

Instrument :  
FID\_E  
ClientSampleId :  
SB-4H-(14.5-16.5)

rteres

Area Percent Report

Manual Integrations  
APPROVED

Ankita  
1/9/2020 4:51:42 PM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE010920\  
Data File : FE031084.D  
Signal(s) : FID1B.CH  
Acq On : 09 Jan 2020 11:49  
Sample : L1051-04 2X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\FE010420.M  
Title :

Signal : FID1B.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         | 2.342       | 2.285        | 2.383      | BH       | 152            | -21681       | -0.17%         | -0.006%       |
| 2         | 2.393       | 2.383        | 2.485      | PH       | -1026          | -93487       | -0.73%         | -0.025%       |
| 3         | 2.500       | 2.485        | 2.542      | PH       | 167            | -49311       | -0.39%         | -0.013%       |
| 4         | 2.555       | 2.542        | 2.585      | PH       | 8712           | 27480        | 0.22%          | 0.007%        |
| 5         | 2.596       | 2.585        | 2.679      | PH       | -1823          | -155567      | -1.22%         | -0.041%       |
| 6         | 2.688       | 2.679        | 2.762      | PH       | -3238          | -170234      | -1.33%         | -0.045%       |
| 7         | 2.774       | 2.762        | 2.842      | PH       | -3603          | -180991      | -1.42%         | -0.048%       |
| 8         | 2.867       | 2.842        | 2.914      | PH       | -3582          | -168178      | -1.32%         | -0.044%       |
| 9         | 2.930       | 2.914        | 2.948      | PH       | -4072          | -83465       | -0.65%         | -0.022%       |
| 10        | 2.958       | 2.948        | 2.977      | PH       | -4075          | -71278       | -0.56%         | -0.019%       |
| 11        | 2.987       | 2.977        | 2.996      | PH       | -4170          | -48285       | -0.38%         | -0.013%       |
| 12        | 3.020       | 2.996        | 3.086      | PH       | -4020          | -228448      | -1.79%         | -0.060%       |
| 13        | 3.114       | 3.086        | 3.192      | PH       | -4001          | -285540      | -2.23%         | -0.075%       |
| 14        | 3.206       | 3.192        | 3.258      | PH       | -3925          | -177051      | -1.39%         | -0.047%       |
| 15        | 3.275       | 3.258        | 3.300      | PH       | -4680          | -120592      | -0.94%         | -0.032%       |
| 16        | 3.315       | 3.300        | 3.352      | PH       | -4709          | -151820      | -1.19%         | -0.040%       |
| 17        | 3.363       | 3.352        | 3.389      | PH       | -4800          | -109395      | -0.86%         | -0.029%       |
| 18        | 3.402       | 3.389        | 3.413      | PH       | -4960          | -72492       | -0.57%         | -0.019%       |
| 19        | 3.418       | 3.413        | 3.443      | PH       | -5012          | -91784       | -0.72%         | -0.024%       |
| 20        | 3.459       | 3.443        | 3.492      | PH       | -5050          | -152622      | -1.19%         | -0.040%       |
| 21        | 3.503       | 3.492        | 3.569      | PH       | -5172          | -240750      | -1.88%         | -0.064%       |
| 22        | 3.593       | 3.569        | 3.665      | PH       | -4559          | -294204      | -2.30%         | -0.078%       |
| 23        | 3.681       | 3.665        | 3.762      | PH       | -5169          | -309483      | -2.42%         | -0.082%       |
| 24        | 3.782       | 3.762        | 3.834      | PH       | -5228          | -232771      | -1.82%         | -0.062%       |
| 25        | 3.845       | 3.834        | 3.869      | PH       | -5447          | -114606      | -0.90%         | -0.030%       |
