

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE080320\  
 Data File : FE032512.D  
 Signal(s) : FID1B.CH  
 Acq On : 03 Aug 2020 23:08  
 Sample : L3536-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\FE072820.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         | 2.390       | 2.365        | 2.527      | BH       | 1435           | -44205       | -0.56%         | -0.018%       |
| 2         | 2.546       | 2.527        | 2.553      | PH       | -645           | -18959       | -0.24%         | -0.008%       |
| 3         | 2.566       | 2.553        | 2.625      | PH       | 9182           | 36256        | 0.46%          | 0.015%        |
| 4         | 2.637       | 2.625        | 2.658      | PH       | -1126          | -36976       | -0.47%         | -0.015%       |
| 5         | 2.670       | 2.658        | 2.678      | PH       | -2433          | -29770       | -0.38%         | -0.012%       |
| 6         | 2.691       | 2.678        | 2.745      | PH       | -1781          | -114294      | -1.44%         | -0.046%       |
| 7         | 2.759       | 2.745        | 2.767      | PH       | -3293          | -43193       | -0.54%         | -0.017%       |
| 8         | 2.782       | 2.767        | 2.830      | PH       | -1493          | -104926      | -1.32%         | -0.042%       |
| 9         | 2.859       | 2.830        | 2.889      | PH       | 11442          | 4022         | 0.05%          | 0.002%        |
| 10        | 2.903       | 2.889        | 2.927      | PH       | -1695          | -68547       | -0.86%         | -0.028%       |
| 11        | 2.951       | 2.927        | 3.004      | PH       | 6966           | -25706       | -0.32%         | -0.010%       |
| 12        | 3.014       | 3.004        | 3.028      | PH       | -3701          | -56406       | -0.71%         | -0.023%       |
| 13        | 3.039       | 3.028        | 3.051      | PH       | -3664          | -54064       | -0.68%         | -0.022%       |
| 14        | 3.070       | 3.051        | 3.093      | PH       | -3436          | -95867       | -1.21%         | -0.039%       |
| 15        | 3.123       | 3.093        | 3.142      | PH       | 4210           | -47631       | -0.60%         | -0.019%       |
| 16        | 3.169       | 3.142        | 3.189      | PH       | 1494           | -58642       | -0.74%         | -0.024%       |
| 17        | 3.201       | 3.189        | 3.238      | PH       | -3449          | -119911      | -1.51%         | -0.048%       |
| 18        | 3.245       | 3.238        | 3.260      | PH       | -4492          | -60454       | -0.76%         | -0.024%       |
| 19        | 3.292       | 3.260        | 3.334      | PH       | -1040          | -170470      | -2.15%         | -0.069%       |
