

Instrument :  
FID\_F  
ClientSampleId :  
K005-AA-WC-1

rteres

# Area Percent Report

Manual Integrations  
APPROVED

mohammad  
12/27/2019 9:46:20 AM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF122619\  
Data File : FF006076.D  
Signal(s) : FID2B.ch  
Acq On : 26 Dec 2019 14:43  
Sample : K6413-06  
Misc :  
ALS Vial : 57 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF120719.M  
Title :

Signal : FID2B.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         | 4.369       | 4.362        | 4.380      | BH       | 195            | 983          | 0.03%          | 0.002%        |
| 2         | 4.398       | 4.380        | 4.424      | PH       | 1048           | 6511         | 0.19%          | 0.010%        |
| 3         | 4.439       | 4.424        | 4.456      | PH       | 1256           | 9456         | 0.27%          | 0.015%        |
| 4         | 4.469       | 4.456        | 4.482      | PH       | 209            | 57           | 0.00%          | 0.000%        |
| 5         | 4.492       | 4.482        | 4.512      | PH       | 388            | 1533         | 0.04%          | 0.002%        |
| 6         | 4.543       | 4.512        | 4.567      | PH       | 8065           | 65116        | 1.85%          | 0.104%        |
| 7         | 4.570       | 4.567        | 4.587      | PH       | 47             | -883         | -0.03%         | -0.001%       |
| 8         | 4.617       | 4.587        | 4.637      | PH       | 364            | 3888         | 0.11%          | 0.006%        |
| 9         | 4.652       | 4.637        | 4.668      | PH       | 728            | 4485         | 0.13%          | 0.007%        |
| 10        | 4.684       | 4.668        | 4.696      | PH       | 191            | 419          | 0.01%          | 0.001%        |
| 11        | 4.710       | 4.696        | 4.716      | PH       | 272            | 1286         | 0.04%          | 0.002%        |
| 12        | 4.731       | 4.716        | 4.758      | HH       | 1075           | 11614        | 0.33%          | 0.019%        |
| 13        | 4.775       | 4.758        | 4.795      | HH       | 688            | 7182         | 0.20%          | 0.011%        |
| 14        | 4.811       | 4.795        | 4.839      | PH       | 371            | 874          | 0.02%          | 0.001%        |
| 15        | 4.853       | 4.839        | 4.857      | PH       | -55            | -1606        | -0.05%         | -0.003%       |
| 16        | 4.874       | 4.857        | 4.900      | PH       | 353            | -488         | -0.01%         | -0.001%       |
| 17        | 4.914       | 4.900        | 4.918      | PH       | -105           | -1745        | -0.05%         | -0.003%       |
| 18        | 4.927       | 4.918        | 4.942      | PH       | -73            | -2142        | -0.06%         | -0.003%       |
| 19        | 4.965       | 4.942        | 4.977      | PH       | 272            | -398         | -0.01%         | -0.001%       |
| 20        | 4.990       | 4.977        | 5.002      | PH       | 494            | 2166         | 0.06%          | 0.003%        |
| 21        | 5.013       | 5.002        | 5.027      | PH       | 387            | 2137         | 0.06%          | 0.003%        |
| 22        | 5.036       | 5.027        | 5.065      | HH       | 177            | 813          | 0.02%          | 0.001%        |
| 23        | 5.091       | 5.065        | 5.104      | PH       | 578            | 3475         | 0.10%          | 0.006%        |
| 24        | 5.116       | 5.104        | 5.128      | PH       | 208            | 927          | 0.03%          | 0.001%        |
| 25        | 5.138       | 5.128        | 5.156      | HH       | 286            | 1869         | 0.05%          | 0.003%        |
| 26        | 5.164       | 5.156        | 5.180      | PH       | -65            | -2363        | -0.07%         | -0.004%       |
| 27        | 5.203       | 5.180        | 5.222      | PH       | -145           | -6250        | -0.18%         | -0.010%       |
| 28        | 5.252       | 5.222        | 5.276      | PH       | 1815           | 14434        | 0.41%          | 0.023%        |
| 29        | 5.307       | 5.276        | 5.320      | PH       | 450            | 3173         | 0.09%          | 0.005%        |
| 30        | 5.327       | 5.320        | 5.342      | HH       | 251            | 231          | 0.01%          | 0.000%        |
| 31        | 5.355       | 5.342        | 5.371      | PH       | -19            | -1938        | -0.06%         | -0.003%       |
| 32        | 5.382       | 5.371        | 5.408      | PH       | -43            | -3925        | -0.11%         | -0.006%       |
| 33        | 5.435       | 5.408        | 5.450      | PH       | 1284           | 10057        | 0.29%          | 0.016%        |
| 34        | 5.464       | 5.450        | 5.474      | HH       | 834            | 8061         | 0.23%          | 0.013%        |
| 35        | 5.486       | 5.474        | 5.517      | HH       | 2557           | 21152        | 0.60%          | 0.034%        |
| 36        | 5.545       | 5.517        | 5.557      | PH       | 91             | -2072        | -0.06%         | -0.003%       |