| 26        | 3.891       | 3.869        | 3.923      | PH       | -5231          | -175852      | -1.38%         | -0.046%       |
| 27        | 3.963       | 3.923        | 4.112      | PH       | 20888          | -212900      | -1.67%         | -0.056%       |
| 28        | 4.140       | 4.112        | 4.155      | PH       | -3765          | -115804      | -0.91%         | -0.031%       |
| 29        | 4.164       | 4.155        | 4.185      | PH       | -4169          | -81513       | -0.64%         | -0.022%       |
| 30        | 4.196       | 4.185        | 4.269      | PH       | -4678          | -250596      | -1.96%         | -0.066%       |
| 31        | 4.309       | 4.269        | 4.341      | PH       | -5237          | -229772      | -1.80%         | -0.061%       |
| 32        | 4.361       | 4.341        | 4.392      | PH       | -4725          | -159403      | -1.25%         | -0.042%       |
| 33        | 4.409       | 4.392        | 4.420      | PH       | -5288          | -90177       | -0.71%         | -0.024%       |
| 34        | 4.462       | 4.420        | 4.490      | PH       | -5070          | -220543      | -1.73%         | -0.058%       |
| 35        | 4.510       | 4.490        | 4.543      | PH       | -4535          | -164772      | -1.29%         | -0.044%       |
| 36        | 4.561       | 4.543        | 4.599      | PH       | -5324          | -179632      | -1.41%         | -0.047%       |

|    |       |       |       |    | rt    | ret     | Area   | %Area   |
|----|-------|-------|-------|----|-------|---------|--------|---------|
| 37 | 4.613 | 4.599 | 4.622 | PH | -5338 | -76987  | -0.60% | -0.020% |
| 38 | 4.643 | 4.622 | 4.679 | PH | -5189 | -179463 | -1.40% | -0.047% |
| 39 | 4.705 | 4.679 | 4.729 | PH | -5150 | -158115 | -1.24% | -0.042% |
| 40 | 4.741 | 4.729 | 4.759 | PH | -5085 | -97634  | -0.76% | -0.026% |
| 41 | 4.769 | 4.759 | 4.792 | PH | -5370 | -105236 | -0.82% | -0.028% |
| 42 | 4.808 | 4.792 | 4.818 | PH | -5274 | -83452  | -0.65% | -0.022% |
| 43 | 4.827 | 4.818 | 4.842 | PH | -5278 | -78031  | -0.61% | -0.021% |
| 44 | 4.881 | 4.842 | 4.907 | PH | -5372 | -214374 | -1.68% | -0.057% |
| 45 | 4.950 | 4.907 | 4.978 | PH | -4983 | -223226 | -1.75% | -0.059% |
| 46 | 4.992 | 4.978 | 5.022 | PH | -5364 | -143168 | -1.12% | -0.038% |
| 47 | 5.042 | 5.022 | 5.058 | PH | -5244 | -116935 | -0.92% | -0.031% |
| 48 | 5.069 | 5.058 | 5.075 | PH | -5388 | -53728  | -0.42% | -0.014% |
| 49 | 5.083 | 5.075 | 5.088 | PH | -5344 | -42038  | -0.33% | -0.011% |
| 50 | 5.096 | 5.088 | 5.131 | PH | -5329 | -140232 | -1.10% | -0.037% |
| 51 | 5.166 | 5.131 | 5.195 | PH | -5349 | -207307 | -1.62% | -0.055% |
| 52 | 5.219 | 5.195 | 5.262 | PH | -4352 | -197444 | -1.55% | -0.052% |
| 53 | 5.272 | 5.262 | 5.328 | PH | -5150 | -211612 | -1.66% | -0.056% |
| 54 | 5.340 | 5.328 | 5.371 | PH | -5361 | -140735 | -1.10% | -0.037% |
| 55 | 5.390 | 5.371 | 5.424 | PH | -5207 | -169665 | -1.33% | -0.045% |
| 56 | 5.452 | 5.424 | 5.485 | PH | -5170 | -194230 | -1.52% | -0.051% |
| 57 | 5.530 | 5.485 | 5.542 | PH | -5224 | -179184 | -1.40% | -0.047% |
| 58 | 5.567 | 5.542 | 5.600 | PH | -5085 | -182734 | -1.43% | -0.048% |
| 59 | 5.638 | 5.600 | 5.652 | PH | -5223 | -164187 | -1.29% | -0.043% |
| 60 | 5.669 | 5.652 | 5.706 | PH | -5130 | -170773 | -1.34% | -0.045% |
| 61 | 5.732 | 5.706 | 5.745 | PH | -5272 | -124242 | -0.97% | -0.033% |
| 62 | 5.792 | 5.745 | 5.801 | PH | -5249 | -177456 | -1.39% | -0.047% |
| 63 | 5.845 | 5.801 | 5.902 | PH | -5117 | -314922 | -2.46% | -0.083% |
| 64 | 5.952 | 5.902 | 6.012 | PH | -4693 | -323638 | -2.53% | -0.086% |