| 20        | 3.371       | 3.334        | 3.390      | PH       | -4345          | -153915      | -1.94%         | -0.062%       |
| 21        | 3.405       | 3.390        | 3.427      | PH       | -3972          | -105019      | -1.32%         | -0.042%       |
| 22        | 3.452       | 3.427        | 3.471      | PH       | -4079          | -122362      | -1.54%         | -0.049%       |
| 23        | 3.484       | 3.471        | 3.494      | PH       | -3708          | -59414       | -0.75%         | -0.024%       |
| 24        | 3.512       | 3.494        | 3.551      | PH       | 688            | -103255      | -1.30%         | -0.042%       |
| 25        | 3.566       | 3.551        | 3.595      | PH       | -4498          | -123826      | -1.56%         | -0.050%       |
| 26        | 3.608       | 3.595        | 3.633      | PH       | -4956          | -114643      | -1.45%         | -0.046%       |
| 27        | 3.659       | 3.633        | 3.668      | PH       | -4487          | -104319      | -1.32%         | -0.042%       |
| 28        | 3.707       | 3.668        | 3.742      | PH       | -1587          | -161120      | -2.03%         | -0.065%       |
| 29        | 3.768       | 3.742        | 3.802      | PH       | -4098          | -165973      | -2.09%         | -0.067%       |
| 30        | 3.817       | 3.802        | 3.832      | PH       | -4724          | -91545       | -1.15%         | -0.037%       |
| 31        | 3.852       | 3.832        | 3.864      | PH       | -3579          | -86386       | -1.09%         | -0.035%       |
| 32        | 3.876       | 3.864        | 3.885      | PH       | -3379          | -48304       | -0.61%         | -0.019%       |
| 33        | 3.897       | 3.885        | 3.911      | PH       | -1163          | -37706       | -0.48%         | -0.015%       |
| 34        | 3.921       | 3.911        | 3.961      | PH       | -2498          | -118351      | -1.49%         | -0.048%       |
| 35        | 3.984       | 3.961        | 3.994      | PH       | -4001          | -91416       | -1.15%         | -0.037%       |
| 36        | 4.006       | 3.994        | 4.034      | PH       | -3384          | -108460      | -1.37%         | -0.044%       |

|    |       |       |       |    | rteres |         |        |         |
|----|-------|-------|-------|----|--------|---------|--------|---------|
| 37 | 4.081 | 4.034 | 4.130 | PH | 85     | -213180 | -2.69% | -0.086% |
| 38 | 4.178 | 4.130 | 4.208 | PH | 8095   | -65608  | -0.83% | -0.026% |
| 39 | 4.222 | 4.208 | 4.281 | PH | 3377   | -86039  | -1.09% | -0.035% |
| 40 | 4.306 | 4.281 | 4.335 | PH | -977   | -106313 | -1.34% | -0.043% |