|    |       |       |       |    | rt   | ret   | Area   | %Area   |
|----|-------|-------|-------|----|------|-------|--------|---------|
| 37 | 5.567 | 5.557 | 5.587 | PH | -66  | -1904 | -0.05% | -0.003% |
| 38 | 5.621 | 5.587 | 5.641 | PH | 992  | 7703  | 0.22%  | 0.012%  |
| 39 | 5.663 | 5.641 | 5.691 | PH | 556  | 4659  | 0.13%  | 0.007%  |
| 40 | 5.718 | 5.691 | 5.726 | PH | 552  | 5163  | 0.15%  | 0.008%  |
| 41 | 5.733 | 5.726 | 5.758 | HH | 461  | 3908  | 0.11%  | 0.006%  |
| 42 | 5.773 | 5.758 | 5.792 | PH | 435  | 3047  | 0.09%  | 0.005%  |
| 43 | 5.806 | 5.792 | 5.816 | PH | 169  | 445   | 0.01%  | 0.001%  |
| 44 | 5.830 | 5.816 | 5.874 | PH | 262  | 3185  | 0.09%  | 0.005%  |
| 45 | 5.887 | 5.874 | 5.907 | PH | 209  | 223   | 0.01%  | 0.000%  |
| 46 | 5.938 | 5.907 | 5.955 | PH | 540  | 5474  | 0.16%  | 0.009%  |
| 47 | 5.984 | 5.955 | 6.015 | HH | 4587 | 59138 | 1.68%  | 0.095%  |
| 48 | 6.039 | 6.015 | 6.060 | HH | 1365 | 16744 | 0.48%  | 0.027%  |
| 49 | 6.082 | 6.060 | 6.101 | PH | 495  | 6533  | 0.19%  | 0.010%  |
| 50 | 6.131 | 6.101 | 6.152 | PH | 3102 | 34247 | 0.97%  | 0.055%  |
| 51 | 6.161 | 6.152 | 6.188 | HH | 317  | 4223  | 0.12%  | 0.007%  |
| 52 | 6.226 | 6.188 | 6.239 | HH | 464  | 7876  | 0.22%  | 0.013%  |
| 53 | 6.257 | 6.239 | 6.285 | HH | 1536 | 22587 | 0.64%  | 0.036%  |
| 54 | 6.291 | 6.285 | 6.314 | HH | 482  | 5492  | 0.16%  | 0.009%  |
| 55 | 6.352 | 6.314 | 6.387 | HH | 1046 | 20651 | 0.59%  | 0.033%  |
| 56 | 6.414 | 6.387 | 6.461 | HH | 1763 | 24641 | 0.70%  | 0.039%  |
| 57 | 6.474 | 6.461 | 6.485 | PH | 170  | 1076  | 0.03%  | 0.002%  |
| 58 | 6.504 | 6.485 | 6.515 | HH | 310  | 3568  | 0.10%  | 0.006%  |
| 59 | 6.534 | 6.515 | 6.548 | HH | 1388 | 15902 | 0.45%  | 0.025%  |
| 60 | 6.563 | 6.548 | 6.584 | HH | 2047 | 24158 | 0.69%  | 0.039%  |
| 61 | 6.611 | 6.584 | 6.629 | HH | 1063 | 16071 | 0.46%  | 0.026%  |
| 62 | 6.635 | 6.629 | 6.650 | HH | 395  | 2871  | 0.08%  | 0.005%  |
| 63 | 6.664 | 6.650 | 6.670 | HH | 201  | 1431  | 0.04%  | 0.002%  |
| 64 | 6.689 | 6.670 | 6.713 | HH | 744  | 9472  | 0.27%  | 0.015%  |
| 65 | 6.736 | 6.713 | 6.765 | PH | 894  | 14856 | 0.42%  | 0.024%  |
| 66 | 6.780 | 6.765 | 6.785 | HH | 209  | 1776  | 0.05%  | 0.003%  |
| 67 | 6.814 | 6.785 | 6.835 | HH | 568  | 9737  | 0.28%  | 0.016%  |
| 68 | 6.877 | 6.835 | 6.900 | HH | 1506 | 23396 | 0.67%  | 0.037%  |
| 69 | 6.918 | 6.900 | 6.925 | HH | 1067 | 12704 | 0.36%  | 0.020%  |
| 70 | 6.932 | 6.925 | 6.956 | HH | 1012 | 14461 | 0.41%  | 0.023%  |
| 71 | 6.973 | 6.956 | 6.999 | HH | 1088 | 15047 | 0.43%  | 0.024%  |
| 72 | 7.039 | 6.999 | 7.055 | HH | 3923 | 52400 | 1.49%  | 0.084%  |
| 73 | 7.067 | 7.055 | 7.096 | HH | 1680 | 25806 | 0.73%  | 0.041%  |
| 74 | 7.116 | 7.096 | 7.155 | HH | 2963 | 43784 | 1.25%  | 0.070%  |
| 75 | 7.174 | 7.155 | 7.196 | HH | 3811 | 40720 | 1.16%  | 0.065%  |
| 76 | 7.217 | 7.196 | 7.238 | HH | 1024 | 18085 | 0.51%  | 0.029%  |
| 77 | 7.244 | 7.238 | 7.257 | HH | 552  | 5254  | 0.15%  | 0.008%  |
| 78 | 7.264 | 7.257 | 7.277 | HH | 366  | 3639  | 0.10%  | 0.006%  |
| 79 | 7.301 | 7.277 | 7.306 | HH | 824  | 10677 | 0.30%  | 0.017%  |
| 80 | 7.337 | 7.306 | 7.367 | HH | 2630 | 46091 | 1.31%  | 0.074%  |
| 81 | 7.388 | 7.367 | 7.404 | HH | 930  | 14654 | 0.42%  | 0.023%  |
| 82 | 7.425 | 7.404 | 7.439 | HH | 873  | 16427 | 0.47%  | 0.026%  |
| 83 | 7.452 | 7.439 | 7.458 | HH | 848  | 7702  | 0.22%  | 0.012%  |
| 84 | 7.461 | 7.458 | 7.484 | HH | 770  | 9974  | 0.28%  | 0.016%  |
| 85 | 7.511 | 7.484 | 7.552 | HH | 1886 | 43646 | 1.24%  | 0.070%  |
| 86 | 7.560 | 7.552 | 7.580 | HH | 825  | 11550 | 0.33%  | 0.018%  |
| 87 | 7.593 | 7.580 | 7.604 | HH | 645  | 8305  | 0.24%  | 0.013%  |
| 88 | 7.623 | 7.604 | 7.644 | HH | 1705 | 28260 | 0.80%  | 0.045%  |
| 89 | 7.669 | 7.644 | 7.691 | HH | 1373 | 28459 | 0.81%  | 0.046%  |