| 65 | 6.034 | 6.012 | 6.052 | PH | -4899 | -119403 | -0.93% | -0.032% |
| 66 | 6.088 | 6.052 | 6.141 | PH | -4039 | -257008 | -2.01% | -0.068% |
| 67 | 6.158 | 6.141 | 6.195 | PH | -5017 | -163395 | -1.28% | -0.043% |
| 68 | 6.261 | 6.195 | 6.283 | PH | -4536 | -254897 | -1.99% | -0.067% |
| 69 | 6.291 | 6.283 | 6.314 | PH | -4782 | -89023  | -0.70% | -0.024% |
| 70 | 6.371 | 6.314 | 6.442 | PH | -4035 | -365203 | -2.86% | -0.097% |
| 71 | 6.459 | 6.442 | 6.481 | PH | -4885 | -115003 | -0.90% | -0.030% |
| 72 | 6.519 | 6.481 | 6.571 | PH | -4339 | -258038 | -2.02% | -0.068% |
| 73 | 6.585 | 6.571 | 6.611 | PH | -4802 | -117319 | -0.92% | -0.031% |
| 74 | 6.646 | 6.611 | 6.669 | PH | -4708 | -166660 | -1.30% | -0.044% |
| 75 | 6.693 | 6.669 | 6.705 | PH | -4549 | -101553 | -0.79% | -0.027% |
| 76 | 6.724 | 6.705 | 6.755 | PH | -4067 | -132619 | -1.04% | -0.035% |
| 77 | 6.763 | 6.755 | 6.801 | PH | -4443 | -124677 | -0.98% | -0.033% |
| 78 | 6.855 | 6.801 | 6.909 | PH | -3451 | -265357 | -2.08% | -0.070% |
| 79 | 6.924 | 6.909 | 6.950 | PH | -4023 | -103935 | -0.81% | -0.027% |
| 80 | 6.972 | 6.950 | 6.982 | PH | -3951 | -79908  | -0.63% | -0.021% |
| 81 | 7.026 | 6.982 | 7.052 | PH | -1534 | -132779 | -1.04% | -0.035% |
| 82 | 7.068 | 7.052 | 7.106 | PH | -3189 | -123322 | -0.97% | -0.033% |
| 83 | 7.130 | 7.106 | 7.150 | PH | -3555 | -107201 | -0.84% | -0.028% |
| 84 | 7.168 | 7.150 | 7.182 | PH | -3619 | -73553  | -0.58% | -0.019% |
| 85 | 7.200 | 7.182 | 7.221 | PH | -3718 | -90626  | -0.71% | -0.024% |
| 86 | 7.239 | 7.221 | 7.263 | PH | -3531 | -96277  | -0.75% | -0.025% |
| 87 | 7.292 | 7.263 | 7.332 | PH | 148   | -122647 | -0.96% | -0.032% |
| 88 | 7.369 | 7.332 | 7.389 | PH | -4083 | -141345 | -1.11% | -0.037% |
| 89 | 7.416 | 7.389 | 7.437 | PH | -3840 | -116737 | -0.91% | -0.031% |

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|     |        |        |        |    | rt     | Area    | Height | Area%   |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 90  | 7.463  | 7.437  | 7.499  | PH | -3174  | -140056 | -1.10% | -0.037% |
| 91  | 7.518  | 7.499  | 7.537  | PH | -3797  | -91656  | -0.72% | -0.024% |
| 92  | 7.573  | 7.537  | 7.591  | PH | -3211  | -121084 | -0.95% | -0.032% |
| 93  | 7.630  | 7.591  | 7.681  | PH | -3241  | -192405 | -1.51% | -0.051% |
| 94  | 7.716  | 7.681  | 7.728  | PH | -2322  | -89348  | -0.70% | -0.024% |
| 95  | 7.741  | 7.728  | 7.785  | PH | -2162  | -99447  | -0.78% | -0.026% |
| 96  | 7.810  | 7.785  | 7.830  | PH | -2853  | -89344  | -0.70% | -0.024% |
| 97  | 7.873  | 7.830  | 7.885  | PH | -1332  | -72781  | -0.57% | -0.019% |
| 98  | 7.892  | 7.885  | 7.902  | PH | -1437  | -15488  | -0.12% | -0.004% |
| 99  | 7.912  | 7.902  | 7.936  | PH | -1265  | -44771  | -0.35% | -0.012% |
| 100 | 7.981  | 7.936  | 8.043  | PH | 6054   | -35219  | -0.28% | -0.009% |
| 101 | 8.085  | 8.043  | 8.100  | PH | 11085  | 76811   | 0.60%  | 0.020%  |
| 102 | 8.113  | 8.100  | 8.138  | HH | 7469   | 85370   | 0.67%  | 0.023%  |
| 103 | 8.159  | 8.138  | 8.186  | PH | 12156  | 111839  | 0.88%  | 0.030%  |
| 104 | 8.222  | 8.186  | 8.295  | PH | 52651  | 666755  | 5.22%  | 0.176%  |
| 105 | 8.316  | 8.295  | 8.334  | PH | 1202   | 1675    | 0.01%  | 0.000%  |
| 106 | 8.359  | 8.334  | 8.393  | PH | 2610   | 26869   | 0.21%  | 0.007%  |
| 107 | 8.403  | 8.393  | 8.423  | PH | -59    | -8952   | -0.07% | -0.002% |
| 108 | 8.447  | 8.423  | 8.472  | PH | -708   | -30215  | -0.24% | -0.008% |
| 109 | 8.487  | 8.472  | 8.499  | PH | -569   | -14369  | -0.11% | -0.004% |
| 110 | 8.519  | 8.499  | 8.549  | PH | 2266   | 32545   | 0.25%  | 0.009%  |
