

rteres.txt

## Area Percent Report

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

Manual Integrations  
APPROVED

mohammad  
7/3/2018 4:28:03 PM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG070218\  
Data File : FG001558.D  
Signal(s) : FID1A.ch  
Acq On : 02 Jul 2018 19:53  
Sample : J3749-03MS 5X  
Misc :  
ALS Vial : 13 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        | 2.288      | PH       | 31750          | 259488       | 1.58%          | 0.058%        |
| 2         | 2.312       | 2.288        | 2.327      | PH       | 50             | 545          | 0.00%          | 0.000%        |
| 3         | 2.341       | 2.327        | 2.439      | PH       | 2867           | 35595        | 0.22%          | 0.008%        |
| 4         | 2.454       | 2.439        | 2.493      | HH       | 267            | 3199         | 0.02%          | 0.001%        |
| 5         | 2.507       | 2.493        | 2.522      | PH       | 225            | 1786         | 0.01%          | 0.000%        |
| 6         | 2.538       | 2.522        | 2.582      | HH       | 161            | 3781         | 0.02%          | 0.001%        |
| 7         | 2.636       | 2.582        | 2.687      | HH       | 1818           | 20124        | 0.12%          | 0.004%        |
| 8         | 2.726       | 2.687        | 2.779      | HH       | 2590           | 36438        | 0.22%          | 0.008%        |
| 9         | 2.789       | 2.779        | 2.814      | HH       | 220            | 3311         | 0.02%          | 0.001%        |
| 10        | 2.827       | 2.814        | 2.868      | HH       | 287            | 6013         | 0.04%          | 0.001%        |
| 11        | 2.906       | 2.868        | 2.928      | HH       | 1036           | 17602        | 0.11%          | 0.004%        |
| 12        | 2.949       | 2.928        | 2.975      | HH       | 1884           | 22847        | 0.14%          | 0.005%        |
| 13        | 2.988       | 2.975        | 3.001      | HH       | 445            | 5790         | 0.04%          | 0.001%        |
| 14        | 3.014       | 3.001        | 3.065      | HH       | 368            | 10407        | 0.06%          | 0.002%        |
| 15        | 3.090       | 3.065        | 3.142      | HH       | 543            | 13897        | 0.08%          | 0.003%        |
| 16        | 3.156       | 3.142        | 3.172      | HH       | 271            | 4408         | 0.03%          | 0.001%        |
| 17        | 3.201       | 3.172        | 3.262      | HH       | 903            | 17562        | 0.11%          | 0.004%        |
| 18        | 3.271       | 3.262        | 3.280      | HH       | 189            | 2020         | 0.01%          | 0.000%        |
| 19        | 3.297       | 3.280        | 3.315      | HH       | 401            | 5657         | 0.03%          | 0.001%        |
| 20        | 3.318       | 3.315        | 3.362      | HH       | 323            | 6195         | 0.04%          | 0.001%        |
| 21        | 3.373       | 3.362        | 3.382      | HH       | 271            | 2707         | 0.02%          | 0.001%        |
| 22        | 3.404       | 3.382        | 3.433      | HH       | 309            | 7807         | 0.05%          | 0.002%        |
| 23        | 3.465       | 3.433        | 3.478      | HH       | 429            | 8316         | 0.05%          | 0.002%        |
| 24        | 3.492       | 3.478        | 3.552      | HH       | 560            | 17757        | 0.11%          | 0.004%        |
| 25        | 3.574       | 3.552        | 3.592      | HH       | 647            | 10997        | 0.07%          | 0.002%        |
| 26        | 3.608       | 3.592        | 3.678      | HH       | 509            | 22699        | 0.14%          | 0.005%        |
| 27        | 3.692       | 3.678        | 3.728      | HH       | 1069           | 20169        | 0.12%          | 0.004%        |
| 28        | 3.735       | 3.728        | 3.754      | HH       | 466            | 6505         | 0.04%          | 0.001%        |
| 29        | 3.775       | 3.754        | 3.802      | HH       | 1035           | 16796        | 0.10%          | 0.004%        |
| 30        | 3.810       | 3.802        | 3.838      | HH       | 427            | 8291         | 0.05%          | 0.002%        |
| 31        | 3.881       | 3.838        | 3.913      | HH       | 2419           | 53315        | 0.33%          | 0.012%        |
| 32        | 3.923       | 3.913        | 3.944      | HH       | 1111           | 18686        | 0.11%          | 0.004%        |
| 33        | 3.960       | 3.944        | 3.989      | HH       | 1038           | 22099        | 0.13%          | 0.005%        |
| 34        | 4.028       | 3.989        | 4.058      | HH       | 2003           | 46833        | 0.29%          | 0.010%        |
| 35        | 4.068       | 4.058        | 4.112      | HH       | 1024           | 25096        | 0.15%          | 0.006%        |
| 36        | 4.124       | 4.112        | 4.208      | HH       | 678            | 30868        | 0.19%          | 0.007%        |

