |  |

Sum of corrected areas: 187160925

Instrument :  
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ClientSampleId :  
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Manual Integrations  
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