| 111 | 8.573  | 8.549  | 8.592  | HH | 2917   | 51863   | 0.41%  | 0.014%  |
| 112 | 8.613  | 8.592  | 8.634  | HH | 7621   | 112694  | 0.88%  | 0.030%  |
| 113 | 8.696  | 8.634  | 8.734  | HH | 18771  | 388574  | 3.04%  | 0.103%  |
| 114 | 8.751  | 8.734  | 8.781  | HH | 5744   | 95270   | 0.75%  | 0.025%  |
| 115 | 8.803  | 8.781  | 8.824  | HH | 14080  | 195929  | 1.53%  | 0.052%  |
| 116 | 8.839  | 8.824  | 8.858  | HH | 7147   | 106459  | 0.83%  | 0.028%  |
| 117 | 8.875  | 8.858  | 8.892  | HH | 5915   | 82067   | 0.64%  | 0.022%  |
| 118 | 8.926  | 8.892  | 8.951  | HH | 8885   | 200258  | 1.57%  | 0.053%  |
| 119 | 8.981  | 8.951  | 9.000  | HH | 55536  | 814107  | 6.37%  | 0.215%  |
| 120 | 9.012  | 9.000  | 9.049  | HH | 24024  | 366766  | 2.87%  | 0.097%  |
| 121 | 9.068  | 9.049  | 9.090  | HH | 6367   | 122346  | 0.96%  | 0.032%  |
| 122 | 9.128  | 9.090  | 9.145  | HH | 20780  | 327562  | 2.56%  | 0.087%  |
| 123 | 9.161  | 9.145  | 9.197  | HH | 18342  | 325474  | 2.55%  | 0.086%  |
| 124 | 9.210  | 9.197  | 9.225  | HH | 6691   | 102261  | 0.80%  | 0.027%  |
| 125 | 9.264  | 9.225  | 9.296  | HH | 24854  | 561897  | 4.40%  | 0.149%  |
| 126 | 9.312  | 9.296  | 9.330  | HH | 11161  | 187837  | 1.47%  | 0.050%  |
| 127 | 9.358  | 9.330  | 9.392  | HH | 19779  | 522320  | 4.09%  | 0.138%  |
| 128 | 9.428  | 9.392  | 9.467  | HH | 27700  | 750811  | 5.88%  | 0.198%  |
| 129 | 9.490  | 9.467  | 9.509  | HH | 17420  | 349676  | 2.74%  | 0.092%  |
| 130 | 9.545  | 9.509  | 9.575  | HH | 20292  | 634067  | 4.96%  | 0.168%  |
| 131 | 9.593  | 9.575  | 9.618  | HH | 12875  | 286645  | 2.24%  | 0.076%  |
| 132 | 9.637  | 9.618  | 9.651  | HH | 9357   | 177280  | 1.39%  | 0.047%  |
| 133 | 9.676  | 9.651  | 9.693  | HH | 15682  | 321866  | 2.52%  | 0.085%  |
| 134 | 9.720  | 9.693  | 9.737  | HH | 20380  | 442142  | 3.46%  | 0.117%  |
| 135 | 9.761  | 9.737  | 9.808  | HH | 101418 | 1591741 | 12.46% | 0.421%  |
| 136 | 9.837  | 9.808  | 9.848  | HH | 14610  | 332323  | 2.60%  | 0.088%  |
| 137 | 9.866  | 9.848  | 9.902  | HH | 16740  | 438144  | 3.43%  | 0.116%  |
| 138 | 9.932  | 9.902  | 9.984  | HH | 19178  | 657895  | 5.15%  | 0.174%  |
| 139 | 9.994  | 9.984  | 10.015 | HH | 11858  | 203790  | 1.59%  | 0.054%  |
| 140 | 10.036 | 10.015 | 10.062 | HH | 13695  | 334921  | 2.62%  | 0.089%  |
| 141 | 10.093 | 10.062 | 10.120 | HH | 23516  | 610403  | 4.78%  | 0.161%  |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 142    | 10.149 | 10.120 | 10.177 | HH | 62640  | 1208484  | 9.46%   | 0.319% |
| 143    | 10.200 | 10.177 | 10.217 | HH | 30575  | 588836   | 4.61%   | 0.156% |
| 144    | 10.236 | 10.217 | 10.256 | HH | 27034  | 556756   | 4.36%   | 0.147% |
| 145    | 10.293 | 10.256 | 10.320 | HH | 28772  | 826421   | 6.47%   | 0.218% |
| 146    | 10.344 | 10.320 | 10.383 | HH | 21497  | 690896   | 5.41%   | 0.183% |
| 147    | 10.410 | 10.383 | 10.455 | HH | 24982  | 893048   | 6.99%   | 0.236% |
| 148    | 10.500 | 10.455 | 10.537 | HH | 127778 | 2341136  | 18.32%  | 0.619% |
| 149    | 10.573 | 10.537 | 10.602 | HH | 115459 | 2081474  | 16.29%  | 0.550% |
| 150    | 10.616 | 10.602 | 10.665 | HH | 23700  | 760915   | 5.96%   | 0.201% |
| 151    | 10.706 | 10.665 | 10.724 | HH | 19869  | 657008   | 5.14%   | 0.174% |
| 152    | 10.751 | 10.724 | 10.799 | HH | 43522  | 1237317  | 9.68%   | 0.327% |
| 153    | 10.831 | 10.799 | 10.859 | HH | 28317  | 885110   | 6.93%   | 0.234% |
| 154    | 11.891 | 10.859 | 10.935 | HH | 34132  | 1153672  | 9.03%   | 0.305% |
| 155    | 10.956 | 10.935 | 10.987 | HH | 28155  | 745279   | 5.83%   | 0.197% |
| 156    | 11.007 | 10.987 | 11.025 | HH | 27997  | 539013   | 4.22%   | 0.142% |