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|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 37         | 4.219 | 4.208 | 4.240 | HH | 633   | 10318  | 0.06% | 0.002% |
| 38         | 4.268 | 4.240 | 4.295 | HH | 43982 | 422774 | 2.58% | 0.094% |
| 39         | 4.306 | 4.295 | 4.322 | HH | 1044  | 13036  | 0.08% | 0.003% |
| 40         | 4.338 | 4.322 | 4.350 | HH | 728   | 10797  | 0.07% | 0.002% |
| 41         | 4.369 | 4.350 | 4.398 | HH | 1688  | 28622  | 0.17% | 0.006% |
| 42         | 4.415 | 4.398 | 4.440 | HH | 1199  | 19916  | 0.12% | 0.004% |
| 43         | 4.470 | 4.440 | 4.507 | HH | 2556  | 55554  | 0.34% | 0.012% |
| 44         | 4.520 | 4.507 | 4.565 | HH | 962   | 24737  | 0.15% | 0.005% |
| 45         | 4.613 | 4.565 | 4.630 | HH | 640   | 21498  | 0.13% | 0.005% |
| 46         | 4.643 | 4.630 | 4.661 | HH | 727   | 11424  | 0.07% | 0.003% |
| 47         | 4.679 | 4.661 | 4.699 | HH | 635   | 12924  | 0.08% | 0.003% |
| 48         | 4.723 | 4.699 | 4.777 | HH | 606   | 20697  | 0.13% | 0.005% |
| 49         | 4.790 | 4.777 | 4.814 | HH | 409   | 7241   | 0.04% | 0.002% |
| 50         | 4.855 | 4.814 | 4.893 | HH | 591   | 20884  | 0.13% | 0.005% |
| 51         | 4.912 | 4.893 | 4.935 | HH | 578   | 11561  | 0.07% | 0.003% |
| 52         | 4.950 | 4.935 | 4.966 | HH | 655   | 9606   | 0.06% | 0.002% |
| 53         | 4.980 | 4.966 | 4.998 | HH | 672   | 9986   | 0.06% | 0.002% |
| 54         | 5.008 | 4.998 | 5.055 | HH | 643   | 14702  | 0.09% | 0.003% |
| 55         | 5.071 | 5.055 | 5.088 | HH | 418   | 7143   | 0.04% | 0.002% |
| 56         | 5.124 | 5.088 | 5.152 | HH | 685   | 17230  | 0.11% | 0.004% |
| 57         | 5.159 | 5.152 | 5.167 | HH | 453   | 3695   | 0.02% | 0.001% |
| 58         | 5.188 | 5.167 | 5.208 | HH | 512   | 9967   | 0.06% | 0.002% |
| 59         | 5.219 | 5.208 | 5.228 | HH | 262   | 2918   | 0.02% | 0.001% |
| 60         | 5.248 | 5.228 | 5.275 | HH | 477   | 8965   | 0.05% | 0.002% |
| 61         | 5.303 | 5.275 | 5.343 | HH | 1593  | 27516  | 0.17% | 0.006% |
| 62         | 5.370 | 5.343 | 5.397 | HH | 1085  | 18278  | 0.11% | 0.004% |
| 63         | 5.413 | 5.397 | 5.448 | HH | 359   | 8259   | 0.05% | 0.002% |
| 64         | 5.483 | 5.448 | 5.503 | HH | 681   | 12959  | 0.08% | 0.003% |
| 65         | 5.521 | 5.503 | 5.537 | HH | 683   | 9036   | 0.06% | 0.002% |
| 66         | 5.599 | 5.537 | 5.619 | HH | 975   | 33515  | 0.20% | 0.007% |
| 67         | 5.631 | 5.619 | 5.660 | HH | 708   | 12542  | 0.08% | 0.003% |
| 68         | 5.670 | 5.660 | 5.686 | HH | 486   | 6027   | 0.04% | 0.001% |
| 69         | 5.712 | 5.686 | 5.738 | HH | 417   | 10013  | 0.06% | 0.002% |
| 70         | 5.753 | 5.738 | 5.775 | HH | 470   | 8092   | 0.05% | 0.002% |
| 71         | 5.807 | 5.775 | 5.822 | HH | 534   | 11629  | 0.07% | 0.003% |
| 72         | 5.846 | 5.822 | 5.886 | HH | 5855  | 78043  | 0.48% | 0.017% |
| 73         | 5.893 | 5.886 | 5.925 | HH | 829   | 13454  | 0.08% | 0.003% |
| 74         | 5.942 | 5.925 | 5.962 | HH | 647   | 11679  | 0.07% | 0.003% |
| 75         | 5.986 | 5.962 | 5.996 | HH | 688   | 10894  | 0.07% | 0.002% |
| 76         | 6.008 | 5.996 | 6.048 | HH | 742   | 17925  | 0.11% | 0.004% |
| 77         | 6.084 | 6.048 | 6.103 | HH | 620   | 17205  | 0.11% | 0.004% |
| 78         | 6.131 | 6.103 | 6.148 | HH | 1152  | 22173  | 0.14% | 0.005% |
| 79         | 6.234 | 6.148 | 6.258 | HH | 1699  | 80763  | 0.49% | 0.018% |
| 80         | 6.283 | 6.258 | 6.355 | HH | 45126 | 499674 | 3.05% | 0.111% |
| 81         | 6.365 | 6.355 | 6.414 | HH | 761   | 20243  | 0.12% | 0.004% |
| 82         | 6.432 | 6.414 | 6.452 | HH | 945   | 15065  | 0.09% | 0.003% |
| 83         | 6.469 | 6.452 | 6.516 | HH | 597   | 15932  | 0.10% | 0.004% |
| 84         | 6.557 | 6.516 | 6.574 | HH | 552   | 13005  | 0.08% | 0.003% |
| 85         | 6.604 | 6.574 | 6.653 | HH | 712   | 23133  | 0.14% | 0.005% |
| 86         | 6.676 | 6.653 | 6.699 | HH | 832   | 15530  | 0.09% | 0.003% |
| 87         | 6.711 | 6.699 | 6.738 | HH | 452   | 9896   | 0.06% | 0.002% |
| 88         | 6.776 | 6.738 | 6.792 | HH | 824   | 20226  | 0.12% | 0.004% |
| 89         | 6.804 | 6.792 | 6.822 | HH | 1012  | 15220  | 0.09% | 0.003% |