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|     |       |       |       |    | rt     | Area    | Height | %Area  | %Height |
|-----|-------|-------|-------|----|--------|---------|--------|--------|---------|
| 90  | 7.696 | 7.691 | 7.710 | HH | 616    | 7175    | 0.20%  | 0.011% |         |
| 91  | 7.762 | 7.710 | 7.777 | HH | 1894   | 51761   | 1.47%  | 0.083% |         |
| 92  | 7.788 | 7.777 | 7.804 | HH | 2158   | 28104   | 0.80%  | 0.045% |         |
| 93  | 7.815 | 7.804 | 7.836 | HH | 1422   | 22329   | 0.64%  | 0.036% |         |
| 94  | 7.856 | 7.836 | 7.875 | HH | 1295   | 23535   | 0.67%  | 0.038% |         |
| 95  | 7.903 | 7.875 | 7.912 | HH | 1740   | 28376   | 0.81%  | 0.045% |         |
| 96  | 7.917 | 7.912 | 7.929 | HH | 1770   | 17023   | 0.48%  | 0.027% |         |
| 97  | 7.946 | 7.929 | 7.998 | HH | 2030   | 62593   | 1.78%  | 0.100% |         |
| 98  | 8.028 | 7.998 | 8.067 | HH | 4868   | 90995   | 2.59%  | 0.146% |         |
| 99  | 8.096 | 8.067 | 8.105 | HH | 1748   | 32116   | 0.91%  | 0.051% |         |
| 100 | 8.134 | 8.105 | 8.148 | HH | 3472   | 60332   | 1.72%  | 0.097% |         |
| 101 | 8.164 | 8.148 | 8.185 | HH | 3554   | 59634   | 1.70%  | 0.095% |         |
| 102 | 8.206 | 8.185 | 8.222 | HH | 4659   | 68930   | 1.96%  | 0.110% |         |
| 103 | 8.265 | 8.222 | 8.305 | HH | 129317 | 1398046 | 39.77% | 2.236% |         |
| 104 | 8.316 | 8.305 | 8.350 | HH | 5020   | 88961   | 2.53%  | 0.142% |         |
| 105 | 8.371 | 8.350 | 8.395 | HH | 3887   | 71368   | 2.03%  | 0.114% |         |
| 106 | 8.402 | 8.395 | 8.415 | HH | 2121   | 23828   | 0.68%  | 0.038% |         |
| 107 | 8.429 | 8.415 | 8.444 | HH | 2559   | 37236   | 1.06%  | 0.060% |         |
| 108 | 8.453 | 8.444 | 8.470 | HH | 1936   | 27284   | 0.78%  | 0.044% |         |
| 109 | 8.491 | 8.470 | 8.520 | HH | 1766   | 45733   | 1.30%  | 0.073% |         |
| 110 | 8.529 | 8.520 | 8.545 | HH | 1503   | 21055   | 0.60%  | 0.034% |         |
| 111 | 8.565 | 8.545 | 8.585 | HH | 2610   | 47331   | 1.35%  | 0.076% |         |
| 112 | 8.612 | 8.585 | 8.643 | HH | 5718   | 111056  | 3.16%  | 0.178% |         |
| 113 | 8.669 | 8.643 | 8.700 | HH | 5398   | 120143  | 3.42%  | 0.192% |         |
| 114 | 8.705 | 8.700 | 8.714 | HH | 2511   | 18769   | 0.53%  | 0.030% |         |