| 157    | 11.048 | 11.025 | 11.084 | HH | 27560  | 837987   | 6.56%   | 0.221% |
| 158    | 11.115 | 11.084 | 11.128 | HH | 22006  | 559689   | 4.38%   | 0.148% |
| 159    | 11.156 | 11.128 | 11.174 | HH | 24400  | 631755   | 4.94%   | 0.167% |
| 160    | 11.203 | 11.174 | 11.236 | HH | 131356 | 2150480  | 16.83%  | 0.568% |
| 161    | 11.294 | 11.236 | 11.332 | HH | 81786  | 2259605  | 17.69%  | 0.597% |
| 162    | 11.360 | 11.332 | 11.379 | HH | 25911  | 670307   | 5.25%   | 0.177% |
| 163    | 11.401 | 11.379 | 11.424 | HH | 30626  | 706752   | 5.53%   | 0.187% |
| 164    | 11.499 | 11.424 | 11.525 | HH | 32929  | 1706024  | 13.35%  | 0.451% |
| 165    | 11.554 | 11.525 | 11.568 | HH | 51500  | 997734   | 7.81%   | 0.264% |
| 166    | 11.586 | 11.568 | 11.620 | HH | 58092  | 1389960  | 10.88%  | 0.367% |
| 167    | 11.639 | 11.620 | 11.668 | HH | 41369  | 973990   | 7.62%   | 0.257% |
| 168    | 11.699 | 11.668 | 11.718 | HH | 52990  | 1209663  | 9.47%   | 0.320% |
| 169    | 11.733 | 11.718 | 11.780 | HH | 45449  | 1264975  | 9.90%   | 0.334% |
| 170    | 11.813 | 11.780 | 11.827 | HH | 31833  | 836187   | 6.54%   | 0.221% |
| 171    | 11.875 | 11.827 | 11.906 | HH | 173416 | 3509357  | 27.47%  | 0.928% |
| 172    | 11.921 | 11.906 | 11.932 | HH | 38355  | 564113   | 4.42%   | 0.149% |
| 173    | 11.951 | 11.932 | 12.011 | HH | 43486  | 1782475  | 13.95%  | 0.471% |
| 174    | 12.031 | 12.011 | 12.049 | HH | 37115  | 769857   | 6.03%   | 0.203% |
| 175    | 12.086 | 12.049 | 12.103 | HH | 42930  | 1226327  | 9.60%   | 0.324% |
| 176    | 12.137 | 12.103 | 12.197 | HH | 171973 | 4068710  | 31.84%  | 1.075% |
| 177    | 12.288 | 12.197 | 12.319 | HH | 59838  | 3374241  | 26.41%  | 0.892% |
| 178    | 12.344 | 12.319 | 12.393 | HH | 65795  | 2231519  | 17.47%  | 0.590% |
| 179    | 12.454 | 12.393 | 12.475 | HH | 87292  | 2773484  | 21.71%  | 0.733% |
| 180    | 12.516 | 12.475 | 12.550 | HH | 209440 | 4283733  | 33.53%  | 1.132% |
| 181    | 12.573 | 12.550 | 12.636 | HH | 65069  | 2701401  | 21.14%  | 0.714% |
| 182    | 12.664 | 12.636 | 12.683 | HH | 48248  | 1273612  | 9.97%   | 0.337% |
| 183    | 12.705 | 12.683 | 12.737 | HH | 45857  | 1442177  | 11.29%  | 0.381% |
| 184    | 12.770 | 12.737 | 12.795 | HH | 61730  | 1897200  | 14.85%  | 0.501% |
| 185    | 12.805 | 12.795 | 12.846 | HH | 56796  | 1626002  | 12.73%  | 0.430% |
| 186    | 12.869 | 12.846 | 12.892 | HH | 67562  | 1630404  | 12.76%  | 0.431% |
| 187    | 12.907 | 12.892 | 12.920 | HH | 59484  | 935224   | 7.32%   | 0.247% |
| 188    | 12.934 | 12.920 | 12.948 | HH | 57877  | 927913   | 7.26%   | 0.245% |
| 189    | 12.963 | 12.948 | 12.982 | HH | 57551  | 1093857  | 8.56%   | 0.289% |
| 190    | 13.009 | 12.982 | 13.102 | HH | 73988  | 4101102  | 32.10%  | 1.084% |
| 191    | 13.132 | 13.102 | 13.148 | HH | 213618 | 3790295  | 29.67%  | 1.002% |
| 192    | 13.164 | 13.148 | 13.189 | HH | 172710 | 3935487  | 30.80%  | 1.040% |
| 193    | 13.239 | 13.189 | 13.282 | HH | 483313 | 12776855 | 100.00% | 3.377% |
| 194    | 13.296 | 13.282 | 13.325 | HH | 84470  | 1960604  | 15.34%  | 0.518% |

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| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 13.379 | 13.325 | 13.439 | HH | 162814 | 6045705 | 47.32% | 1.598% |
| 196    | 13.462 | 13.439 | 13.492 | HH | 68880  | 2179748 | 17.06% | 0.576% |
| 197    | 13.509 | 13.492 | 13.530 | HH | 70691  | 1524160 | 11.93% | 0.403% |
| 198    | 13.558 | 13.530 | 13.589 | HH | 72323  | 2354898 | 18.43% | 0.622% |
| 199    | 13.611 | 13.589 | 13.683 | HH | 73231  | 3704654 | 29.00% | 0.979% |
| 200    | 13.716 | 13.683 | 13.757 | HH | 197635 | 4536125 | 35.50% | 1.199% |