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|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 90         | 6.838 | 6.822 | 6.872 | HH | 1034  | 22401  | 0.14% | 0.005% |
| 91         | 6.900 | 6.872 | 6.926 | HH | 4343  | 63323  | 0.39% | 0.014% |
| 92         | 6.935 | 6.926 | 6.962 | HH | 1000  | 17904  | 0.11% | 0.004% |
| 93         | 6.986 | 6.962 | 7.015 | HH | 1458  | 29174  | 0.18% | 0.006% |
| 94         | 7.033 | 7.015 | 7.065 | HH | 3860  | 51090  | 0.31% | 0.011% |
| 95         | 7.081 | 7.065 | 7.142 | HH | 920   | 29836  | 0.18% | 0.007% |
| 96         | 7.206 | 7.142 | 7.228 | HH | 1935  | 46922  | 0.29% | 0.010% |
| 97         | 7.261 | 7.228 | 7.314 | HH | 764   | 33932  | 0.21% | 0.008% |
| 98         | 7.334 | 7.314 | 7.353 | HH | 743   | 15123  | 0.09% | 0.003% |
| 99         | 7.378 | 7.353 | 7.408 | HH | 1120  | 26249  | 0.16% | 0.006% |
| 100        | 7.429 | 7.408 | 7.447 | HH | 739   | 15193  | 0.09% | 0.003% |
| 101        | 7.486 | 7.447 | 7.508 | HH | 1067  | 26978  | 0.16% | 0.006% |
| 102        | 7.539 | 7.508 | 7.558 | HH | 849   | 21146  | 0.13% | 0.005% |
| 103        | 7.572 | 7.558 | 7.602 | HH | 787   | 17717  | 0.11% | 0.004% |
| 104        | 7.627 | 7.602 | 7.645 | HH | 2298  | 37301  | 0.23% | 0.008% |
| 105        | 7.654 | 7.645 | 7.707 | HH | 1410  | 40696  | 0.25% | 0.009% |
| 106        | 7.725 | 7.707 | 7.742 | HH | 1114  | 20315  | 0.12% | 0.005% |
| 107        | 7.779 | 7.742 | 7.858 | HH | 2673  | 117537 | 0.72% | 0.026% |
| 108        | 7.893 | 7.858 | 7.932 | HH | 4141  | 109127 | 0.67% | 0.024% |
| 109        | 7.993 | 7.932 | 8.009 | HH | 7343  | 133631 | 0.82% | 0.030% |
| 110        | 8.022 | 8.009 | 8.038 | HH | 5013  | 64318  | 0.39% | 0.014% |
| 111        | 8.076 | 8.038 | 8.107 | HH | 45269 | 555429 | 3.39% | 0.123% |
| 112        | 8.132 | 8.107 | 8.156 | HH | 20806 | 264635 | 1.62% | 0.059% |
| 113        | 8.176 | 8.156 | 8.211 | HH | 14413 | 222553 | 1.36% | 0.049% |
| 114        | 8.228 | 8.211 | 8.247 | HH | 3111  | 54721  | 0.33% | 0.012% |
| 115        | 8.266 | 8.247 | 8.285 | HH | 3088  | 52212  | 0.32% | 0.012% |
| 116        | 8.303 | 8.285 | 8.382 | HH | 2075  | 94676  | 0.58% | 0.021% |
| 117        | 8.431 | 8.382 | 8.442 | HH | 2131  | 58802  | 0.36% | 0.013% |
| 118        | 8.471 | 8.442 | 8.503 | HH | 12385 | 182945 | 1.12% | 0.041% |
| 119        | 8.522 | 8.503 | 8.557 | HH | 4155  | 89784  | 0.55% | 0.020% |
| 120        | 8.589 | 8.557 | 8.599 | HH | 3082  | 63551  | 0.39% | 0.014% |
| 121        | 8.612 | 8.599 | 8.648 | HH | 3614  | 73740  | 0.45% | 0.016% |
| 122        | 8.662 | 8.648 | 8.676 | HH | 2425  | 36230  | 0.22% | 0.008% |
| 123        | 8.712 | 8.676 | 8.728 | HH | 5288  | 102080 | 0.62% | 0.023% |
| 124        | 8.746 | 8.728 | 8.770 | HH | 6561  | 106523 | 0.65% | 0.024% |
| 125        | 8.798 | 8.770 | 8.825 | HH | 3785  | 104531 | 0.64% | 0.023% |
| 126        | 8.836 | 8.825 | 8.861 | HH | 3049  | 57011  | 0.35% | 0.013% |
| 127        | 8.895 | 8.861 | 8.911 | HH | 5987  | 128816 | 0.79% | 0.029% |
| 128        | 8.922 | 8.911 | 8.964 | HH | 5475  | 104709 | 0.64% | 0.023% |
| 129        | 8.982 | 8.964 | 9.007 | HH | 2576  | 56337  | 0.34% | 0.012% |
| 130        | 9.038 | 9.007 | 9.055 | HH | 5065  | 90127  | 0.55% | 0.020% |
| 131        | 9.070 | 9.055 | 9.103 | HH | 4351  | 85590  | 0.52% | 0.019% |
| 132        | 9.121 | 9.103 | 9.138 | HH | 3346  | 56988  | 0.35% | 0.013% |
| 133        | 9.174 | 9.138 | 9.196 | HH | 5115  | 117101 | 0.72% | 0.026% |
| 134        | 9.255 | 9.196 | 9.309 | HH | 17354 | 388810 | 2.37% | 0.086% |
| 135        | 9.334 | 9.309 | 9.352 | HH | 5942  | 107154 | 0.65% | 0.024% |
| 136        | 9.376 | 9.352 | 9.384 | HH | 4518  | 80906  | 0.49% | 0.018% |
| 137        | 9.404 | 9.384 | 9.424 | HH | 8338  | 140137 | 0.86% | 0.031% |
| 138        | 9.436 | 9.424 | 9.447 | HH | 4533  | 55323  | 0.34% | 0.012% |
| 139        | 9.464 | 9.447 | 9.488 | HH | 6236  | 112909 | 0.69% | 0.025% |
| 140        | 9.513 | 9.488 | 9.550 | HH | 4046  | 120332 | 0.73% | 0.027% |
| 141        | 9.578 | 9.550 | 9.618 | HH | 6260  | 171146 | 1.05% | 0.038% |

