

rteres.txt

## Area Percent Report

Instrument :  
FID\_G  
ClientSampleId :  
ZER-SB-01-03-04-0-11MSD

Manual Integrations  
APPROVED

mohammad  
7/3/2018 4:28:06 PM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG070218\  
Data File : FG001559.D  
Signal(s) : FID1A.ch  
Acq On : 02 Jul 2018 20:24  
Sample : J3749-04MSD 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG070218.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         | 2.183       | 2.145        | 2.302      | PH       | 34052          | 277134       | 1.51%          | 0.059%        |
| 2         | 2.310       | 2.302        | 2.324      | PH       | 64             | 611          | 0.00%          | 0.000%        |
| 3         | 2.340       | 2.324        | 2.397      | HH       | 2958           | 35092        | 0.19%          | 0.007%        |
| 4         | 2.412       | 2.397        | 2.429      | HH       | 135            | 1506         | 0.01%          | 0.000%        |
| 5         | 2.454       | 2.429        | 2.488      | PH       | 222            | 2733         | 0.01%          | 0.001%        |
| 6         | 2.507       | 2.488        | 2.565      | PH       | 188            | 4426         | 0.02%          | 0.001%        |
| 7         | 2.578       | 2.565        | 2.612      | HH       | 83             | 1792         | 0.01%          | 0.000%        |
| 8         | 2.636       | 2.612        | 2.704      | HH       | 1968           | 19973        | 0.11%          | 0.004%        |
| 9         | 2.726       | 2.704        | 2.785      | PH       | 2721           | 38573        | 0.21%          | 0.008%        |
| 10        | 2.792       | 2.785        | 2.811      | HH       | 221            | 2345         | 0.01%          | 0.001%        |
| 11        | 2.831       | 2.811        | 2.870      | HH       | 259            | 5339         | 0.03%          | 0.001%        |
| 12        | 2.906       | 2.870        | 2.931      | HH       | 1059           | 18090        | 0.10%          | 0.004%        |
| 13        | 2.948       | 2.931        | 2.975      | HH       | 1967           | 22176        | 0.12%          | 0.005%        |
| 14        | 2.988       | 2.975        | 3.060      | HH       | 470            | 15342        | 0.08%          | 0.003%        |
| 15        | 3.088       | 3.060        | 3.177      | HH       | 539            | 17684        | 0.10%          | 0.004%        |
| 16        | 3.201       | 3.177        | 3.264      | HH       | 861            | 16284        | 0.09%          | 0.003%        |
| 17        | 3.295       | 3.264        | 3.332      | HH       | 362            | 9819         | 0.05%          | 0.002%        |
| 18        | 3.341       | 3.332        | 3.358      | HH       | 213            | 2900         | 0.02%          | 0.001%        |
| 19        | 3.383       | 3.358        | 3.427      | HH       | 313            | 8910         | 0.05%          | 0.002%        |
| 20        | 3.494       | 3.427        | 3.518      | HH       | 538            | 18565        | 0.10%          | 0.004%        |
| 21        | 3.531       | 3.518        | 3.555      | HH       | 357            | 6633         | 0.04%          | 0.001%        |
| 22        | 3.573       | 3.555        | 3.591      | HH       | 623            | 9748         | 0.05%          | 0.002%        |
| 23        | 3.606       | 3.591        | 3.631      | HH       | 584            | 10660        | 0.06%          | 0.002%        |
| 24        | 3.643       | 3.631        | 3.658      | HH       | 441            | 6288         | 0.03%          | 0.001%        |
| 25        | 3.692       | 3.658        | 3.728      | HH       | 1074           | 24686        | 0.13%          | 0.005%        |
| 26        | 3.734       | 3.728        | 3.751      | HH       | 532            | 5776         | 0.03%          | 0.001%        |
| 27        | 3.775       | 3.751        | 3.835      | HH       | 995            | 24500        | 0.13%          | 0.005%        |
| 28        | 3.881       | 3.835        | 3.948      | HH       | 2615           | 79560        | 0.43%          | 0.017%        |
| 29        | 3.961       | 3.948        | 3.985      | HH       | 1156           | 19612        | 0.11%          | 0.004%        |
| 30        | 4.029       | 3.985        | 4.056      | HH       | 2153           | 49982        | 0.27%          | 0.011%        |
| 31        | 4.066       | 4.056        | 4.167      | HH       | 1098           | 45741        | 0.25%          | 0.010%        |
| 32        | 4.181       | 4.167        | 4.204      | HH       | 585            | 12098        | 0.07%          | 0.003%        |