| 115 | 8.741 | 8.714 | 8.767 | HH | 6186   | 116183  | 3.30%  | 0.186% |         |
| 116 | 8.793 | 8.767 | 8.810 | HH | 2105   | 48928   | 1.39%  | 0.078% |         |
| 117 | 8.825 | 8.810 | 8.835 | HH | 2099   | 31246   | 0.89%  | 0.050% |         |
| 118 | 8.853 | 8.835 | 8.869 | HH | 3183   | 52231   | 1.49%  | 0.084% |         |
| 119 | 8.884 | 8.869 | 8.905 | HH | 3822   | 59744   | 1.70%  | 0.096% |         |
| 120 | 8.947 | 8.905 | 8.962 | HH | 2591   | 81710   | 2.32%  | 0.131% |         |
| 121 | 8.972 | 8.962 | 8.987 | HH | 2723   | 35582   | 1.01%  | 0.057% |         |
| 122 | 9.025 | 8.987 | 9.049 | HH | 6820   | 132728  | 3.78%  | 0.212% |         |
| 123 | 9.061 | 9.049 | 9.091 | HH | 2981   | 60541   | 1.72%  | 0.097% |         |
| 124 | 9.110 | 9.091 | 9.142 | HH | 2200   | 56706   | 1.61%  | 0.091% |         |
| 125 | 9.177 | 9.142 | 9.195 | HH | 3046   | 68967   | 1.96%  | 0.110% |         |
| 126 | 9.207 | 9.195 | 9.223 | HH | 2366   | 34146   | 0.97%  | 0.055% |         |
| 127 | 9.233 | 9.223 | 9.242 | HH | 1863   | 20229   | 0.58%  | 0.032% |         |
| 128 | 9.259 | 9.242 | 9.277 | HH | 2438   | 43842   | 1.25%  | 0.070% |         |
| 129 | 9.282 | 9.277 | 9.294 | HH | 2018   | 20013   | 0.57%  | 0.032% |         |
| 130 | 9.314 | 9.294 | 9.330 | HH | 3563   | 59575   | 1.69%  | 0.095% |         |
| 131 | 9.348 | 9.330 | 9.375 | HH | 4532   | 88012   | 2.50%  | 0.141% |         |
| 132 | 9.397 | 9.375 | 9.429 | HH | 5438   | 122615  | 3.49%  | 0.196% |         |
| 133 | 9.435 | 9.429 | 9.454 | HH | 3300   | 41754   | 1.19%  | 0.067% |         |
| 134 | 9.475 | 9.454 | 9.502 | HH | 5478   | 109168  | 3.11%  | 0.175% |         |
| 135 | 9.514 | 9.502 | 9.527 | HH | 3490   | 46896   | 1.33%  | 0.075% |         |
| 136 | 9.541 | 9.527 | 9.558 | HH | 3316   | 55949   | 1.59%  | 0.089% |         |
| 137 | 9.573 | 9.558 | 9.593 | HH | 3219   | 64320   | 1.83%  | 0.103% |         |
| 138 | 9.596 | 9.593 | 9.615 | HH | 2887   | 35971   | 1.02%  | 0.058% |         |
| 139 | 9.638 | 9.615 | 9.663 | HH | 3793   | 81226   | 2.31%  | 0.130% |         |
| 140 | 9.674 | 9.663 | 9.696 | HH | 2260   | 41357   | 1.18%  | 0.066% |         |
| 141 | 9.717 | 9.696 | 9.735 | HH | 4218   | 73664   | 2.10%  | 0.118% |         |