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|------------|--------|--------|--------|----|--------|---------|-------|--------|
| 142        | 9.631  | 9.618  | 9.645  | HH | 4002   | 58782   | 0.36% | 0.013% |
| 143        | 9.675  | 9.645  | 9.723  | HH | 52178  | 709204  | 4.33% | 0.157% |
| 144        | 9.738  | 9.723  | 9.755  | HH | 3852   | 69824   | 0.43% | 0.015% |
| 145        | 9.773  | 9.755  | 9.806  | HH | 3884   | 100081  | 0.61% | 0.022% |
| 146        | 9.843  | 9.806  | 9.892  | HH | 3975   | 159946  | 0.98% | 0.035% |
| 147        | 9.946  | 9.892  | 9.962  | HH | 3296   | 121270  | 0.74% | 0.027% |
| 148        | 10.001 | 9.962  | 10.036 | HH | 4481   | 165072  | 1.01% | 0.037% |
| 149        | 10.063 | 10.036 | 10.085 | HH | 5695   | 134598  | 0.82% | 0.030% |
| 150        | 10.136 | 10.085 | 10.159 | HH | 10464  | 288420  | 1.76% | 0.064% |
| 151        | 10.176 | 10.159 | 10.224 | HH | 7842   | 208422  | 1.27% | 0.046% |
| 152        | 10.254 | 10.224 | 10.289 | HH | 9168   | 243236  | 1.49% | 0.054% |
| 153        | 10.312 | 10.289 | 10.360 | HH | 8098   | 259748  | 1.59% | 0.058% |
| 154        | 10.417 | 10.360 | 10.437 | HH | 11883  | 333914  | 2.04% | 0.074% |
| 155        | 10.458 | 10.437 | 10.510 | HH | 13250  | 383050  | 2.34% | 0.085% |
| 156        | 10.554 | 10.510 | 10.573 | HH | 7085   | 228077  | 1.39% | 0.051% |
| 157        | 10.589 | 10.573 | 10.605 | HH | 5183   | 94293   | 0.58% | 0.021% |
| 158        | 10.654 | 10.605 | 10.681 | HH | 130360 | 1623097 | 9.91% | 0.360% |
| 159        | 10.692 | 10.681 | 10.707 | HH | 11758  | 155058  | 0.95% | 0.034% |
| 160        | 10.729 | 10.707 | 10.797 | HH | 45754  | 793271  | 4.84% | 0.176% |
| 161        | 10.807 | 10.797 | 10.821 | HH | 6324   | 90304   | 0.55% | 0.020% |
| 162        | 10.831 | 10.821 | 10.855 | HH | 6147   | 117185  | 0.72% | 0.026% |
| 163        | 10.870 | 10.855 | 10.892 | HH | 5802   | 120611  | 0.74% | 0.027% |
| 164        | 10.915 | 10.892 | 10.930 | HH | 5878   | 126977  | 0.78% | 0.028% |
| 165        | 10.955 | 10.930 | 10.989 | HH | 10783  | 272313  | 1.66% | 0.060% |
| 166        | 11.013 | 10.989 | 11.033 | HH | 6941   | 171416  | 1.05% | 0.038% |
| 167        | 11.053 | 11.033 | 11.075 | HH | 7874   | 181851  | 1.11% | 0.040% |
| 168        | 11.117 | 11.075 | 11.159 | HH | 48395  | 847299  | 5.17% | 0.188% |
| 169        | 11.191 | 11.159 | 11.230 | HH | 13567  | 430792  | 2.63% | 0.096% |
| 170        | 11.256 | 11.230 | 11.281 | HH | 8967   | 236853  | 1.45% | 0.053% |
| 171        | 11.309 | 11.281 | 11.333 | HH | 11801  | 266417  | 1.63% | 0.059% |
| 172        | 11.351 | 11.333 | 11.362 | HH | 7951   | 132423  | 0.81% | 0.029% |
| 173        | 11.380 | 11.362 | 11.401 | HH | 9679   | 194397  | 1.19% | 0.043% |
| 174        | 11.413 | 11.401 | 11.428 | HH | 7969   | 124261  | 0.76% | 0.028% |
| 175        | 11.458 | 11.428 | 11.472 | HH | 29409  | 448681  | 2.74% | 0.099% |
| 176        | 11.488 | 11.472 | 11.529 | HH | 35547  | 578144  | 3.53% | 0.128% |
| 177        | 11.570 | 11.529 | 11.589 | HH | 35144  | 702754  | 4.29% | 0.156% |
| 178        | 11.606 | 11.589 | 11.619 | HH | 23856  | 328965  | 2.01% | 0.073% |
| 179        | 11.636 | 11.619 | 11.694 | HH | 29979  | 633869  | 3.87% | 0.141% |
| 180        | 11.722 | 11.694 | 11.742 | HH | 9254   | 243204  | 1.49% | 0.054% |
| 181        | 11.787 | 11.742 | 11.807 | HH | 12426  | 393399  | 2.40% | 0.087% |
| 182        | 11.838 | 11.807 | 11.863 | HH | 45260  | 767796  | 4.69% | 0.170% |
| 183        | 11.880 | 11.863 | 11.907 | HH | 16454  | 337021  | 2.06% | 0.075% |
| 184        | 11.930 | 11.907 | 11.973 | HH | 21515  | 525514  | 3.21% | 0.117% |
| 185        | 11.992 | 11.973 | 12.012 | HH | 12208  | 254409  | 1.55% | 0.056% |
| 186        | 12.039 | 12.012 | 12.065 | HH | 36980  | 630182  | 3.85% | 0.140% |
| 187        | 12.074 | 12.065 | 12.094 | HH | 12747  | 206782  | 1.26% | 0.046% |
| 188        | 12.109 | 12.094 | 12.122 | HH | 11419  | 182993  | 1.12% | 0.041% |
| 189        | 12.136 | 12.122 | 12.150 | HH | 12063  | 200289  | 1.22% | 0.044% |
| 190        | 12.179 | 12.150 | 12.191 | HH | 13516  | 298448  | 1.82% | 0.066% |
| 191        | 12.202 | 12.191 | 12.225 | HH | 13708  | 249649  | 1.52% | 0.055% |
| 192        | 12.249 | 12.225 | 12.289 | HH | 17965  | 526847  | 3.22% | 0.117% |
| 193        | 12.315 | 12.289 | 12.337 | HH | 16014  | 399119  | 2.44% | 0.088% |
| 194        | 12.358 | 12.337 | 12.378 | HH | 31655  | 542990  | 3.32% | 0.120% |