| 41 | 4.364 | 4.335 | 4.377 | PH | -3947  | -103360 | -1.30% | -0.042% |
| 42 | 4.395 | 4.377 | 4.407 | PH | -3695  | -72790  | -0.92% | -0.029% |
| 43 | 4.433 | 4.407 | 4.451 | PH | -2807  | -95789  | -1.21% | -0.039% |
| 44 | 4.464 | 4.451 | 4.476 | PH | -2197  | -42342  | -0.53% | -0.017% |
| 45 | 4.484 | 4.476 | 4.501 | PH | -2897  | -47170  | -0.60% | -0.019% |
| 46 | 4.513 | 4.501 | 4.525 | PH | -2860  | -47437  | -0.60% | -0.019% |
| 47 | 4.543 | 4.525 | 4.559 | PH | -87    | -37224  | -0.47% | -0.015% |
| 48 | 4.573 | 4.559 | 4.595 | PH | -460   | -46852  | -0.59% | -0.019% |
| 49 | 4.612 | 4.595 | 4.624 | PH | 1694   | -17347  | -0.22% | -0.007% |
| 50 | 4.635 | 4.624 | 4.668 | PH | 1111   | -45041  | -0.57% | -0.018% |
| 51 | 4.683 | 4.668 | 4.706 | PH | -3016  | -87846  | -1.11% | -0.035% |
| 52 | 4.736 | 4.706 | 4.781 | PH | -1893  | -164214 | -2.07% | -0.066% |
| 53 | 4.802 | 4.781 | 4.823 | PH | 8798   | 31589   | 0.40%  | 0.013%  |
| 54 | 4.833 | 4.823 | 4.857 | PH | -773   | -47183  | -0.60% | -0.019% |
| 55 | 4.877 | 4.857 | 4.906 | PH | -2080  | -91523  | -1.15% | -0.037% |
| 56 | 4.921 | 4.906 | 4.953 | PH | -3446  | -105799 | -1.33% | -0.043% |
| 57 | 4.991 | 4.953 | 5.015 | PH | -2605  | -131180 | -1.65% | -0.053% |
| 58 | 5.059 | 5.015 | 5.083 | PH | 3810   | -72344  | -0.91% | -0.029% |
| 59 | 5.095 | 5.083 | 5.130 | PH | -2028  | -67429  | -0.85% | -0.027% |
| 60 | 5.146 | 5.130 | 5.165 | PH | -2763  | -61229  | -0.77% | -0.025% |
| 61 | 5.186 | 5.165 | 5.196 | PH | -1248  | -36282  | -0.46% | -0.015% |
| 62 | 5.210 | 5.196 | 5.226 | PH | -626   | -26741  | -0.34% | -0.011% |
| 63 | 5.240 | 5.226 | 5.270 | PH | -1386  | -59607  | -0.75% | -0.024% |
| 64 | 5.293 | 5.270 | 5.316 | PH | 6908   | 27636   | 0.35%  | 0.011%  |
| 65 | 5.341 | 5.316 | 5.365 | PH | 6581   | 25401   | 0.32%  | 0.010%  |
| 66 | 5.393 | 5.365 | 5.435 | PH | 3510   | -27747  | -0.35% | -0.011% |
| 67 | 5.447 | 5.435 | 5.466 | PH | -2432  | -50068  | -0.63% | -0.020% |
| 68 | 5.495 | 5.466 | 5.521 | PH | 6223   | 22401   | 0.28%  | 0.009%  |
| 69 | 5.535 | 5.521 | 5.545 | PH | 705    | 1620    | 0.02%  | 0.001%  |
| 70 | 5.552 | 5.545 | 5.592 | PH | 314    | -25392  | -0.32% | -0.010% |
| 71 | 5.608 | 5.592 | 5.623 | PH | -1239  | -38074  | -0.48% | -0.015% |
| 72 | 5.634 | 5.623 | 5.655 | PH | -2081  | -45759  | -0.58% | -0.018% |
| 73 | 5.673 | 5.655 | 5.701 | PH | -1599  | -55719  | -0.70% | -0.022% |
| 74 | 5.733 | 5.701 | 5.775 | PH | 12943  | 82258   | 1.04%  | 0.033%  |
| 75 | 5.796 | 5.775 | 5.821 | PH | -814   | -36680  | -0.46% | -0.015% |
| 76 | 5.838 | 5.821 | 5.872 | PH | 1093   | -9129   | -0.12% | -0.004% |
| 77 | 5.908 | 5.872 | 5.972 | PH | 9833   | 51562   | 0.65%  | 0.021%  |
| 78 | 6.015 | 5.972 | 6.029 | PH | 1045   | -23550  | -0.30% | -0.009% |