| 33        | 4.216       | 4.204        | 4.238      | HH       | 583            | 11071        | 0.06%          | 0.002%        |
| 34        | 4.268       | 4.238        | 4.295      | HH       | 47065          | 449004       | 2.45%          | 0.096%        |
| 35        | 4.306       | 4.295        | 4.322      | HH       | 1084           | 13592        | 0.07%          | 0.003%        |
| 36        | 4.337       | 4.322        | 4.355      | HH       | 753            | 12883        | 0.07%          | 0.003%        |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 37         | 4.369 | 4.355 | 4.398 | HH | 1806  | 27506  | 0.15% | 0.006% |
| 38         | 4.415 | 4.398 | 4.445 | HH | 1264  | 22069  | 0.12% | 0.005% |
| 39         | 4.470 | 4.445 | 4.508 | HH | 2707  | 56641  | 0.31% | 0.012% |
| 40         | 4.521 | 4.508 | 4.535 | HH | 1020  | 13643  | 0.07% | 0.003% |
| 41         | 4.546 | 4.535 | 4.584 | HH | 754   | 17624  | 0.10% | 0.004% |
| 42         | 4.616 | 4.584 | 4.629 | HH | 665   | 15301  | 0.08% | 0.003% |
| 43         | 4.645 | 4.629 | 4.659 | HH | 721   | 11052  | 0.06% | 0.002% |
| 44         | 4.681 | 4.659 | 4.703 | HH | 694   | 14836  | 0.08% | 0.003% |
| 45         | 4.723 | 4.703 | 4.764 | HH | 614   | 17296  | 0.09% | 0.004% |
| 46         | 4.792 | 4.764 | 4.812 | HH | 408   | 9861   | 0.05% | 0.002% |
| 47         | 4.853 | 4.812 | 4.894 | HH | 569   | 22026  | 0.12% | 0.005% |
| 48         | 4.906 | 4.894 | 4.932 | HH | 622   | 11112  | 0.06% | 0.002% |
| 49         | 4.952 | 4.932 | 4.966 | HH | 577   | 10211  | 0.06% | 0.002% |
| 50         | 4.982 | 4.966 | 4.994 | HH | 712   | 9057   | 0.05% | 0.002% |
| 51         | 5.008 | 4.994 | 5.049 | HH | 629   | 14632  | 0.08% | 0.003% |
| 52         | 5.070 | 5.049 | 5.104 | HH | 508   | 12422  | 0.07% | 0.003% |
| 53         | 5.125 | 5.104 | 5.147 | HH | 847   | 14352  | 0.08% | 0.003% |
| 54         | 5.160 | 5.147 | 5.171 | HH | 440   | 5980   | 0.03% | 0.001% |
| 55         | 5.188 | 5.171 | 5.228 | HH | 590   | 12437  | 0.07% | 0.003% |
| 56         | 5.248 | 5.228 | 5.276 | HH | 605   | 9817   | 0.05% | 0.002% |
| 57         | 5.304 | 5.276 | 5.345 | HH | 1713  | 29826  | 0.16% | 0.006% |
| 58         | 5.370 | 5.345 | 5.405 | HH | 1225  | 21702  | 0.12% | 0.005% |
| 59         | 5.414 | 5.405 | 5.448 | HH | 376   | 7909   | 0.04% | 0.002% |
| 60         | 5.483 | 5.448 | 5.506 | HH | 709   | 14525  | 0.08% | 0.003% |
| 61         | 5.522 | 5.506 | 5.542 | HH | 732   | 10827  | 0.06% | 0.002% |
| 62         | 5.562 | 5.542 | 5.570 | HH | 785   | 11038  | 0.06% | 0.002% |
| 63         | 5.599 | 5.570 | 5.659 | HH | 1111  | 38270  | 0.21% | 0.008% |
| 64         | 5.673 | 5.659 | 5.685 | HH | 545   | 6994   | 0.04% | 0.001% |
| 65         | 5.716 | 5.685 | 5.732 | HH | 426   | 10063  | 0.05% | 0.002% |
| 66         | 5.755 | 5.732 | 5.775 | HH | 565   | 10333  | 0.06% | 0.002% |
| 67         | 5.808 | 5.775 | 5.823 | HH | 665   | 13498  | 0.07% | 0.003% |
| 68         | 5.846 | 5.823 | 5.883 | HH | 6247  | 82369  | 0.45% | 0.018% |
| 69         | 5.893 | 5.883 | 5.928 | HH | 920   | 17214  | 0.09% | 0.004% |
| 70         | 5.944 | 5.928 | 5.965 | HH | 745   | 12280  | 0.07% | 0.003% |
| 71         | 5.986 | 5.965 | 5.996 | HH | 742   | 11440  | 0.06% | 0.002% |
| 72         | 6.008 | 5.996 | 6.052 | HH | 817   | 19711  | 0.11% | 0.004% |
| 73         | 6.082 | 6.052 | 6.099 | HH | 626   | 15437  | 0.08% | 0.003% |
| 74         | 6.131 | 6.099 | 6.160 | HH | 1132  | 30326  | 0.17% | 0.006% |
| 75         | 6.238 | 6.160 | 6.252 | HH | 1603  | 67281  | 0.37% | 0.014% |
| 76         | 6.284 | 6.252 | 6.353 | HH | 47081 | 534109 | 2.92% | 0.114% |
| 77         | 6.363 | 6.353 | 6.381 | HH | 708   | 11213  | 0.06% | 0.002% |
| 78         | 6.432 | 6.381 | 6.452 | HH | 1007  | 27614  | 0.15% | 0.006% |
| 79         | 6.469 | 6.452 | 6.517 | HH | 700   | 17808  | 0.10% | 0.004% |
| 80         | 6.558 | 6.517 | 6.575 | HH | 582   | 14239  | 0.08% | 0.003% |
| 81         | 6.603 | 6.575 | 6.652 | HH | 789   | 24886  | 0.14% | 0.005% |
| 82         | 6.678 | 6.652 | 6.698 | HH | 907   | 16677  | 0.09% | 0.004% |
| 83         | 6.714 | 6.698 | 6.731 | HH | 514   | 9453   | 0.05% | 0.002% |
| 84         | 6.776 | 6.731 | 6.788 | HH | 911   | 21828  | 0.12% | 0.005% |
| 85         | 6.803 | 6.788 | 6.825 | HH | 1050  | 19463  | 0.11% | 0.004% |
| 86         | 6.838 | 6.825 | 6.868 | HH | 1131  | 22418  | 0.12% | 0.005% |
| 87         | 6.900 | 6.868 | 6.925 | HH | 4694  | 69053  | 0.38% | 0.015% |
| 88         | 6.937 | 6.925 | 6.964 | HH | 1064  | 20843  | 0.11% | 0.004% |
| 89         | 6.986 | 6.964 | 7.012 | HH | 1538  | 29303  | 0.16% | 0.006% |