| rteres |        |        |        |    |       |        |        |        |  |
|--------|--------|--------|--------|----|-------|--------|--------|--------|--|
| 142    | 9.759  | 9.735  | 9.781  | HH | 3444  | 87638  | 2.49%  | 0.140% |  |
| 143    | 9.803  | 9.781  | 9.856  | HH | 9011  | 201824 | 5.74%  | 0.323% |  |
| 144    | 9.875  | 9.856  | 9.894  | HH | 3043  | 63075  | 1.79%  | 0.101% |  |
| 145    | 9.906  | 9.894  | 9.939  | HH | 3253  | 71154  | 2.02%  | 0.114% |  |
| 146    | 9.976  | 9.939  | 10.002 | HH | 2921  | 91642  | 2.61%  | 0.147% |  |
| 147    | 10.015 | 10.002 | 10.037 | HH | 2341  | 46217  | 1.31%  | 0.074% |  |
| 148    | 10.042 | 10.037 | 10.057 | HH | 2106  | 23996  | 0.68%  | 0.038% |  |
| 149    | 10.078 | 10.057 | 10.094 | HH | 2511  | 50842  | 1.45%  | 0.081% |  |
| 150    | 10.098 | 10.094 | 10.115 | HH | 2328  | 29515  | 0.84%  | 0.047% |  |
| 151    | 10.141 | 10.115 | 10.165 | HH | 3510  | 86670  | 2.47%  | 0.139% |  |
| 152    | 10.191 | 10.165 | 10.210 | HH | 7562  | 135327 | 3.85%  | 0.216% |  |
| 153    | 10.219 | 10.210 | 10.230 | HH | 4193  | 45782  | 1.30%  | 0.073% |  |
| 154    | 10.245 | 10.230 | 10.260 | HH | 4370  | 71662  | 2.04%  | 0.115% |  |
| 155    | 10.276 | 10.260 | 10.298 | HH | 4608  | 83542  | 2.38%  | 0.134% |  |
| 156    | 10.318 | 10.298 | 10.332 | HH | 4475  | 75810  | 2.16%  | 0.121% |  |
| 157    | 10.337 | 10.332 | 10.369 | HH | 4081  | 71376  | 2.03%  | 0.114% |  |
| 158    | 10.388 | 10.369 | 10.407 | HH | 3921  | 75521  | 2.15%  | 0.121% |  |
| 159    | 10.418 | 10.407 | 10.425 | HH | 3543  | 37392  | 1.06%  | 0.060% |  |
| 160    | 10.445 | 10.425 | 10.480 | HH | 5868  | 142252 | 4.05%  | 0.228% |  |
| 161    | 10.492 | 10.480 | 10.507 | HH | 3535  | 52953  | 1.51%  | 0.085% |  |
| 162    | 10.539 | 10.507 | 10.576 | HH | 9104  | 216122 | 6.15%  | 0.346% |  |
| 163    | 10.610 | 10.576 | 10.652 | HH | 11171 | 287735 | 8.18%  | 0.460% |  |
| 164    | 10.665 | 10.652 | 10.686 | HH | 4110  | 77533  | 2.21%  | 0.124% |  |
| 165    | 10.691 | 10.686 | 10.712 | HH | 3734  | 52249  | 1.49%  | 0.084% |  |
| 166    | 10.731 | 10.712 | 10.744 | HH | 3155  | 57388  | 1.63%  | 0.092% |  |
| 167    | 10.760 | 10.744 | 10.769 | HH | 3815  | 52830  | 1.50%  | 0.085% |  |