| 79 | 6.051 | 6.029 | 6.091 | PH | 3478   | 13997   | 0.18%  | 0.006%  |
| 80 | 6.107 | 6.091 | 6.119 | PH | 1022   | -4133   | -0.05% | -0.002% |
| 81 | 6.132 | 6.119 | 6.162 | PH | 1613   | -7525   | -0.09% | -0.003% |
| 82 | 6.188 | 6.162 | 6.206 | PH | 104    | -26566  | -0.34% | -0.011% |
| 83 | 6.256 | 6.206 | 6.268 | PH | 1835   | -3900   | -0.05% | -0.002% |
| 84 | 6.283 | 6.268 | 6.301 | PH | 3792   | 29921   | 0.38%  | 0.012%  |
| 85 | 6.334 | 6.301 | 6.375 | PH | 85760  | 939005  | 11.85% | 0.379%  |
| 86 | 6.402 | 6.375 | 6.433 | HH | 16288  | 258713  | 3.26%  | 0.104%  |
| 87 | 6.444 | 6.433 | 6.462 | HH | 3814   | 37840   | 0.48%  | 0.015%  |
| 88 | 6.486 | 6.462 | 6.539 | HH | 141347 | 1358428 | 17.14% | 0.548%  |
| 89 | 6.550 | 6.539 | 6.565 | PH | -72    | -4667   | -0.06% | -0.002% |

|     |       |       |       |    |        |         |        |         |
|-----|-------|-------|-------|----|--------|---------|--------|---------|
|     |       |       |       |    | rteres |         |        |         |
| 90  | 6.589 | 6.565 | 6.630 | PH | 1729   | 22063   | 0.28%  | 0.009%  |
| 91  | 6.646 | 6.630 | 6.661 | PH | 505    | -20     | -0.00% | -0.000% |
| 92  | 6.683 | 6.661 | 6.705 | PH | 2661   | 25356   | 0.32%  | 0.010%  |
| 93  | 6.727 | 6.705 | 6.745 | PH | 2740   | 22312   | 0.28%  | 0.009%  |
| 94  | 6.764 | 6.745 | 6.784 | PH | 1169   | 15142   | 0.19%  | 0.006%  |
| 95  | 6.803 | 6.784 | 6.824 | HH | 2417   | 35397   | 0.45%  | 0.014%  |
| 96  | 6.838 | 6.824 | 6.868 | HH | 2666   | 29460   | 0.37%  | 0.012%  |
| 97  | 6.879 | 6.868 | 6.897 | PH | 397    | -1124   | -0.01% | -0.000% |
| 98  | 6.935 | 6.897 | 6.944 | PH | 454    | 435     | 0.01%  | 0.000%  |
| 99  | 6.984 | 6.944 | 7.011 | HH | 5219   | 84995   | 1.07%  | 0.034%  |
| 100 | 7.025 | 7.011 | 7.068 | HH | 2751   | 45519   | 0.57%  | 0.018%  |
| 101 | 7.126 | 7.068 | 7.141 | HH | 24802  | 346439  | 4.37%  | 0.140%  |
| 102 | 7.155 | 7.141 | 7.215 | HH | 32234  | 401051  | 5.06%  | 0.162%  |
| 103 | 7.238 | 7.215 | 7.261 | HH | 3160   | 58953   | 0.74%  | 0.024%  |
| 104 | 7.313 | 7.261 | 7.331 | HH | 8039   | 154514  | 1.95%  | 0.062%  |
| 105 | 7.356 | 7.331 | 7.381 | HH | 7074   | 122137  | 1.54%  | 0.049%  |
| 106 | 7.391 | 7.381 | 7.408 | HH | 2332   | 29428   | 0.37%  | 0.012%  |
| 107 | 7.423 | 7.408 | 7.438 | HH | 2202   | 29533   | 0.37%  | 0.012%  |
| 108 | 7.455 | 7.438 | 7.474 | HH | 2268   | 37208   | 0.47%  | 0.015%  |
| 109 | 7.491 | 7.474 | 7.525 | HH | 2394   | 53910   | 0.68%  | 0.022%  |
| 110 | 7.534 | 7.525 | 7.548 | HH | 1681   | 19875   | 0.25%  | 0.008%  |
| 111 | 7.565 | 7.548 | 7.581 | HH | 2850   | 37791   | 0.48%  | 0.015%  |