Instrument :  
FID\_G  
ClientSampleId :  
ZER-SB-01-03-04-0-11MSD

Manual Integrations  
APPROVED

mohammad  
7/3/2018 4:28:06 PM

|     |       |       |       |    |            |        |       |        |
|-----|-------|-------|-------|----|------------|--------|-------|--------|
|     |       |       |       |    | rteres.txt |        |       |        |
| 90  | 7.034 | 7.012 | 7.062 | HH | 4127       | 54190  | 0.30% | 0.012% |
| 91  | 7.081 | 7.062 | 7.140 | HH | 1006       | 33549  | 0.18% | 0.007% |
| 92  | 7.206 | 7.140 | 7.230 | HH | 2118       | 52632  | 0.29% | 0.011% |
| 93  | 7.247 | 7.230 | 7.309 | HH | 795        | 34805  | 0.19% | 0.007% |
| 94  | 7.334 | 7.309 | 7.353 | HH | 796        | 18835  | 0.10% | 0.004% |
| 95  | 7.378 | 7.353 | 7.409 | HH | 1206       | 28745  | 0.16% | 0.006% |
| 96  | 7.426 | 7.409 | 7.452 | HH | 828        | 17393  | 0.09% | 0.004% |
| 97  | 7.486 | 7.452 | 7.507 | HH | 1125       | 26987  | 0.15% | 0.006% |
| 98  | 7.538 | 7.507 | 7.557 | HH | 890        | 23192  | 0.13% | 0.005% |
| 99  | 7.571 | 7.557 | 7.585 | HH | 828        | 12746  | 0.07% | 0.003% |
| 100 | 7.587 | 7.585 | 7.605 | HH | 787        | 8826   | 0.05% | 0.002% |
| 101 | 7.628 | 7.605 | 7.702 | HH | 2402       | 80922  | 0.44% | 0.017% |
| 102 | 7.726 | 7.702 | 7.742 | HH | 1179       | 24730  | 0.14% | 0.005% |
| 103 | 7.780 | 7.742 | 7.797 | HH | 2869       | 60641  | 0.33% | 0.013% |
| 104 | 7.807 | 7.797 | 7.819 | HH | 2146       | 26005  | 0.14% | 0.006% |
| 105 | 7.827 | 7.819 | 7.854 | HH | 2028       | 35591  | 0.19% | 0.008% |
| 106 | 7.893 | 7.854 | 7.930 | HH | 4385       | 118773 | 0.65% | 0.025% |
| 107 | 7.995 | 7.930 | 8.010 | HH | 7719       | 146648 | 0.80% | 0.031% |
| 108 | 8.022 | 8.010 | 8.039 | HH | 5434       | 68659  | 0.38% | 0.015% |
| 109 | 8.076 | 8.039 | 8.108 | HH | 48765      | 590871 | 3.23% | 0.126% |
| 110 | 8.133 | 8.108 | 8.156 | HH | 22881      | 283448 | 1.55% | 0.061% |
| 111 | 8.176 | 8.156 | 8.211 | HH | 15650      | 243207 | 1.33% | 0.052% |
| 112 | 8.228 | 8.211 | 8.247 | HH | 3406       | 56903  | 0.31% | 0.012% |
| 113 | 8.266 | 8.247 | 8.286 | HH | 3299       | 58728  | 0.32% | 0.013% |
| 114 | 8.303 | 8.286 | 8.343 | HH | 2261       | 66139  | 0.36% | 0.014% |
| 115 | 8.359 | 8.343 | 8.385 | HH | 1551       | 35413  | 0.19% | 0.008% |
| 116 | 8.431 | 8.385 | 8.440 | HH | 2326       | 59051  | 0.32% | 0.013% |
| 117 | 8.471 | 8.440 | 8.503 | HH | 13101      | 198917 | 1.09% | 0.042% |
| 118 | 8.523 | 8.503 | 8.558 | HH | 4438       | 97581  | 0.53% | 0.021% |
| 119 | 8.589 | 8.558 | 8.598 | HH | 3197       | 66053  | 0.36% | 0.014% |
| 120 | 8.612 | 8.598 | 8.645 | HH | 3778       | 76849  | 0.42% | 0.016% |
| 121 | 8.663 | 8.645 | 8.676 | HH | 2536       | 41936  | 0.23% | 0.009% |
| 122 | 8.713 | 8.676 | 8.729 | HH | 5871       | 111182 | 0.61% | 0.024% |
| 123 | 8.746 | 8.729 | 8.771 | HH | 7264       | 115395 | 0.63% | 0.025% |
| 124 | 8.798 | 8.771 | 8.825 | HH | 3811       | 108565 | 0.59% | 0.023% |
| 125 | 8.837 | 8.825 | 8.860 | HH | 3323       | 60472  | 0.33% | 0.013% |
| 126 | 8.895 | 8.860 | 8.911 | HH | 6380       | 139385 | 0.76% | 0.030% |
| 127 | 8.923 | 8.911 | 8.962 | HH | 5775       | 109559 | 0.60% | 0.023% |
| 128 | 8.982 | 8.962 | 9.012 | HH | 2856       | 69252  | 0.38% | 0.015% |
| 129 | 9.038 | 9.012 | 9.055 | HH | 5392       | 91598  | 0.50% | 0.020% |
| 130 | 9.070 | 9.055 | 9.104 | HH | 4660       | 92581  | 0.51% | 0.020% |
| 131 | 9.121 | 9.104 | 9.138 | HH | 3596       | 60602  | 0.33% | 0.013% |
| 132 | 9.174 | 9.138 | 9.198 | HH | 5474       | 128957 | 0.70% | 0.028% |
| 133 | 9.255 | 9.198 | 9.309 | HH | 18483      | 416746 | 2.28% | 0.089% |
| 134 | 9.334 | 9.309 | 9.352 | HH | 6341       | 113603 | 0.62% | 0.024% |
| 135 | 9.375 | 9.352 | 9.384 | HH | 4720       | 85119  | 0.46% | 0.018% |
| 136 | 9.404 | 9.384 | 9.425 | HH | 8960       | 153569 | 0.84% | 0.033% |
| 137 | 9.435 | 9.425 | 9.447 | HH | 4917       | 58940  | 0.32% | 0.013% |
| 138 | 9.464 | 9.447 | 9.487 | HH | 6725       | 118738 | 0.65% | 0.025% |
| 139 | 9.514 | 9.487 | 9.551 | HH | 4334       | 133462 | 0.73% | 0.028% |
| 140 | 9.578 | 9.551 | 9.618 | HH | 6818       | 181584 | 0.99% | 0.039% |
| 141 | 9.631 | 9.618 | 9.645 | HH | 4279       | 62957  | 0.34% | 0.013% |