Instrument :  
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ClientSampleId :  
ZER-SB-01-03-04-0-11MS

Manual Integrations  
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|------------|--------|--------|--------|----|--------|---------|---------------|
| rteres.txt |        |        |        |    |        |         |               |
| 195        | 12.395 | 12.378 | 12.404 | HH | 19641  | 276556  | 1.69% 0.061%  |
| 196        | 12.426 | 12.404 | 12.448 | HH | 57492  | 904483  | 5.52% 0.201%  |
| 197        | 12.474 | 12.448 | 12.523 | HH | 223688 | 2900275 | 17.71% 0.643% |
| 198        | 12.539 | 12.523 | 12.558 | HH | 12574  | 251599  | 1.54% 0.056%  |
| 199        | 12.573 | 12.558 | 12.588 | HH | 13116  | 218482  | 1.33% 0.048%  |
| 200        | 12.609 | 12.588 | 12.623 | HH | 17407  | 320910  | 1.96% 0.071%  |
| 201        | 12.659 | 12.623 | 12.677 | HH | 20991  | 545036  | 3.33% 0.121%  |
| 202        | 12.692 | 12.677 | 12.741 | HH | 17313  | 594735  | 3.63% 0.132%  |
| 203        | 12.771 | 12.741 | 12.798 | HH | 206861 | 2560036 | 15.63% 0.568% |
| 204        | 12.856 | 12.798 | 12.889 | HH | 125201 | 2602139 | 15.89% 0.577% |
| 205        | 12.914 | 12.889 | 12.936 | HH | 165643 | 2283723 | 13.95% 0.506% |
| 206        | 12.948 | 12.936 | 13.003 | HH | 33423  | 873458  | 5.33% 0.194%  |
| 207        | 13.043 | 13.003 | 13.071 | HH | 26978  | 794677  | 4.85% 0.176%  |
| 208        | 13.095 | 13.071 | 13.145 | HH | 31634  | 957308  | 5.85% 0.212%  |
| 209        | 13.171 | 13.145 | 13.188 | HH | 21885  | 465054  | 2.84% 0.103%  |
| 210        | 13.197 | 13.188 | 13.210 | HH | 19101  | 244147  | 1.49% 0.054%  |
| 211        | 13.233 | 13.210 | 13.257 | HH | 30226  | 652950  | 3.99% 0.145%  |
| 212        | 13.270 | 13.257 | 13.302 | HH | 19191  | 472266  | 2.88% 0.105%  |
| 213        | 13.363 | 13.302 | 13.405 | HH | 56529  | 1683340 | 10.28% 0.373% |
| 214        | 13.431 | 13.405 | 13.445 | HH | 19634  | 443240  | 2.71% 0.098%  |
| 215        | 13.471 | 13.445 | 13.492 | HH | 46620  | 848866  | 5.18% 0.188%  |
| 216        | 13.509 | 13.492 | 13.532 | HH | 36629  | 660196  | 4.03% 0.146%  |
| 217        | 13.548 | 13.532 | 13.577 | HH | 22857  | 570012  | 3.48% 0.126%  |
| 218        | 13.627 | 13.577 | 13.660 | HH | 66854  | 1783251 | 10.89% 0.395% |
| 219        | 13.680 | 13.660 | 13.725 | HH | 34744  | 962531  | 5.88% 0.213%  |
| 220        | 13.758 | 13.725 | 13.779 | HH | 21566  | 661148  | 4.04% 0.147%  |
| 221        | 13.844 | 13.779 | 13.876 | HH | 21444  | 1194290 | 7.29% 0.265%  |
| 222        | 13.897 | 13.876 | 13.910 | HH | 20900  | 422001  | 2.58% 0.094%  |
| 223        | 13.947 | 13.910 | 13.968 | HH | 22167  | 740924  | 4.53% 0.164%  |
| 224        | 13.979 | 13.968 | 13.988 | HH | 21369  | 253469  | 1.55% 0.056%  |
| 225        | 14.070 | 13.988 | 14.085 | HH | 31589  | 1472429 | 8.99% 0.326%  |
| 226        | 14.101 | 14.085 | 14.140 | HH | 33819  | 931672  | 5.69% 0.207%  |
| 227        | 14.194 | 14.140 | 14.222 | HH | 32295  | 1368741 | 8.36% 0.304%  |
| 228        | 14.244 | 14.222 | 14.257 | HH | 32225  | 609067  | 3.72% 0.135%  |
| 229        | 14.277 | 14.257 | 14.317 | HH | 41517  | 1181170 | 7.21% 0.262%  |
| 230        | 14.340 | 14.317 | 14.366 | HH | 54753  | 1130027 | 6.90% 0.251%  |
| 231        | 14.407 | 14.366 | 14.443 | HH | 36597  | 1406514 | 8.59% 0.312%  |
| 232        | 14.465 | 14.443 | 14.482 | HH | 28729  | 629143  | 3.84% 0.140%  |
| 233        | 14.527 | 14.482 | 14.578 | HH | 63968  | 2052230 | 12.53% 0.455% |
| 234        | 14.607 | 14.578 | 14.624 | HH | 33553  | 808773  | 4.94% 0.179%  |
| 235        | 14.654 | 14.624 | 14.674 | HH | 127119 | 2109168 | 12.88% 0.468% |
| 236        | 14.694 | 14.674 | 14.715 | HH | 128619 | 1928323 | 11.78% 0.428% |
| 237        | 14.731 | 14.715 | 14.765 | HH | 66214  | 1349473 | 8.24% 0.299%  |
| 238        | 14.816 | 14.765 | 14.872 | HH | 55801  | 2285089 | 13.96% 0.507% |
| 239        | 14.901 | 14.872 | 14.934 | HH | 35267  | 1186658 | 7.25% 0.263%  |
| 240        | 14.964 | 14.934 | 14.982 | HH | 40088  | 975903  | 5.96% 0.216%  |
| 241        | 14.996 | 14.982 | 15.071 | HH | 35409  | 1755006 | 10.72% 0.389% |
| 242        | 15.110 | 15.071 | 15.179 | HH | 42169  | 2232820 | 13.64% 0.495% |
| 243        | 15.252 | 15.179 | 15.299 | HH | 37603  | 2473501 | 15.11% 0.548% |
| 244        | 15.328 | 15.299 | 15.349 | HH | 59780  | 1352410 | 8.26% 0.300%  |
| 245        | 15.366 | 15.349 | 15.392 | HH | 45817  | 1014400 | 6.20% 0.225%  |
| 246        | 15.411 | 15.392 | 15.445 | HH | 39640  | 1175093 | 7.18% 0.261%  |