| 112 | 7.611 | 7.581 | 7.626 | HH | 2786   | 57894   | 0.73%  | 0.023%  |
| 113 | 7.654 | 7.626 | 7.668 | HH | 4140   | 73771   | 0.93%  | 0.030%  |
| 114 | 7.687 | 7.668 | 7.708 | HH | 12062  | 159970  | 2.02%  | 0.065%  |
| 115 | 7.721 | 7.708 | 7.741 | HH | 4015   | 67185   | 0.85%  | 0.027%  |
| 116 | 7.765 | 7.741 | 7.782 | HH | 3621   | 63067   | 0.80%  | 0.025%  |
| 117 | 7.852 | 7.782 | 7.879 | HH | 11720  | 292555  | 3.69%  | 0.118%  |
| 118 | 7.891 | 7.879 | 7.913 | HH | 2023   | 37501   | 0.47%  | 0.015%  |
| 119 | 7.933 | 7.913 | 7.946 | HH | 3012   | 45661   | 0.58%  | 0.018%  |
| 120 | 7.965 | 7.946 | 7.977 | HH | 3501   | 52842   | 0.67%  | 0.021%  |
| 121 | 8.004 | 7.977 | 8.036 | HH | 75909  | 835171  | 10.54% | 0.337%  |
| 122 | 8.046 | 8.036 | 8.065 | HH | 3544   | 57394   | 0.72%  | 0.023%  |
| 123 | 8.076 | 8.065 | 8.085 | HH | 3353   | 38778   | 0.49%  | 0.016%  |
| 124 | 8.106 | 8.085 | 8.138 | HH | 22307  | 353767  | 4.46%  | 0.143%  |
| 125 | 8.165 | 8.138 | 8.184 | HH | 5464   | 111430  | 1.41%  | 0.045%  |
| 126 | 8.201 | 8.184 | 8.215 | HH | 4396   | 69232   | 0.87%  | 0.028%  |
| 127 | 8.241 | 8.215 | 8.267 | HH | 15860  | 269589  | 3.40%  | 0.109%  |
| 128 | 8.277 | 8.267 | 8.304 | HH | 5242   | 94917   | 1.20%  | 0.038%  |
| 129 | 8.333 | 8.304 | 8.373 | HH | 103562 | 1169809 | 14.76% | 0.472%  |
| 130 | 8.392 | 8.373 | 8.418 | HH | 5534   | 122818  | 1.55%  | 0.050%  |
| 131 | 8.441 | 8.418 | 8.453 | HH | 6817   | 116306  | 1.47%  | 0.047%  |
| 132 | 8.485 | 8.453 | 8.501 | HH | 31929  | 466812  | 5.89%  | 0.188%  |
| 133 | 8.519 | 8.501 | 8.567 | HH | 33622  | 564485  | 7.12%  | 0.228%  |
| 134 | 8.595 | 8.567 | 8.613 | HH | 5702   | 126110  | 1.59%  | 0.051%  |
| 135 | 8.635 | 8.613 | 8.661 | HH | 9007   | 164288  | 2.07%  | 0.066%  |
| 136 | 8.704 | 8.661 | 8.724 | HH | 17249  | 332378  | 4.19%  | 0.134%  |
| 137 | 8.766 | 8.724 | 8.806 | HH | 26466  | 576203  | 7.27%  | 0.232%  |
| 138 | 8.830 | 8.806 | 8.851 | HH | 15769  | 250762  | 3.16%  | 0.101%  |
| 139 | 8.868 | 8.851 | 8.880 | HH | 6329   | 100267  | 1.26%  | 0.040%  |
| 140 | 8.898 | 8.880 | 8.925 | HH | 11462  | 204481  | 2.58%  | 0.082%  |
| 141 | 8.951 | 8.925 | 8.972 | HH | 12454  | 235477  | 2.97%  | 0.095%  |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 8.997  | 8.972  | 9.026  | HH | 10616  | 286616  | 3.62%  | 0.116% |
| 143    | 9.041  | 9.026  | 9.075  | HH | 12755  | 244554  | 3.09%  | 0.099% |
| 144    | 9.115  | 9.075  | 9.148  | HH | 8203   | 297108  | 3.75%  | 0.120% |
| 145    | 9.182  | 9.148  | 9.195  | HH | 6158   | 164494  | 2.08%  | 0.066% |
| 146    | 9.208  | 9.195  | 9.250  | HH | 6411   | 204623  | 2.58%  | 0.083% |
| 147    | 9.289  | 9.250  | 9.333  | HH | 9956   | 368389  | 4.65%  | 0.149% |