| 168    | 10.793 | 10.769 | 10.835 | HH | 38324 | 525061 | 14.94% | 0.840% |  |
| 169    | 10.868 | 10.835 | 10.907 | HH | 9921  | 227247 | 6.46%  | 0.364% |  |
| 170    | 10.931 | 10.907 | 10.954 | HH | 4390  | 108568 | 3.09%  | 0.174% |  |
| 171    | 10.958 | 10.954 | 10.974 | HH | 3414  | 40082  | 1.14%  | 0.064% |  |
| 172    | 10.992 | 10.974 | 11.010 | HH | 3594  | 74312  | 2.11%  | 0.119% |  |
| 173    | 11.015 | 11.010 | 11.024 | HH | 3412  | 27388  | 0.78%  | 0.044% |  |
| 174    | 11.045 | 11.024 | 11.059 | HH | 4054  | 76487  | 2.18%  | 0.122% |  |
| 175    | 11.081 | 11.059 | 11.133 | HH | 6030  | 188105 | 5.35%  | 0.301% |  |
| 176    | 11.143 | 11.133 | 11.167 | HH | 3619  | 72106  | 2.05%  | 0.115% |  |
| 177    | 11.189 | 11.167 | 11.216 | HH | 4079  | 115608 | 3.29%  | 0.185% |  |
| 178    | 11.240 | 11.216 | 11.270 | HH | 8921  | 181085 | 5.15%  | 0.290% |  |
| 179    | 11.331 | 11.270 | 11.369 | HH | 9648  | 324189 | 9.22%  | 0.519% |  |
| 180    | 11.395 | 11.369 | 11.416 | HH | 4915  | 114001 | 3.24%  | 0.182% |  |
| 181    | 11.439 | 11.416 | 11.463 | HH | 4975  | 117956 | 3.36%  | 0.189% |  |
| 182    | 11.494 | 11.463 | 11.517 | HH | 6066  | 155698 | 4.43%  | 0.249% |  |
| 183    | 11.543 | 11.517 | 11.564 | HH | 4723  | 122193 | 3.48%  | 0.195% |  |
| 184    | 11.595 | 11.564 | 11.609 | HH | 9779  | 169411 | 4.82%  | 0.271% |  |
| 185    | 11.625 | 11.609 | 11.643 | HH | 11489 | 164332 | 4.67%  | 0.263% |  |
| 186    | 11.655 | 11.643 | 11.677 | HH | 6462  | 114183 | 3.25%  | 0.183% |  |
| 187    | 11.710 | 11.677 | 11.726 | HH | 8627  | 195901 | 5.57%  | 0.313% |  |
| 188    | 11.742 | 11.726 | 11.758 | HH | 8559  | 132428 | 3.77%  | 0.212% |  |
| 189    | 11.773 | 11.758 | 11.809 | HH | 9056  | 188260 | 5.36%  | 0.301% |  |
| 190    | 11.817 | 11.809 | 11.832 | HH | 4299  | 57324  | 1.63%  | 0.092% |  |
| 191    | 11.853 | 11.832 | 11.869 | HH | 4876  | 100502 | 2.86%  | 0.161% |  |
| 192    | 11.909 | 11.869 | 11.932 | HH | 9840  | 256903 | 7.31%  | 0.411% |  |
| 193    | 11.953 | 11.932 | 11.975 | HH | 9730  | 175578 | 4.99%  | 0.281% |  |
| 194    | 11.998 | 11.975 | 12.047 | HH | 6732  | 235761 | 6.71%  | 0.377% |  |