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Manual Integrations  
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| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 247        | 15.491 | 15.445 | 15.532 | HH | 51685  | 2215118 | 13.53% | 0.491% |
| 248        | 15.565 | 15.532 | 15.591 | HH | 40666  | 1353378 | 8.27%  | 0.300% |
| 249        | 15.607 | 15.591 | 15.631 | HH | 36662  | 857509  | 5.24%  | 0.190% |
| 250        | 15.653 | 15.631 | 15.676 | HH | 40633  | 1009306 | 6.16%  | 0.224% |
| 251        | 15.702 | 15.676 | 15.714 | HH | 39873  | 848830  | 5.18%  | 0.188% |
| 252        | 15.754 | 15.714 | 15.788 | HH | 75616  | 2213053 | 13.52% | 0.491% |
| 253        | 15.830 | 15.788 | 15.846 | HH | 38800  | 1304340 | 7.97%  | 0.289% |
| 254        | 15.864 | 15.846 | 15.882 | HH | 38497  | 816683  | 4.99%  | 0.181% |
| 255        | 15.934 | 15.882 | 15.982 | HH | 44451  | 2474093 | 15.11% | 0.549% |
| 256        | 16.005 | 15.982 | 16.019 | HH | 45991  | 985325  | 6.02%  | 0.218% |
| 257        | 16.034 | 16.019 | 16.067 | HH | 45572  | 1282543 | 7.83%  | 0.284% |
| 258        | 16.083 | 16.067 | 16.090 | HH | 44929  | 616009  | 3.76%  | 0.137% |
| 259        | 16.129 | 16.090 | 16.170 | HH | 53592  | 2294259 | 14.01% | 0.509% |
| 260        | 16.217 | 16.170 | 16.285 | HH | 154932 | 5275365 | 32.22% | 1.170% |
| 261        | 16.347 | 16.285 | 16.372 | HH | 72911  | 2829292 | 17.28% | 0.627% |
| 262        | 16.384 | 16.372 | 16.425 | HH | 52580  | 1642006 | 10.03% | 0.364% |
| 263        | 16.439 | 16.425 | 16.451 | HH | 51064  | 798096  | 4.87%  | 0.177% |
| 264        | 16.466 | 16.451 | 16.479 | HH | 53300  | 886042  | 5.41%  | 0.196% |
| 265        | 16.537 | 16.479 | 16.566 | HH | 126446 | 3784034 | 23.11% | 0.839% |
| 266        | 16.596 | 16.566 | 16.644 | HH | 144604 | 3649955 | 22.29% | 0.809% |
| 267        | 16.702 | 16.644 | 16.728 | HH | 110098 | 3560818 | 21.75% | 0.790% |
| 268        | 16.750 | 16.728 | 16.787 | HH | 92213  | 2459634 | 15.02% | 0.545% |
| 269        | 16.844 | 16.787 | 16.880 | HH | 62958  | 3330789 | 20.34% | 0.739% |
| 270        | 16.902 | 16.880 | 16.918 | HH | 60838  | 1376012 | 8.40%  | 0.305% |
| 271        | 16.962 | 16.918 | 16.995 | HH | 72124  | 3072802 | 18.77% | 0.681% |
| 272        | 17.004 | 16.995 | 17.042 | HH | 67889  | 1784784 | 10.90% | 0.396% |
| 273        | 17.100 | 17.042 | 17.113 | HH | 71014  | 2821285 | 17.23% | 0.626% |
| 274        | 17.121 | 17.113 | 17.138 | HH | 68825  | 1017707 | 6.22%  | 0.226% |
| 275        | 17.158 | 17.138 | 17.172 | HH | 67880  | 1318221 | 8.05%  | 0.292% |
| 276        | 17.183 | 17.172 | 17.200 | HH | 68971  | 1151530 | 7.03%  | 0.255% |
| 277        | 17.211 | 17.200 | 17.232 | HH | 66565  | 1220334 | 7.45%  | 0.271% |
| 278        | 17.256 | 17.232 | 17.292 | HH | 74407  | 2454955 | 14.99% | 0.544% |
| 279        | 17.300 | 17.292 | 17.306 | HH | 65798  | 552299  | 3.37%  | 0.122% |
| 280        | 17.311 | 17.306 | 17.342 | HH | 66053  | 1394315 | 8.52%  | 0.309% |
| 281        | 17.373 | 17.342 | 17.392 | HH | 66010  | 1949148 | 11.90% | 0.432% |
| 282        | 17.410 | 17.392 | 17.425 | HH | 65309  | 1287090 | 7.86%  | 0.285% |
| 283        | 17.442 | 17.425 | 17.455 | HH | 66469  | 1185242 | 7.24%  | 0.263% |
| 284        | 17.483 | 17.455 | 17.502 | HH | 68758  | 1886451 | 11.52% | 0.418% |
| 285        | 17.593 | 17.502 | 17.640 | HH | 110147 | 6467166 | 39.50% | 1.434% |
| 286        | 17.692 | 17.640 | 17.700 | HH | 78225  | 2686513 | 16.41% | 0.596% |
| 287        | 17.724 | 17.700 | 17.742 | HH | 85198  | 2056410 | 12.56% | 0.456% |
| 288        | 17.749 | 17.742 | 17.805 | HH | 84691  | 3065894 | 18.72% | 0.680% |
| 289        | 17.829 | 17.805 | 17.850 | HH | 77798  | 2069321 | 12.64% | 0.459% |
| 290        | 17.879 | 17.850 | 17.922 | HH | 94853  | 3596460 | 21.96% | 0.797% |
| 291        | 17.972 | 17.922 | 17.998 | HH | 135933 | 4533554 | 27.69% | 1.005% |
| 292        | 18.016 | 17.998 | 18.041 | HH | 92994  | 2244590 | 13.71% | 0.498% |
| 293        | 18.057 | 18.041 | 18.073 | HH | 83779  | 1549188 | 9.46%  | 0.344% |
| 294        | 18.102 | 18.073 | 18.121 | HH | 100688 | 2660234 | 16.25% | 0.590% |
| 295        | 18.135 | 18.121 | 18.198 | HH | 92706  | 3971231 | 24.25% | 0.881% |
| 296        | 18.226 | 18.198 | 18.260 | HH | 140441 | 3753305 | 22.92% | 0.832% |
| 297        | 18.314 | 18.260 | 18.332 | HH | 90900  | 3759799 | 22.96% | 0.834% |
| 298        | 18.360 | 18.332 | 18.395 | HH | 106445 | 3590821 | 21.93% | 0.796% |
| 299        | 18.426 | 18.395 | 18.480 | HH | 122493 | 5015221 | 30.63% | 1.112% |