| 148    | 9.346  | 9.333  | 9.355  | HH | 5726   | 75118   | 0.95%  | 0.030% |
| 149    | 9.389  | 9.355  | 9.413  | HH | 118058 | 1360583 | 17.16% | 0.549% |
| 150    | 9.428  | 9.413  | 9.448  | HH | 13271  | 214364  | 2.70%  | 0.086% |
| 151    | 9.473  | 9.448  | 9.498  | HH | 48537  | 640354  | 8.08%  | 0.258% |
| 152    | 9.530  | 9.498  | 9.568  | HH | 58481  | 926789  | 11.69% | 0.374% |
| 153    | 9.583  | 9.568  | 9.603  | HH | 9154   | 162103  | 2.04%  | 0.065% |
| 154    | 9.643  | 9.603  | 9.656  | HH | 8425   | 232063  | 2.93%  | 0.094% |
| 155    | 9.706  | 9.656  | 9.724  | HH | 14965  | 416436  | 5.25%  | 0.168% |
| 156    | 9.741  | 9.724  | 9.761  | HH | 13491  | 224959  | 2.84%  | 0.091% |
| 157    | 9.844  | 9.761  | 9.861  | HH | 148829 | 2588156 | 32.65% | 1.044% |
| 158    | 9.883  | 9.861  | 9.924  | HH | 47667  | 861255  | 10.86% | 0.347% |
| 159    | 9.943  | 9.924  | 9.959  | HH | 9660   | 189658  | 2.39%  | 0.076% |
| 160    | 9.997  | 9.959  | 10.018 | HH | 15167  | 416376  | 5.25%  | 0.168% |
| 161    | 10.027 | 10.018 | 10.071 | HH | 9449   | 274050  | 3.46%  | 0.110% |
| 162    | 10.091 | 10.071 | 10.126 | HH | 8415   | 258727  | 3.26%  | 0.104% |
| 163    | 10.155 | 10.126 | 10.180 | HH | 8947   | 268119  | 3.38%  | 0.108% |
| 164    | 10.209 | 10.180 | 10.236 | HH | 11647  | 328907  | 4.15%  | 0.133% |
| 165    | 10.256 | 10.236 | 10.277 | HH | 9810   | 222009  | 2.80%  | 0.090% |
| 166    | 10.348 | 10.277 | 10.368 | HH | 11008  | 558394  | 7.04%  | 0.225% |
| 167    | 10.390 | 10.368 | 10.413 | HH | 12247  | 280129  | 3.53%  | 0.113% |
| 168    | 10.458 | 10.413 | 10.471 | HH | 11128  | 361290  | 4.56%  | 0.146% |
| 169    | 10.492 | 10.471 | 10.542 | HH | 17620  | 550486  | 6.94%  | 0.222% |
| 170    | 10.562 | 10.542 | 10.591 | HH | 12869  | 339221  | 4.28%  | 0.137% |
| 171    | 10.606 | 10.591 | 10.627 | HH | 13844  | 255962  | 3.23%  | 0.103% |
| 172    | 10.644 | 10.627 | 10.657 | HH | 11986  | 204405  | 2.58%  | 0.082% |
| 173    | 10.677 | 10.657 | 10.692 | HH | 11828  | 239679  | 3.02%  | 0.097% |
| 174    | 10.740 | 10.692 | 10.762 | HH | 19861  | 590472  | 7.45%  | 0.238% |
| 175    | 10.799 | 10.762 | 10.820 | HH | 19057  | 495611  | 6.25%  | 0.200% |
| 176    | 10.835 | 10.820 | 10.852 | HH | 12484  | 223983  | 2.83%  | 0.090% |
| 177    | 10.867 | 10.852 | 10.879 | HH | 12818  | 197517  | 2.49%  | 0.080% |
| 178    | 10.888 | 10.879 | 10.915 | HH | 12128  | 244711  | 3.09%  | 0.099% |
| 179    | 10.949 | 10.915 | 10.958 | HH | 14293  | 320085  | 4.04%  | 0.129% |
| 180    | 10.974 | 10.958 | 10.994 | HH | 19132  | 331261  | 4.18%  | 0.134% |
| 181    | 11.013 | 10.994 | 11.031 | HH | 16884  | 305094  | 3.85%  | 0.123% |
| 182    | 11.041 | 11.031 | 11.065 | HH | 12809  | 251829  | 3.18%  | 0.102% |