Instrument :  
FID\_G  
ClientSampleId :  
ZER-SB-01-03-04-0-11MSD

Manual Integrations  
APPROVED

mohammad  
7/3/2018 4:28:06 PM

| rteres.txt |        |        |        |    |        |         |       |        |
|------------|--------|--------|--------|----|--------|---------|-------|--------|
| 142        | 9.675  | 9.645  | 9.722  | HH | 53883  | 755633  | 4.13% | 0.161% |
| 143        | 9.738  | 9.722  | 9.755  | HH | 4084   | 75549   | 0.41% | 0.016% |
| 144        | 9.775  | 9.755  | 9.805  | HH | 4101   | 105521  | 0.58% | 0.023% |
| 145        | 9.843  | 9.805  | 9.893  | HH | 4300   | 177475  | 0.97% | 0.038% |
| 146        | 9.947  | 9.893  | 9.963  | HH | 3607   | 132376  | 0.72% | 0.028% |
| 147        | 10.001 | 9.963  | 10.014 | HH | 4768   | 120066  | 0.66% | 0.026% |
| 148        | 10.025 | 10.014 | 10.037 | HH | 4401   | 55905   | 0.31% | 0.012% |
| 149        | 10.063 | 10.037 | 10.085 | HH | 6178   | 142238  | 0.78% | 0.030% |
| 150        | 10.136 | 10.085 | 10.160 | HH | 11083  | 310648  | 1.70% | 0.066% |
| 151        | 10.176 | 10.160 | 10.225 | HH | 8553   | 223473  | 1.22% | 0.048% |
| 152        | 10.254 | 10.225 | 10.290 | HH | 9821   | 261289  | 1.43% | 0.056% |
| 153        | 10.312 | 10.290 | 10.360 | HH | 8578   | 279131  | 1.52% | 0.060% |
| 154        | 10.417 | 10.360 | 10.438 | HH | 12722  | 359072  | 1.96% | 0.077% |
| 155        | 10.459 | 10.438 | 10.518 | HH | 14322  | 438641  | 2.40% | 0.094% |
| 156        | 10.554 | 10.518 | 10.574 | HH | 7800   | 218141  | 1.19% | 0.047% |
| 157        | 10.587 | 10.574 | 10.606 | HH | 5584   | 101907  | 0.56% | 0.022% |
| 158        | 10.654 | 10.606 | 10.680 | HH | 139593 | 1732344 | 9.46% | 0.370% |
| 159        | 10.691 | 10.680 | 10.707 | HH | 12680  | 167906  | 0.92% | 0.036% |
| 160        | 10.729 | 10.707 | 10.798 | HH | 49328  | 858248  | 4.69% | 0.183% |
| 161        | 10.808 | 10.798 | 10.821 | HH | 6948   | 91674   | 0.50% | 0.020% |
| 162        | 10.832 | 10.821 | 10.854 | HH | 6589   | 120840  | 0.66% | 0.026% |
| 163        | 10.869 | 10.854 | 10.894 | HH | 6240   | 140139  | 0.77% | 0.030% |
| 164        | 10.916 | 10.894 | 10.931 | HH | 6361   | 132279  | 0.72% | 0.028% |
| 165        | 10.955 | 10.931 | 10.989 | HH | 11688  | 293711  | 1.60% | 0.063% |
| 166        | 11.018 | 10.989 | 11.034 | HH | 7506   | 187434  | 1.02% | 0.040% |
| 167        | 11.053 | 11.034 | 11.072 | HH | 8512   | 176890  | 0.97% | 0.038% |
| 168        | 11.117 | 11.072 | 11.158 | HH | 51953  | 917138  | 5.01% | 0.196% |
| 169        | 11.190 | 11.158 | 11.231 | HH | 14396  | 474278  | 2.59% | 0.101% |
| 170        | 11.256 | 11.231 | 11.282 | HH | 9622   | 250426  | 1.37% | 0.053% |
| 171        | 11.309 | 11.282 | 11.332 | HH | 12849  | 280687  | 1.53% | 0.060% |
| 172        | 11.351 | 11.332 | 11.363 | HH | 8576   | 144777  | 0.79% | 0.031% |
| 173        | 11.380 | 11.363 | 11.400 | HH | 10231  | 200859  | 1.10% | 0.043% |
| 174        | 11.414 | 11.400 | 11.428 | HH | 8491   | 138631  | 0.76% | 0.030% |
| 175        | 11.458 | 11.428 | 11.473 | HH | 32305  | 481835  | 2.63% | 0.103% |
| 176        | 11.489 | 11.473 | 11.528 | HH | 38024  | 612488  | 3.35% | 0.131% |
| 177        | 11.570 | 11.528 | 11.589 | HH | 37187  | 757715  | 4.14% | 0.162% |
| 178        | 11.606 | 11.589 | 11.620 | HH | 25997  | 352931  | 1.93% | 0.075% |
| 179        | 11.636 | 11.620 | 11.693 | HH | 32315  | 670562  | 3.66% | 0.143% |
| 180        | 11.722 | 11.693 | 11.741 | HH | 9818   | 260168  | 1.42% | 0.056% |
| 181        | 11.788 | 11.741 | 11.807 | HH | 13466  | 428268  | 2.34% | 0.091% |
| 182        | 11.838 | 11.807 | 11.863 | HH | 47700  | 820358  | 4.48% | 0.175% |
| 183        | 11.881 | 11.863 | 11.907 | HH | 17606  | 358906  | 1.96% | 0.077% |
| 184        | 11.930 | 11.907 | 11.973 | HH | 22623  | 566335  | 3.09% | 0.121% |
| 185        | 11.992 | 11.973 | 12.012 | HH | 13144  | 270261  | 1.48% | 0.058% |
| 186        | 12.040 | 12.012 | 12.067 | HH | 38730  | 686799  | 3.75% | 0.147% |
| 187        | 12.075 | 12.067 | 12.095 | HH | 13732  | 213781  | 1.17% | 0.046% |
| 188        | 12.134 | 12.095 | 12.150 | HH | 12909  | 403094  | 2.20% | 0.086% |
| 189        | 12.180 | 12.150 | 12.192 | HH | 14463  | 326486  | 1.78% | 0.070% |
| 190        | 12.203 | 12.192 | 12.228 | HH | 14583  | 286831  | 1.57% | 0.061% |
| 191        | 12.249 | 12.228 | 12.289 | HH | 19432  | 541477  | 2.96% | 0.116% |
| 192        | 12.316 | 12.289 | 12.337 | HH | 17313  | 429462  | 2.35% | 0.092% |
| 193        | 12.359 | 12.337 | 12.378 | HH | 34453  | 580475  | 3.17% | 0.124% |
| 194        | 12.394 | 12.378 | 12.403 | HH | 20921  | 293151  | 1.60% | 0.063% |