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Manual Integrations  
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7/3/2018 4:28:03 PM

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|------------|--------|--------|--------|----|--------|----------|---------|--------|
| rteres.txt |        |        |        |    |        |          |         |        |
| 300        | 18.522 | 18.480 | 18.548 | HH | 95946  | 3765791  | 23.00%  | 0.835% |
| 301        | 18.566 | 18.548 | 18.608 | HH | 96961  | 3342868  | 20.42%  | 0.741% |
| 302        | 18.625 | 18.608 | 18.634 | HH | 92590  | 1465006  | 8.95%   | 0.325% |
| 303        | 18.665 | 18.634 | 18.690 | HH | 97310  | 3172340  | 19.37%  | 0.703% |
| 304        | 18.703 | 18.690 | 18.722 | HH | 95761  | 1829006  | 11.17%  | 0.406% |
| 305        | 18.744 | 18.722 | 18.760 | HH | 99965  | 2231106  | 13.63%  | 0.495% |
| 306        | 18.798 | 18.760 | 18.812 | HH | 102285 | 3130005  | 19.12%  | 0.694% |
| 307        | 18.826 | 18.812 | 18.878 | HH | 105673 | 4070846  | 24.86%  | 0.903% |
| 308        | 18.918 | 18.878 | 18.968 | HH | 109903 | 5646809  | 34.49%  | 1.252% |
| 309        | 18.987 | 18.968 | 18.999 | HH | 102771 | 1863703  | 11.38%  | 0.413% |
| 310        | 19.013 | 18.999 | 19.021 | HH | 103990 | 1332957  | 8.14%   | 0.296% |
| 311        | 19.037 | 19.021 | 19.057 | HH | 106471 | 2291627  | 14.00%  | 0.508% |
| 312        | 19.100 | 19.057 | 19.127 | HH | 106936 | 4450719  | 27.18%  | 0.987% |
| 313        | 19.215 | 19.127 | 19.280 | HH | 141590 | 10446925 | 63.80%  | 2.316% |
| 314        | 19.323 | 19.280 | 19.354 | HH | 117074 | 5037041  | 30.76%  | 1.117% |
| 315        | 19.393 | 19.354 | 19.425 | HH | 133629 | 5145401  | 31.42%  | 1.141% |
| 316        | 19.459 | 19.425 | 19.492 | HH | 139538 | 5080994  | 31.03%  | 1.127% |
| 317        | 19.549 | 19.492 | 19.571 | HH | 134662 | 6071149  | 37.08%  | 1.346% |
| 318        | 19.585 | 19.571 | 19.645 | HH | 129216 | 5639218  | 34.44%  | 1.250% |
| 319        | 19.679 | 19.645 | 19.710 | HH | 133740 | 5013869  | 30.62%  | 1.112% |
| 320        | 19.771 | 19.710 | 19.807 | HH | 155168 | 7948542  | 48.54%  | 1.762% |
| 321        | 19.843 | 19.807 | 19.859 | HH | 142046 | 4266281  | 26.06%  | 0.946% |
| 322        | 19.869 | 19.859 | 19.891 | HH | 138661 | 2611622  | 15.95%  | 0.579% |
| 323        | 19.922 | 19.891 | 19.933 | HH | 140591 | 3452871  | 21.09%  | 0.766% |
| 324        | 19.958 | 19.933 | 19.985 | HH | 165733 | 4722685  | 28.84%  | 1.047% |