| 201    | 13.775 | 13.757 | 13.820 | HH | 71312  | 2419327 | 18.94% | 0.639% |
| 202    | 13.832 | 13.820 | 13.843 | HH | 58818  | 831900  | 6.51%  | 0.220% |
| 203    | 13.863 | 13.843 | 13.887 | HH | 60462  | 1510712 | 11.82% | 0.399% |
| 204    | 13.944 | 13.887 | 13.995 | HH | 72239  | 4053830 | 31.73% | 1.071% |
| 205    | 14.012 | 13.995 | 14.029 | HH | 60477  | 1201645 | 9.40%  | 0.318% |
| 206    | 14.045 | 14.029 | 14.055 | HH | 58366  | 894639  | 7.00%  | 0.236% |
| 207    | 14.077 | 14.055 | 14.108 | HH | 68537  | 1960561 | 15.34% | 0.518% |
| 208    | 14.128 | 14.108 | 14.159 | HH | 65680  | 1850145 | 14.48% | 0.489% |
| 209    | 14.187 | 14.159 | 14.199 | HH | 57745  | 1352526 | 10.59% | 0.357% |
| 210    | 14.209 | 14.199 | 14.237 | HH | 58123  | 1304962 | 10.21% | 0.345% |
| 211    | 14.279 | 14.237 | 14.318 | HH | 185092 | 4358003 | 34.11% | 1.152% |
| 212    | 14.343 | 14.318 | 14.365 | HH | 70043  | 1769383 | 13.85% | 0.468% |
| 213    | 14.399 | 14.365 | 14.458 | HH | 138683 | 4267814 | 33.40% | 1.128% |
| 214    | 14.480 | 14.458 | 14.492 | HH | 60508  | 1181338 | 9.25%  | 0.312% |
| 215    | 14.503 | 14.492 | 14.543 | HH | 60296  | 1753850 | 13.73% | 0.464% |
| 216    | 14.561 | 14.543 | 14.581 | HH | 59615  | 1290945 | 10.10% | 0.341% |
| 217    | 14.618 | 14.581 | 14.654 | HH | 287131 | 5651602 | 44.23% | 1.494% |
| 218    | 14.672 | 14.654 | 14.691 | HH | 56418  | 1180515 | 9.24%  | 0.312% |
| 219    | 14.719 | 14.691 | 14.739 | HH | 54769  | 1532464 | 11.99% | 0.405% |
| 220    | 14.764 | 14.739 | 14.786 | HH | 70063  | 1655793 | 12.96% | 0.438% |
| 221    | 14.819 | 14.786 | 14.852 | HH | 159762 | 3442843 | 26.95% | 0.910% |
| 222    | 14.872 | 14.852 | 14.889 | HH | 51884  | 1123489 | 8.79%  | 0.297% |
| 223    | 14.918 | 14.889 | 14.945 | HH | 53397  | 1731476 | 13.55% | 0.458% |
| 224    | 14.956 | 14.945 | 14.989 | HH | 47482  | 1244817 | 9.74%  | 0.329% |
| 225    | 15.021 | 14.989 | 15.043 | HH | 61567  | 1718622 | 13.45% | 0.454% |
| 226    | 15.062 | 15.043 | 15.115 | HH | 52198  | 2071001 | 16.21% | 0.547% |
| 227    | 15.129 | 15.115 | 15.138 | HH | 44473  | 600104  | 4.70%  | 0.159% |
| 228    | 15.157 | 15.138 | 15.175 | HH | 48352  | 1024564 | 8.02%  | 0.271% |
| 229    | 15.209 | 15.175 | 15.299 | HH | 78269  | 3742990 | 29.30% | 0.989% |
| 230    | 15.339 | 15.299 | 15.377 | HH | 134852 | 3213827 | 25.15% | 0.849% |
| 231    | 15.388 | 15.377 | 15.408 | HH | 44690  | 813809  | 6.37%  | 0.215% |
| 232    | 15.426 | 15.408 | 15.451 | HH | 47521  | 1136006 | 8.89%  | 0.300% |
| 233    | 15.464 | 15.451 | 15.497 | HH | 41742  | 1074851 | 8.41%  | 0.284% |
| 234    | 15.523 | 15.497 | 15.539 | HH | 41704  | 1004174 | 7.86%  | 0.265% |
| 235    | 15.554 | 15.539 | 15.575 | HH | 42399  | 891586  | 6.98%  | 0.236% |
| 236    | 15.596 | 15.575 | 15.616 | HH | 41198  | 979607  | 7.67%  | 0.259% |
| 237    | 15.659 | 15.616 | 15.695 | HH | 45808  | 1967657 | 15.40% | 0.520% |
| 238    | 15.719 | 15.695 | 15.745 | HH | 41881  | 1217866 | 9.53%  | 0.322% |
| 239    | 15.761 | 15.745 | 15.781 | HH | 39138  | 837008  | 6.55%  | 0.221% |
| 240    | 15.793 | 15.781 | 15.806 | HH | 38077  | 549481  | 4.30%  | 0.145% |
| 241    | 15.841 | 15.806 | 15.870 | HH | 121809 | 2612884 | 20.45% | 0.691% |
| 242    | 15.879 | 15.870 | 15.919 | HH | 41512  | 1143672 | 8.95%  | 0.302% |
| 243    | 15.938 | 15.919 | 15.955 | HH | 40981  | 874942  | 6.85%  | 0.231% |
| 244    | 16.021 | 15.955 | 16.055 | HH | 51309  | 2809878 | 21.99% | 0.743% |
| 245    | 16.066 | 16.055 | 16.100 | HH | 50029  | 1283968 | 10.05% | 0.339% |
| 246    | 16.133 | 16.100 | 16.168 | HH | 54812  | 2053667 | 16.07% | 0.543% |