Instrument :  
FID\_F  
ClientSampleId :  
K005-AA-WC-1

Manual Integrations  
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Instrument :  
FID\_F  
ClientSampleId :  
K005-AA-WC-1

Manual Integrations  
APPROVED

mohammad  
12/27/2019 9:46:20 AM

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 12.066 | 12.047 | 12.089 | HH | 8452   | 154711  | 4.40%  | 0.247% |
| 196    | 12.102 | 12.089 | 12.114 | HH | 5103   | 73573   | 2.09%  | 0.118% |
| 197    | 12.160 | 12.114 | 12.199 | HH | 110112 | 1562556 | 44.45% | 2.499% |
| 198    | 12.213 | 12.199 | 12.257 | HH | 6816   | 211956  | 6.03%  | 0.339% |
| 199    | 12.291 | 12.257 | 12.298 | HH | 6077   | 144233  | 4.10%  | 0.231% |
| 200    | 12.318 | 12.298 | 12.354 | HH | 6928   | 204084  | 5.81%  | 0.326% |
| 201    | 12.382 | 12.354 | 12.394 | HH | 7150   | 149849  | 4.26%  | 0.240% |
| 202    | 12.402 | 12.394 | 12.421 | HH | 6611   | 98863   | 2.81%  | 0.158% |
| 203    | 12.443 | 12.421 | 12.472 | HH | 8296   | 209849  | 5.97%  | 0.336% |
| 204    | 12.493 | 12.472 | 12.512 | HH | 10185  | 191775  | 5.46%  | 0.307% |
| 205    | 12.548 | 12.512 | 12.573 | HH | 12119  | 319568  | 9.09%  | 0.511% |
| 206    | 12.608 | 12.573 | 12.650 | HH | 67922  | 966076  | 27.48% | 1.545% |
| 207    | 12.667 | 12.650 | 12.685 | HH | 6379   | 125521  | 3.57%  | 0.201% |
| 208    | 12.702 | 12.685 | 12.721 | HH | 6271   | 131127  | 3.73%  | 0.210% |
| 209    | 12.745 | 12.721 | 12.755 | HH | 6849   | 128663  | 3.66%  | 0.206% |
| 210    | 12.796 | 12.755 | 12.807 | HH | 9092   | 250730  | 7.13%  | 0.401% |
| 211    | 12.816 | 12.807 | 12.862 | HH | 8512   | 242430  | 6.90%  | 0.388% |
| 212    | 12.906 | 12.862 | 12.929 | HH | 60132  | 848261  | 24.13% | 1.357% |
| 213    | 12.963 | 12.929 | 12.978 | HH | 11718  | 272854  | 7.76%  | 0.436% |
| 214    | 12.993 | 12.978 | 13.022 | HH | 12066  | 237726  | 6.76%  | 0.380% |
| 215    | 13.044 | 13.022 | 13.064 | HH | 8131   | 187564  | 5.34%  | 0.300% |
| 216    | 13.080 | 13.064 | 13.092 | HH | 8739   | 138388  | 3.94%  | 0.221% |
| 217    | 13.105 | 13.092 | 13.132 | HH | 9229   | 190809  | 5.43%  | 0.305% |
| 218    | 13.168 | 13.132 | 13.196 | HH | 12734  | 374187  | 10.64% | 0.599% |
| 219    | 13.221 | 13.196 | 13.277 | HH | 9866   | 428097  | 12.18% | 0.685% |
| 220    | 13.301 | 13.277 | 13.318 | HH | 9192   | 206631  | 5.88%  | 0.331% |
| 221    | 13.383 | 13.318 | 13.449 | HH | 30640  | 965502  | 27.46% | 1.544% |
| 222    | 13.494 | 13.449 | 13.527 | HH | 15387  | 503213  | 14.31% | 0.805% |
| 223    | 13.562 | 13.527 | 13.576 | HH | 9450   | 269807  | 7.67%  | 0.432% |
| 224    | 13.603 | 13.576 | 13.624 | HH | 11684  | 286746  | 8.16%  | 0.459% |
| 225    | 13.642 | 13.624 | 13.662 | HH | 13323  | 255642  | 7.27%  | 0.409% |
| 226    | 13.685 | 13.662 | 13.711 | HH | 10612  | 286665  | 8.15%  | 0.459% |
| 227    | 13.742 | 13.711 | 13.757 | HH | 14232  | 327823  | 9.33%  | 0.524% |
| 228    | 13.769 | 13.757 | 13.789 | HH | 13648  | 226885  | 6.45%  | 0.363% |
| 229    | 13.810 | 13.789 | 13.853 | HH | 13053  | 409011  | 11.63% | 0.654% |
| 230    | 13.886 | 13.853 | 13.908 | HH | 10411  | 321496  | 9.15%  | 0.514% |
| 231    | 13.929 | 13.908 | 13.938 | HH | 9854   | 171922  | 4.89%  | 0.275% |
| 232    | 13.972 | 13.938 | 14.012 | HH | 11301  | 470800  | 13.39% | 0.753% |
| 233    | 14.024 | 14.012 | 14.058 | HH | 10720  | 285487  | 8.12%  | 0.457% |
| 234    | 14.074 | 14.058 | 14.089 | HH | 10329  | 187898  | 5.34%  | 0.301% |
| 235    | 14.131 | 14.089 | 14.164 | HH | 14919  | 539719  | 15.35% | 0.863% |
| 236    | 14.189 | 14.164 | 14.194 | HH | 12023  | 215563  | 6.13%  | 0.345% |
| 237    | 14.198 | 14.194 | 14.203 | HH | 11799  | 63940   | 1.82%  | 0.102% |
| 238    | 14.227 | 14.203 | 14.252 | HH | 16463  | 390063  | 11.10% | 0.624% |
| 239    | 14.255 | 14.252 | 14.282 | HH | 11541  | 201654  | 5.74%  | 0.323% |
| 240    | 14.304 | 14.282 | 14.323 | HH | 16526  | 342397  | 9.74%  | 0.548% |
| 241    | 14.358 | 14.323 | 14.378 | HH | 15583  | 448571  | 12.76% | 0.718% |
| 242    | 14.404 | 14.378 | 14.430 | HH | 16137  | 453832  | 12.91% | 0.726% |
| 243    | 14.433 | 14.430 | 14.449 | HH | 13502  | 143142  | 4.07%  | 0.229% |
| 244    | 14.469 | 14.449 | 14.490 | HH | 19179  | 386759  | 11.00% | 0.619% |
| 245    | 14.529 | 14.490 | 14.553 | HH | 18359  | 556459  | 15.83% | 0.890% |
| 246    | 14.558 | 14.553 | 14.570 | HH | 12407  | 125068  | 3.56%  | 0.200% |