| 325        | 19.998 | 19.985 | 20.037 | HH | 141703 | 4452811  | 27.19%  | 0.987% |
| 326        | 20.050 | 20.037 | 20.069 | HH | 143179 | 2676020  | 16.34%  | 0.593% |
| 327        | 20.087 | 20.069 | 20.103 | HH | 143763 | 2928883  | 17.89%  | 0.649% |
| 328        | 20.147 | 20.103 | 20.181 | HH | 145184 | 6694268  | 40.88%  | 1.484% |
| 329        | 20.320 | 20.181 | 20.365 | HH | 156032 | 16373836 | 100.00% | 3.631% |
| 330        | 20.372 | 20.365 | 20.381 | HH | 150924 | 1436403  | 8.77%   | 0.319% |
| 331        | 20.430 | 20.381 | 20.455 | HH | 157524 | 6857348  | 41.88%  | 1.521% |
| 332        | 20.476 | 20.455 | 20.507 | HH | 154251 | 4815683  | 29.41%  | 1.068% |
| 333        | 20.519 | 20.507 | 20.532 | HH | 153095 | 2212410  | 13.51%  | 0.491% |
| 334        | 20.552 | 20.532 | 20.565 | HH | 151851 | 3009395  | 18.38%  | 0.667% |
| 335        | 20.588 | 20.565 | 20.630 | HH | 151778 | 5836575  | 35.65%  | 1.294% |
| 336        | 20.639 | 20.630 | 20.644 | HH | 149504 | 1291597  | 7.89%   | 0.286% |
| 337        | 20.677 | 20.644 | 20.735 | HH | 169003 | 8383379  | 51.20%  | 1.859% |
| 338        | 20.760 | 20.735 | 20.767 | HH | 148670 | 2856390  | 17.44%  | 0.633% |
| 339        | 20.793 | 20.767 | 20.804 | HH | 151390 | 3263989  | 19.93%  | 0.724% |
| 340        | 20.815 | 20.804 | 20.837 | HH | 152653 | 2990608  | 18.26%  | 0.663% |
| 341        | 20.853 | 20.837 | 20.895 | HH | 152638 | 5246086  | 32.04%  | 1.163% |
| 342        | 20.903 | 20.895 | 20.940 | HH | 150289 | 4029548  | 24.61%  | 0.894% |
| 343        | 20.957 | 20.940 | 20.969 | HH | 150515 | 2591267  | 15.83%  | 0.575% |
| 344        | 20.977 | 20.969 | 21.005 | HH | 149149 | 3164411  | 19.33%  | 0.702% |
| 345        | 21.012 | 21.005 | 21.019 | HH | 147284 | 1222244  | 7.46%   | 0.271% |
| 346        | 21.040 | 21.019 | 21.160 | HH | 149521 | 12371814 | 75.56%  | 2.743% |
| 347        | 21.170 | 21.160 | 21.186 | HH | 140878 | 2205641  | 13.47%  | 0.489% |
| 348        | 21.244 | 21.186 | 21.321 | HH | 144022 | 11527758 | 70.40%  | 2.556% |
| 349        | 21.347 | 21.321 | 21.395 | HH | 145387 | 6286829  | 38.40%  | 1.394% |
| 350        | 21.423 | 21.395 | 21.464 | HH | 146606 | 5969244  | 36.46%  | 1.324% |
| 351        | 21.531 | 21.464 | 21.573 | HH | 150271 | 9312067  | 56.87%  | 2.065% |

Instrument :  
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Manual Integrations  
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Sum of corrected areas: 450981911

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