Instrument :  
FID\_G  
ClientSampleId :  
ZER-SB-01-03-04-0-11MSD

Manual Integrations  
APPROVED

mohammad  
7/3/2018 4:28:06 PM

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 195        | 12.426 | 12.403 | 12.448 | HH | 60855  | 969544  | 5.30%  | 0.207% |
| 196        | 12.474 | 12.448 | 12.525 | HH | 233987 | 3117105 | 17.02% | 0.665% |
| 197        | 12.538 | 12.525 | 12.556 | HH | 13299  | 235925  | 1.29%  | 0.050% |
| 198        | 12.573 | 12.556 | 12.588 | HH | 13892  | 250150  | 1.37%  | 0.053% |
| 199        | 12.609 | 12.588 | 12.623 | HH | 18690  | 339022  | 1.85%  | 0.072% |
| 200        | 12.659 | 12.623 | 12.677 | HH | 22397  | 593262  | 3.24%  | 0.127% |
| 201        | 12.692 | 12.677 | 12.741 | HH | 18429  | 630782  | 3.45%  | 0.135% |
| 202        | 12.772 | 12.741 | 12.798 | HH | 213263 | 2740882 | 14.97% | 0.585% |
| 203        | 12.856 | 12.798 | 12.889 | HH | 137380 | 2775591 | 15.16% | 0.593% |
| 204        | 12.914 | 12.889 | 12.936 | HH | 177348 | 2437036 | 13.31% | 0.520% |
| 205        | 12.947 | 12.936 | 13.005 | HH | 35349  | 945033  | 5.16%  | 0.202% |
| 206        | 13.043 | 13.005 | 13.071 | HH | 28505  | 823867  | 4.50%  | 0.176% |
| 207        | 13.094 | 13.071 | 13.142 | HH | 33968  | 978261  | 5.34%  | 0.209% |
| 208        | 13.172 | 13.142 | 13.212 | HH | 22941  | 803305  | 4.39%  | 0.171% |
| 209        | 13.233 | 13.212 | 13.257 | HH | 31988  | 673912  | 3.68%  | 0.144% |
| 210        | 13.269 | 13.257 | 13.296 | HH | 20587  | 446467  | 2.44%  | 0.095% |
| 211        | 13.363 | 13.296 | 13.411 | HH | 60388  | 1917597 | 10.47% | 0.409% |
| 212        | 13.430 | 13.411 | 13.445 | HH | 20539  | 392161  | 2.14%  | 0.084% |
| 213        | 13.470 | 13.445 | 13.492 | HH | 48724  | 901132  | 4.92%  | 0.192% |
| 214        | 13.509 | 13.492 | 13.531 | HH | 39658  | 695627  | 3.80%  | 0.148% |
| 215        | 13.548 | 13.531 | 13.575 | HH | 24841  | 586577  | 3.20%  | 0.125% |
| 216        | 13.627 | 13.575 | 13.660 | HH | 72761  | 1917534 | 10.47% | 0.409% |
| 217        | 13.679 | 13.660 | 13.728 | HH | 36687  | 1048400 | 5.73%  | 0.224% |
| 218        | 13.760 | 13.728 | 13.778 | HH | 22786  | 650262  | 3.55%  | 0.139% |
| 219        | 13.846 | 13.778 | 13.862 | HH | 22719  | 1074008 | 5.87%  | 0.229% |
| 220        | 13.871 | 13.862 | 13.885 | HH | 21837  | 304034  | 1.66%  | 0.065% |
| 221        | 13.898 | 13.885 | 13.912 | HH | 22093  | 350142  | 1.91%  | 0.075% |
| 222        | 13.929 | 13.912 | 13.938 | HH | 22968  | 354989  | 1.94%  | 0.076% |
| 223        | 13.948 | 13.938 | 13.968 | HH | 23067  | 400091  | 2.19%  | 0.085% |
| 224        | 13.986 | 13.968 | 13.994 | HH | 22256  | 348324  | 1.90%  | 0.074% |
| 225        | 14.070 | 13.994 | 14.086 | HH | 32885  | 1490311 | 8.14%  | 0.318% |
| 226        | 14.101 | 14.086 | 14.140 | HH | 35686  | 961847  | 5.25%  | 0.205% |
| 227        | 14.193 | 14.140 | 14.223 | HH | 33707  | 1448255 | 7.91%  | 0.309% |
| 228        | 14.244 | 14.223 | 14.257 | HH | 34157  | 634363  | 3.46%  | 0.135% |
| 229        | 14.277 | 14.257 | 14.317 | HH | 43729  | 1255818 | 6.86%  | 0.268% |
| 230        | 14.340 | 14.317 | 14.366 | HH | 58114  | 1199345 | 6.55%  | 0.256% |
| 231        | 14.408 | 14.366 | 14.445 | HH | 38511  | 1518129 | 8.29%  | 0.324% |
| 232        | 14.466 | 14.445 | 14.485 | HH | 30707  | 702900  | 3.84%  | 0.150% |
| 233        | 14.527 | 14.485 | 14.582 | HH | 67168  | 2222615 | 12.14% | 0.474% |
| 234        | 14.608 | 14.582 | 14.624 | HH | 36303  | 791966  | 4.33%  | 0.169% |
| 235        | 14.654 | 14.624 | 14.674 | HH | 142268 | 2273101 | 12.42% | 0.485% |
| 236        | 14.694 | 14.674 | 14.715 | HH | 136923 | 2079359 | 11.36% | 0.444% |
| 237        | 14.730 | 14.715 | 14.775 | HH | 70855  | 1632037 | 8.91%  | 0.348% |
| 238        | 14.815 | 14.775 | 14.874 | HH | 60430  | 2335184 | 12.75% | 0.498% |
| 239        | 14.899 | 14.874 | 14.932 | HH | 37951  | 1197581 | 6.54%  | 0.256% |
| 240        | 14.963 | 14.932 | 14.982 | HH | 42934  | 1100140 | 6.01%  | 0.235% |
| 241        | 14.996 | 14.982 | 15.055 | HH | 38208  | 1582163 | 8.64%  | 0.338% |
| 242        | 15.110 | 15.055 | 15.185 | HH | 45702  | 2844143 | 15.53% | 0.607% |
| 243        | 15.250 | 15.185 | 15.302 | HH | 40441  | 2592308 | 14.16% | 0.553% |
| 244        | 15.329 | 15.302 | 15.349 | HH | 64377  | 1401603 | 7.66%  | 0.299% |
| 245        | 15.366 | 15.349 | 15.393 | HH | 49413  | 1100651 | 6.01%  | 0.235% |
| 246        | 15.411 | 15.393 | 15.435 | HH | 42608  | 1002286 | 5.47%  | 0.214% |