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| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 16.206 | 16.168 | 16.252 | HH | 54341  | 2492604 | 19.51% | 0.659% |
| 248    | 16.269 | 16.252 | 16.291 | HH | 46258  | 1013966 | 7.94%  | 0.268% |
| 249    | 16.323 | 16.291 | 16.353 | HH | 127766 | 2694825 | 21.09% | 0.712% |
| 250    | 16.401 | 16.353 | 16.439 | HH | 52107  | 2401925 | 18.80% | 0.635% |
| 251    | 16.456 | 16.439 | 16.470 | HH | 48431  | 875551  | 6.85%  | 0.231% |
| 252    | 16.486 | 16.470 | 16.527 | HH | 48692  | 1580786 | 12.37% | 0.418% |
| 253    | 16.545 | 16.527 | 16.582 | HH | 45425  | 1458331 | 11.41% | 0.385% |
| 254    | 16.629 | 16.582 | 16.733 | HH | 67015  | 4546951 | 35.59% | 1.202% |
| 255    | 16.791 | 16.733 | 16.827 | HH | 124196 | 3684643 | 28.84% | 0.974% |
| 256    | 16.837 | 16.827 | 16.862 | HH | 46712  | 934993  | 7.32%  | 0.247% |
| 257    | 16.941 | 16.862 | 16.976 | HH | 48908  | 3140865 | 24.58% | 0.830% |
| 258    | 17.025 | 16.976 | 17.052 | HH | 52305  | 2214976 | 17.34% | 0.585% |
| 259    | 17.081 | 17.052 | 17.101 | HH | 49056  | 1410016 | 11.04% | 0.373% |
| 260    | 17.129 | 17.101 | 17.159 | HH | 55497  | 1748472 | 13.68% | 0.462% |
| 261    | 17.168 | 17.159 | 17.206 | HH | 48718  | 1338104 | 10.47% | 0.354% |
| 262    | 17.242 | 17.206 | 17.322 | HH | 133221 | 4400347 | 34.44% | 1.163% |
| 263    | 17.358 | 17.322 | 17.372 | HH | 48225  | 1398443 | 10.95% | 0.370% |
| 264    | 17.375 | 17.372 | 17.388 | HH | 47906  | 450837  | 3.53%  | 0.119% |
| 265    | 17.401 | 17.388 | 17.424 | HH | 47586  | 1021476 | 7.99%  | 0.270% |
| 266    | 17.448 | 17.424 | 17.459 | HH | 46000  | 958545  | 7.50%  | 0.253% |
| 267    | 17.522 | 17.459 | 17.549 | HH | 52509  | 2599168 | 20.34% | 0.687% |
| 268    | 17.570 | 17.549 | 17.584 | HH | 49168  | 1017304 | 7.96%  | 0.269% |
| 269    | 17.617 | 17.584 | 17.649 | HH | 53861  | 1986919 | 15.55% | 0.525% |
| 270    | 17.678 | 17.649 | 17.732 | HH | 124818 | 3480113 | 27.24% | 0.920% |
| 271    | 17.742 | 17.732 | 17.772 | HH | 48185  | 1136375 | 8.89%  | 0.300% |
| 272    | 17.815 | 17.772 | 17.832 | HH | 56304  | 1795226 | 14.05% | 0.475% |
| 273    | 17.841 | 17.832 | 17.880 | HH | 52438  | 1402945 | 10.98% | 0.371% |
| 274    | 17.903 | 17.880 | 17.918 | HH | 46675  | 1062869 | 8.32%  | 0.281% |
| 275    | 17.959 | 17.918 | 17.976 | HH | 52803  | 1741093 | 13.63% | 0.460% |
| 276    | 17.993 | 17.976 | 18.011 | HH | 54569  | 1064851 | 8.33%  | 0.281% |
| 277    | 18.040 | 18.011 | 18.072 | HH | 61950  | 2037452 | 15.95% | 0.539% |
| 278    | 18.102 | 18.072 | 18.162 | HH | 117562 | 3721774 | 29.13% | 0.984% |
| 279    | 18.184 | 18.162 | 18.205 | HH | 59512  | 1386424 | 10.85% | 0.366% |
| 280    | 18.228 | 18.205 | 18.278 | HH | 60457  | 2287047 | 17.90% | 0.605% |
| 281    | 18.297 | 18.278 | 18.317 | HH | 47956  | 1093668 | 8.56%  | 0.289% |
| 282    | 18.367 | 18.317 | 18.441 | HH | 50739  | 3543137 | 27.73% | 0.937% |
| 283    | 18.510 | 18.441 | 18.555 | HH | 105144 | 4335373 | 33.93% | 1.146% |
| 284    | 18.609 | 18.555 | 18.632 | HH | 51541  | 2206086 | 17.27% | 0.583% |
| 285    | 18.649 | 18.632 | 18.728 | HH | 52012  | 2830489 | 22.15% | 0.748% |
| 286    | 18.770 | 18.728 | 18.796 | HH | 50114  | 1948644 | 15.25% | 0.515% |
| 287    | 18.811 | 18.796 | 18.823 | HH | 48284  | 785711  | 6.15%  | 0.208% |
| 288    | 18.860 | 18.823 | 18.885 | HH | 100941 | 2685311 | 21.02% | 0.710% |
| 289    | 18.909 | 18.885 | 18.965 | HH | 100926 | 3259308 | 25.51% | 0.861% |
| 290    | 19.023 | 18.965 | 19.056 | HH | 51425  | 2709843 | 21.21% | 0.716% |
| 291    | 19.107 | 19.056 | 19.122 | HH | 52878  | 2034384 | 15.92% | 0.538% |