| 183    | 11.085 | 11.065 | 11.103 | HH | 24083  | 398742  | 5.03%  | 0.161% |
| 184    | 11.114 | 11.103 | 11.145 | HH | 15157  | 343647  | 4.34%  | 0.139% |
| 185    | 11.160 | 11.145 | 11.198 | HH | 12352  | 372029  | 4.69%  | 0.150% |
| 186    | 11.255 | 11.198 | 11.284 | HH | 13146  | 614313  | 7.75%  | 0.248% |
| 187    | 11.308 | 11.284 | 11.337 | HH | 13905  | 396441  | 5.00%  | 0.160% |
| 188    | 11.382 | 11.337 | 11.421 | HH | 15465  | 690812  | 8.71%  | 0.279% |
| 189    | 11.440 | 11.421 | 11.455 | HH | 14545  | 277271  | 3.50%  | 0.112% |
| 190    | 11.486 | 11.455 | 11.535 | HH | 154236 | 2310278 | 29.14% | 0.932% |
| 191    | 11.585 | 11.535 | 11.604 | HH | 35767  | 843644  | 10.64% | 0.340% |
| 192    | 11.621 | 11.604 | 11.645 | HH | 32532  | 561472  | 7.08%  | 0.226% |
| 193    | 11.659 | 11.645 | 11.675 | HH | 15947  | 272315  | 3.44%  | 0.110% |
| 194    | 11.691 | 11.675 | 11.710 | HH | 15654  | 313237  | 3.95%  | 0.126% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 11.731 | 11.710 | 11.753 | HH | 18025  | 411000  | 5.18%  | 0.166% |
| 196 | 11.778 | 11.753 | 11.807 | HH | 19647  | 549089  | 6.93%  | 0.221% |
| 197 | 11.832 | 11.807 | 11.855 | HH | 25605  | 561276  | 7.08%  | 0.226% |
| 198 | 11.869 | 11.855 | 11.889 | HH | 17898  | 328564  | 4.14%  | 0.132% |
| 199 | 11.911 | 11.889 | 11.921 | HH | 15587  | 284990  | 3.60%  | 0.115% |
| 200 | 11.942 | 11.921 | 11.957 | HH | 20419  | 380603  | 4.80%  | 0.153% |
| 201 | 11.974 | 11.957 | 11.991 | HH | 21971  | 393179  | 4.96%  | 0.159% |
| 202 | 12.004 | 11.991 | 12.018 | HH | 19044  | 274222  | 3.46%  | 0.111% |
| 203 | 12.034 | 12.018 | 12.048 | HH | 20817  | 334682  | 4.22%  | 0.135% |
| 204 | 12.068 | 12.048 | 12.098 | HH | 23950  | 569459  | 7.18%  | 0.230% |
| 205 | 12.152 | 12.098 | 12.177 | HH | 23111  | 810249  | 10.22% | 0.327% |
| 206 | 12.238 | 12.177 | 12.285 | HH | 117034 | 2478930 | 31.27% | 1.000% |
| 207 | 12.323 | 12.285 | 12.376 | HH | 53581  | 1336232 | 16.86% | 0.539% |
| 208 | 12.406 | 12.376 | 12.433 | HH | 17313  | 569740  | 7.19%  | 0.230% |
| 209 | 12.458 | 12.433 | 12.482 | HH | 19584  | 512318  | 6.46%  | 0.207% |
| 210 | 12.496 | 12.482 | 12.534 | HH | 16502  | 501651  | 6.33%  | 0.202% |
| 211 | 12.584 | 12.534 | 12.648 | HH | 28163  | 1285171 | 16.21% | 0.518% |
| 212 | 12.659 | 12.648 | 12.667 | HH | 16859  | 189590  | 2.39%  | 0.076% |
| 213 | 12.687 | 12.667 | 12.701 | HH | 18138  | 359355  | 4.53%  | 0.145% |
| 214 | 12.726 | 12.701 | 12.760 | HH | 20841  | 640971  | 8.09%  | 0.258% |
| 215 | 12.774 | 12.760 | 12.795 | HH | 17174  | 350280  | 4.42%  | 0.141% |
| 216 | 12.858 | 12.795 | 12.888 | HH | 19482  | 988630  | 12.47% | 0.399% |