Instrument :  
FID\_G  
ClientSampleId :  
ZER-SB-01-03-04-0-11MSD

Manual Integrations  
APPROVED

mohammad  
7/3/2018 4:28:06 PM

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 247        | 15.490 | 15.435 | 15.530 | HH | 55491  | 2535077 | 13.85% | 0.541% |
| 248        | 15.565 | 15.530 | 15.592 | HH | 43574  | 1477441 | 8.07%  | 0.315% |
| 249        | 15.606 | 15.592 | 15.631 | HH | 38593  | 881902  | 4.82%  | 0.188% |
| 250        | 15.653 | 15.631 | 15.675 | HH | 42469  | 1045714 | 5.71%  | 0.223% |
| 251        | 15.702 | 15.675 | 15.714 | HH | 41641  | 932021  | 5.09%  | 0.199% |
| 252        | 15.754 | 15.714 | 15.808 | HH | 81263  | 2752491 | 15.03% | 0.588% |
| 253        | 15.830 | 15.808 | 15.846 | HH | 40675  | 911841  | 4.98%  | 0.195% |
| 254        | 15.863 | 15.846 | 15.878 | HH | 40026  | 745684  | 4.07%  | 0.159% |
| 255        | 15.931 | 15.878 | 15.982 | HH | 46587  | 2692077 | 14.70% | 0.575% |
| 256        | 16.007 | 15.982 | 16.022 | HH | 47854  | 1082755 | 5.91%  | 0.231% |
| 257        | 16.038 | 16.022 | 16.062 | HH | 46995  | 1101776 | 6.02%  | 0.235% |
| 258        | 16.129 | 16.062 | 16.171 | HH | 54987  | 3139512 | 17.15% | 0.670% |
| 259        | 16.218 | 16.171 | 16.236 | HH | 165584 | 3565091 | 19.47% | 0.761% |
| 260        | 16.243 | 16.236 | 16.288 | HH | 99812  | 2052663 | 11.21% | 0.438% |
| 261        | 16.347 | 16.288 | 16.371 | HH | 75314  | 2802378 | 15.31% | 0.598% |
| 262        | 16.383 | 16.371 | 16.423 | HH | 54315  | 1625095 | 8.88%  | 0.347% |
| 263        | 16.438 | 16.423 | 16.449 | HH | 52579  | 831422  | 4.54%  | 0.177% |
| 264        | 16.469 | 16.449 | 16.482 | HH | 55819  | 1073033 | 5.86%  | 0.229% |
| 265        | 16.538 | 16.482 | 16.566 | HH | 132764 | 3860649 | 21.09% | 0.824% |
| 266        | 16.597 | 16.566 | 16.638 | HH | 154628 | 3661877 | 20.00% | 0.782% |
| 267        | 16.702 | 16.638 | 16.729 | HH | 116114 | 3975241 | 21.71% | 0.849% |
| 268        | 16.751 | 16.729 | 16.790 | HH | 98375  | 2671196 | 14.59% | 0.570% |
| 269        | 16.840 | 16.790 | 16.878 | HH | 65711  | 3290282 | 17.97% | 0.702% |
| 270        | 16.905 | 16.878 | 16.922 | HH | 63878  | 1633194 | 8.92%  | 0.349% |
| 271        | 16.965 | 16.922 | 17.044 | HH | 76385  | 5065238 | 27.67% | 1.081% |