| 292    | 19.162 | 19.122 | 19.175 | HH | 56221  | 1742296 | 13.64% | 0.461% |
| 293    | 19.202 | 19.175 | 19.265 | HH | 59204  | 3003878 | 23.51% | 0.794% |
| 294    | 19.295 | 19.265 | 19.357 | HH | 82469  | 3261471 | 25.53% | 0.862% |
| 295    | 19.407 | 19.357 | 19.437 | HH | 52642  | 2427803 | 19.00% | 0.642% |
| 296    | 19.456 | 19.437 | 19.495 | HH | 49821  | 1715779 | 13.43% | 0.454% |
| 297    | 19.582 | 19.495 | 19.616 | HH | 56137  | 3808752 | 29.81% | 1.007% |
| 298    | 19.668 | 19.616 | 19.751 | HH | 81061  | 4890136 | 38.27% | 1.293% |
| 299    | 19.770 | 19.751 | 19.804 | HH | 55847  | 1764670 | 13.81% | 0.466% |

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| rteres                  |        |        |        |    |           |         |        |        |
|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|
| 300                     | 19.819 | 19.804 | 19.865 | HH | 55533     | 1988438 | 15.56% | 0.526% |
| 301                     | 19.911 | 19.865 | 19.965 | HH | 57552     | 3318191 | 25.97% | 0.877% |
| 302                     | 19.978 | 19.965 | 19.998 | HH | 54333     | 1041189 | 8.15%  | 0.275% |
| 303                     | 20.034 | 19.998 | 20.062 | HH | 76720     | 2439112 | 19.09% | 0.645% |
| 304                     | 20.090 | 20.062 | 20.118 | HH | 58283     | 1919517 | 15.02% | 0.507% |
| 305                     | 20.190 | 20.118 | 20.242 | HH | 64624     | 4335343 | 33.93% | 1.146% |
| 306                     | 20.260 | 20.242 | 20.285 | HH | 57508     | 1480827 | 11.59% | 0.391% |
| 307                     | 20.307 | 20.285 | 20.325 | HH | 58624     | 1388972 | 10.87% | 0.367% |
| 308                     | 20.336 | 20.325 | 20.348 | HH | 57410     | 775993  | 6.07%  | 0.205% |
| 309                     | 20.390 | 20.348 | 20.439 | HH | 77285     | 3549015 | 27.78% | 0.938% |
| 310                     | 20.457 | 20.439 | 20.475 | HH | 59852     | 1306541 | 10.23% | 0.345% |
| 311                     | 20.492 | 20.475 | 20.516 | HH | 59416     | 1414415 | 11.07% | 0.374% |
| 312                     | 20.549 | 20.516 | 20.692 | HH | 60870     | 5998520 | 46.95% | 1.586% |
| 313                     | 20.703 | 20.692 | 20.722 | HH | 54414     | 977883  | 7.65%  | 0.258% |
| 314                     | 20.760 | 20.722 | 20.815 | HH | 69994     | 3305064 | 25.87% | 0.874% |
| 315                     | 20.861 | 20.815 | 20.892 | HH | 55415     | 2522999 | 19.75% | 0.667% |
| 316                     | 20.921 | 20.892 | 20.965 | HH | 56125     | 2432623 | 19.04% | 0.643% |
| 317                     | 20.974 | 20.965 | 21.002 | HH | 54457     | 1196635 | 9.37%  | 0.316% |
| 318                     | 21.015 | 21.002 | 21.038 | HH | 53696     | 1153012 | 9.02%  | 0.305% |
| 319                     | 21.070 | 21.038 | 21.119 | HH | 56265     | 2607359 | 20.41% | 0.689% |
| 320                     | 21.175 | 21.119 | 21.225 | HH | 63509     | 3579169 | 28.01% | 0.946% |
| 321                     | 21.241 | 21.225 | 21.253 | HH | 52674     | 886302  | 6.94%  | 0.234% |
| 322                     | 21.293 | 21.253 | 21.379 | HH | 54690     | 3938000 | 30.82% | 1.041% |
| 323                     | 21.386 | 21.379 | 21.430 | HH | 50792     | 1541657 | 12.07% | 0.407% |
| 324                     | 21.463 | 21.430 | 21.512 | HH | 49979     | 2449402 | 19.17% | 0.647% |
| 325                     | 21.528 | 21.512 | 21.584 | HH | 49400     | 2122022 | 16.61% | 0.561% |
| 326                     | 21.645 | 21.584 | 21.731 | HH | 57981     | 4578685 | 35.84% | 1.210% |
| Sum of corrected areas: |        |        |        |    | 378333661 |         |        |        |

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