Instrument :  
FID\_F  
ClientSampleId :  
K005-AA-WC-1

Manual Integrations  
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| rteres                  |        |        |        |     |        |         |          |        |  |
|-------------------------|--------|--------|--------|-----|--------|---------|----------|--------|--|
| 247                     | 14.590 | 14.570 | 14.605 | HH  | 12962  | 268028  | 7.62%    | 0.429% |  |
| 248                     | 14.641 | 14.605 | 14.674 | HH  | 230645 | 3515487 | 100.00%  | 5.623% |  |
| 249                     | 14.685 | 14.674 | 14.713 | HH  | 14096  | 313065  | 8.91%    | 0.501% |  |
| 250                     | 14.732 | 14.713 | 14.753 | HH  | 14154  | 314583  | 8.95%    | 0.503% |  |
| 251                     | 14.779 | 14.753 | 14.799 | HH  | 39026  | 649793  | 18.48%   | 1.039% |  |
| 252                     | 14.821 | 14.799 | 14.861 | HH  | 40348  | 869920  | 24.75%   | 1.392% |  |
| 253                     | 14.886 | 14.861 | 14.905 | HH  | 13763  | 351636  | 10.00%   | 0.562% |  |
| 254                     | 14.941 | 14.905 | 14.968 | HH  | 16981  | 535729  | 15.24%   | 0.857% |  |
| 255                     | 14.972 | 14.968 | 14.995 | HH  | 13630  | 221891  | 6.31%    | 0.355% |  |
| 256                     | 15.019 | 14.995 | 15.054 | HH  | 14358  | 471248  | 13.40%   | 0.754% |  |
| 257                     | 15.083 | 15.054 | 15.105 | HH  | 15609  | 432014  | 12.29%   | 0.691% |  |
| 258                     | 15.122 | 15.105 | 15.158 | HH  | 15225  | 468965  | 13.34%   | 0.750% |  |
| 259                     | 15.173 | 15.158 | 15.188 | HH  | 13999  | 242733  | 6.90%    | 0.388% |  |
| 260                     | 15.219 | 15.188 | 15.309 | HH  | 105627 | 2381941 | 67.76%   | 3.810% |  |
| 261                     | 15.321 | 15.309 | 15.332 | HH  | 14596  | 199051  | 5.66%    | 0.318% |  |
| 262                     | 15.360 | 15.332 | 15.397 | HH  | 23907  | 740071  | 21.05%   | 1.184% |  |
| 263                     | 15.445 | 15.397 | 15.472 | HH  | 23665  | 880967  | 25.06%   | 1.409% |  |
| 264                     | 15.490 | 15.472 | 15.517 | HH  | 18832  | 467262  | 13.29%   | 0.747% |  |
| 265                     | 15.538 | 15.517 | 15.550 | HH  | 17216  | 332101  | 9.45%    | 0.531% |  |
| 266                     | 15.614 | 15.550 | 15.643 | HH  | 20535  | 1036983 | 29.50%   | 1.659% |  |
| 267                     | 15.688 | 15.643 | 15.712 | HH  | 20012  | 782022  | 22.25%   | 1.251% |  |
| 268                     | 15.736 | 15.712 | 15.757 | HH  | 21177  | 527871  | 15.02%   | 0.844% |  |
| 269                     | 15.775 | 15.757 | 15.797 | HH  | 19873  | 465446  | 13.24%   | 0.745% |  |
| 270                     | 15.808 | 15.797 | 15.829 | HH  | 20175  | 371578  | 10.57%   | 0.594% |  |
| 271                     | 15.860 | 15.829 | 15.916 | HH  | 30524  | 1166785 | 33.19%   | 1.866% |  |
| 272                     | 15.924 | 15.916 | 15.944 | HH  | 19645  | 329826  | 9.38%    | 0.528% |  |
| 273                     | 15.956 | 15.944 | 15.965 | HH  | 19494  | 251717  | 7.16%    | 0.403% |  |
| 274                     | 15.978 | 15.965 | 15.994 | HH  | 19387  | 328240  | 9.34%    | 0.525% |  |
| 275                     | 16.002 | 15.994 | 16.015 | HH  | 19586  | 242880  | 6.91%    | 0.389% |  |
| 276                     | 16.063 | 16.015 | 16.099 | HH  | 22394  | 1067522 | 30.37%   | 1.708% |  |
| 277                     | 16.120 | 16.099 | 16.129 | HH  | 22598  | 391711  | 11.14%   | 0.627% |  |
| 278                     | 16.156 | 16.129 | 16.184 | HH  | 27132  | 815734  | 23.20%   | 1.305% |  |
| 279                     | 16.231 | 16.184 | 16.284 | HH  | 32101  | 1573116 | 44.75%   | 2.516% |  |
| 280                     | 16.336 | 16.284 | 16.401 | HH  | 64512  | 2423692 | 68.94%   | 3.877% |  |
| 281                     | 16.421 | 16.401 | 16.438 | HH  | 26562  | 569655  | 16.20%   | 0.911% |  |
| 282                     | 16.468 | 16.438 | 16.491 | HH  | 35719  | 965673  | 27.47%   | 1.545% |  |
| 283                     | 16.504 | 16.491 | 16.538 | HH  | 28305  | 770712  | 21.92%   | 1.233% |  |
| 284                     | 16.558 | 16.538 | 16.568 | HH  | 27697  | 493101  | 14.03%   | 0.789% |  |
| 285                     | 16.590 | 16.568 | 16.605 | HH  | 30461  | 653211  | 18.58%   | 1.045% |  |
| 286                     | 16.654 | 16.605 | 16.682 | HH  | 46330  | 1583497 | 45.04%   | 2.533% |  |
| 287                     | 16.712 | 16.682 | 16.758 | HH  | 51999  | 1601599 | 45.56%   | 2.562% |  |
| 288                     | 16.808 | 16.758 | 16.840 | HHA | 51851  | 1790789 | 50.94%   | 2.865% |  |
| Sum of corrected areas: |        |        |        |     |        |         | 62515808 |        |  |

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