| 272        | 17.099 | 17.044 | 17.113 | HH | 75092  | 2892836 | 15.80% | 0.618% |
| 273        | 17.121 | 17.113 | 17.139 | HH | 73235  | 1117138 | 6.10%  | 0.238% |
| 274        | 17.159 | 17.139 | 17.172 | HH | 71312  | 1352058 | 7.38%  | 0.289% |
| 275        | 17.182 | 17.172 | 17.201 | HH | 73699  | 1252414 | 6.84%  | 0.267% |
| 276        | 17.215 | 17.201 | 17.232 | HH | 70722  | 1277709 | 6.98%  | 0.273% |
| 277        | 17.258 | 17.232 | 17.288 | HH | 80040  | 2453684 | 13.40% | 0.524% |
| 278        | 17.311 | 17.288 | 17.339 | HH | 70056  | 2125291 | 11.61% | 0.454% |
| 279        | 17.378 | 17.339 | 17.395 | HH | 71108  | 2288061 | 12.50% | 0.488% |
| 280        | 17.438 | 17.395 | 17.459 | HH | 70625  | 2639588 | 14.42% | 0.563% |
| 281        | 17.486 | 17.459 | 17.504 | HH | 72293  | 1935125 | 10.57% | 0.413% |
| 282        | 17.592 | 17.504 | 17.622 | HH | 114887 | 5899637 | 32.22% | 1.259% |
| 283        | 17.633 | 17.622 | 17.648 | HH | 75585  | 1185826 | 6.48%  | 0.253% |
| 284        | 17.692 | 17.648 | 17.701 | HH | 79896  | 2458530 | 13.43% | 0.525% |
| 285        | 17.725 | 17.701 | 17.807 | HH | 89477  | 5377894 | 29.37% | 1.148% |
| 286        | 17.829 | 17.807 | 17.855 | HH | 80256  | 2234330 | 12.20% | 0.477% |
| 287        | 17.880 | 17.855 | 17.920 | HH | 98181  | 3394244 | 18.54% | 0.725% |
| 288        | 17.973 | 17.920 | 17.999 | HH | 143342 | 4859267 | 26.54% | 1.037% |
| 289        | 18.016 | 17.999 | 18.041 | HH | 97260  | 2317951 | 12.66% | 0.495% |
| 290        | 18.061 | 18.041 | 18.074 | HH | 88071  | 1680144 | 9.18%  | 0.359% |
| 291        | 18.103 | 18.074 | 18.123 | HH | 107144 | 2883149 | 15.75% | 0.615% |
| 292        | 18.137 | 18.123 | 18.198 | HH | 98152  | 4063800 | 22.20% | 0.868% |
| 293        | 18.228 | 18.198 | 18.276 | HH | 147254 | 4778031 | 26.10% | 1.020% |
| 294        | 18.312 | 18.276 | 18.332 | HH | 95010  | 3055600 | 16.69% | 0.652% |
| 295        | 18.360 | 18.332 | 18.393 | HH | 109966 | 3607999 | 19.71% | 0.770% |
| 296        | 18.428 | 18.393 | 18.485 | HH | 124888 | 5550594 | 30.32% | 1.185% |
| 297        | 18.519 | 18.485 | 18.538 | HH | 98671  | 3040049 | 16.60% | 0.649% |
| 298        | 18.566 | 18.538 | 18.611 | HH | 99149  | 4191504 | 22.89% | 0.895% |
| 299        | 18.666 | 18.611 | 18.718 | HH | 100897 | 6273350 | 34.26% | 1.339% |

Instrument :  
FID\_G  
ClientSampleId :  
ZER-SB-01-03-04-0-11MSD

Manual Integrations  
APPROVED

mohammad  
7/3/2018 4:28:06 PM

Instrument :  
FID\_G  
ClientSampleId :  
ZER-SB-01-03-04-0-11MSD

Manual Integrations  
APPROVED

mohammad  
7/3/2018 4:28:06 PM

| rteres.txt |        |        |        |    |        |          |         |        |
|------------|--------|--------|--------|----|--------|----------|---------|--------|
| 300        | 18.745 | 18.718 | 18.759 | HH | 103343 | 2448488  | 13.37%  | 0.523% |
| 301        | 18.776 | 18.759 | 18.807 | HH | 105185 | 3008922  | 16.43%  | 0.642% |
| 302        | 18.828 | 18.807 | 18.871 | HH | 108733 | 3999755  | 21.85%  | 0.854% |
| 303        | 18.916 | 18.871 | 18.940 | HH | 113524 | 4371632  | 23.88%  | 0.933% |
| 304        | 18.949 | 18.940 | 18.968 | HH | 107149 | 1822566  | 9.95%   | 0.389% |
| 305        | 18.982 | 18.968 | 19.001 | HH | 104929 | 2063110  | 11.27%  | 0.440% |
| 306        | 19.042 | 19.001 | 19.055 | HH | 110123 | 3460911  | 18.90%  | 0.739% |
| 307        | 19.079 | 19.055 | 19.095 | HH | 109389 | 2601837  | 14.21%  | 0.555% |
| 308        | 19.108 | 19.095 | 19.148 | HH | 110395 | 3506509  | 19.15%  | 0.749% |
| 309        | 19.216 | 19.148 | 19.288 | HH | 149159 | 9970164  | 54.45%  | 2.128% |
| 310        | 19.329 | 19.288 | 19.362 | HH | 119321 | 5042790  | 27.54%  | 1.076% |
| 311        | 19.393 | 19.362 | 19.422 | HH | 137706 | 4555461  | 24.88%  | 0.972% |
| 312        | 19.461 | 19.422 | 19.492 | HH | 145221 | 5480780  | 29.93%  | 1.170% |
| 313        | 19.549 | 19.492 | 19.572 | HH | 139080 | 6347788  | 34.67%  | 1.355% |
| 314        | 19.590 | 19.572 | 19.660 | HH | 135122 | 6809929  | 37.19%  | 1.454% |
| 315        | 19.684 | 19.660 | 19.703 | HH | 134536 | 3414743  | 18.65%  | 0.729% |
| 316        | 19.774 | 19.703 | 19.807 | HH | 160483 | 8715048  | 47.60%  | 1.860% |
| 317        | 19.845 | 19.807 | 19.861 | HH | 145774 | 4491187  | 24.53%  | 0.959% |
| 318        | 19.871 | 19.861 | 19.892 | HH | 142280 | 2561123  | 13.99%  | 0.547% |
| 319        | 19.913 | 19.892 | 19.935 | HH | 143136 | 3660867  | 19.99%  | 0.781% |
| 320        | 19.959 | 19.935 | 20.005 | HH | 167405 | 6315420  | 34.49%  | 1.348% |
| 321        | 20.019 | 20.005 | 20.035 | HH | 144692 | 2579611  | 14.09%  | 0.551% |
| 322        | 20.053 | 20.035 | 20.088 | HH | 144737 | 4594095  | 25.09%  | 0.981% |
| 323        | 20.112 | 20.088 | 20.135 | HH | 145923 | 4057775  | 22.16%  | 0.866% |
| 324        | 20.148 | 20.135 | 20.171 | HH | 146586 | 3130937  | 17.10%  | 0.668% |
| 325        | 20.316 | 20.171 | 20.372 | HH | 158715 | 18309003 | 100.00% | 3.908% |
| 326        | 20.419 | 20.372 | 20.482 | HH | 163237 | 10403207 | 56.82%  | 2.221% |
| 327        | 20.492 | 20.482 | 20.502 | HH | 154692 | 1864456  | 10.18%  | 0.398% |
| 328        | 20.511 | 20.502 | 20.532 | HH | 154557 | 2684673  | 14.66%  | 0.573% |
| 329        | 20.572 | 20.532 | 20.593 | HH | 153640 | 5634633  | 30.78%  | 1.203% |
| 330        | 20.679 | 20.593 | 20.741 | HH | 175128 | 13815736 | 75.46%  | 2.949% |
| 331        | 20.776 | 20.741 | 20.832 | HH | 152612 | 8248970  | 45.05%  | 1.761% |
| 332        | 20.859 | 20.832 | 20.914 | HH | 151770 | 7394395  | 40.39%  | 1.579% |
| 333        | 20.923 | 20.914 | 20.929 | HH | 151131 | 1326242  | 7.24%   | 0.283% |
| 334        | 20.943 | 20.929 | 20.953 | HH | 153196 | 2239757  | 12.23%  | 0.478% |
| 335        | 20.959 | 20.953 | 20.997 | HH | 151700 | 3986962  | 21.78%  | 0.851% |
| 336        | 21.051 | 20.997 | 21.084 | HH | 154324 | 7902613  | 43.16%  | 1.687% |
| 337        | 21.096 | 21.084 | 21.181 | HH | 152574 | 8549732  | 46.70%  | 1.825% |
| 338        | 21.216 | 21.181 | 21.231 | HH | 148426 | 4397831  | 24.02%  | 0.939% |
| 339        | 21.243 | 21.231 | 21.252 | HH | 147567 | 1813373  | 9.90%   | 0.387% |
| 340        | 21.262 | 21.252 | 21.272 | HH | 147323 | 1760085  | 9.61%   | 0.376% |
| 341        | 21.298 | 21.272 | 21.318 | HH | 147751 | 4060203  | 22.18%  | 0.867% |
| 342        | 21.327 | 21.318 | 21.336 | HH | 144904 | 1599202  | 8.73%   | 0.341% |
| 343        | 21.344 | 21.336 | 21.384 | HH | 144758 | 4051364  | 22.13%  | 0.865% |
| 344        | 21.430 | 21.384 | 21.477 | HH | 149771 | 8044622  | 43.94%  | 1.717% |
| 345        | 21.534 | 21.477 | 21.581 | HH | 155931 | 9219326  | 50.35%  | 1.968% |

Sum of corrected areas: 468443302

FG070218.M Tue Jul 03 08:00:18 2018