| 217 | 12.909 | 12.888 | 12.928 | HH | 19169  | 447000  | 5.64%  | 0.180% |
| 218 | 12.952 | 12.928 | 12.972 | HH | 24655  | 556151  | 7.02%  | 0.224% |
| 219 | 12.986 | 12.972 | 12.998 | HH | 19632  | 295050  | 3.72%  | 0.119% |
| 220 | 13.015 | 12.998 | 13.057 | HH | 20086  | 652144  | 8.23%  | 0.263% |
| 221 | 13.085 | 13.057 | 13.096 | HH | 18636  | 420851  | 5.31%  | 0.170% |
| 222 | 13.133 | 13.096 | 13.158 | HH | 19231  | 705296  | 8.90%  | 0.284% |
| 223 | 13.173 | 13.158 | 13.196 | HH | 18519  | 407946  | 5.15%  | 0.164% |
| 224 | 13.204 | 13.196 | 13.213 | HH | 17855  | 174663  | 2.20%  | 0.070% |
| 225 | 13.259 | 13.213 | 13.291 | HH | 84223  | 1676454 | 21.15% | 0.676% |
| 226 | 13.316 | 13.291 | 13.371 | HH | 22734  | 1008729 | 12.73% | 0.407% |
| 227 | 13.406 | 13.371 | 13.413 | HH | 20742  | 502503  | 6.34%  | 0.203% |
| 228 | 13.437 | 13.413 | 13.453 | HH | 48027  | 775397  | 9.78%  | 0.313% |
| 229 | 13.460 | 13.453 | 13.485 | HH | 29918  | 491492  | 6.20%  | 0.198% |
| 230 | 13.511 | 13.485 | 13.548 | HH | 71319  | 1361905 | 17.18% | 0.549% |
| 231 | 13.576 | 13.548 | 13.594 | HH | 23767  | 598183  | 7.55%  | 0.241% |
| 232 | 13.613 | 13.594 | 13.634 | HH | 25131  | 548913  | 6.92%  | 0.221% |
| 233 | 13.652 | 13.634 | 13.678 | HH | 21560  | 555310  | 7.01%  | 0.224% |
| 234 | 13.685 | 13.678 | 13.702 | HH | 20874  | 289652  | 3.65%  | 0.117% |
| 235 | 13.726 | 13.702 | 13.738 | HH | 21200  | 456336  | 5.76%  | 0.184% |
| 236 | 13.754 | 13.738 | 13.772 | HH | 21383  | 427900  | 5.40%  | 0.173% |
| 237 | 13.812 | 13.772 | 13.826 | HH | 21595  | 677154  | 8.54%  | 0.273% |
| 238 | 13.861 | 13.826 | 13.894 | HH | 26606  | 943868  | 11.91% | 0.381% |
| 239 | 13.921 | 13.894 | 13.957 | HH | 24937  | 841759  | 10.62% | 0.339% |
| 240 | 14.002 | 13.957 | 14.025 | HH | 22460  | 870910  | 10.99% | 0.351% |
| 241 | 14.041 | 14.025 | 14.079 | HH | 22650  | 709537  | 8.95%  | 0.286% |
| 242 | 14.114 | 14.079 | 14.141 | HH | 22802  | 823612  | 10.39% | 0.332% |
| 243 | 14.170 | 14.141 | 14.184 | HH | 26811  | 624844  | 7.88%  | 0.252% |
| 244 | 14.204 | 14.184 | 14.255 | HH | 33533  | 1092464 | 13.78% | 0.440% |
| 245 | 14.281 | 14.255 | 14.310 | HH | 26677  | 785082  | 9.90%  | 0.317% |
| 246 | 14.379 | 14.310 | 14.398 | HH | 23574  | 1194575 | 15.07% | 0.482% |

|     |        |        |        |    |        |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
|     |        |        |        |    | rteres |         |         |        |
| 247 | 14.407 | 14.398 | 14.426 | HH | 23359  | 378029  | 4.77%   | 0.152% |
| 248 | 14.443 | 14.426 | 14.461 | HH | 23453  | 498848  | 6.29%   | 0.201% |
| 249 | 14.476 | 14.461 | 14.503 | HH | 23946  | 579925  | 7.32%   | 0.234% |
| 250 | 14.523 | 14.503 | 14.542 | HH | 25406  | 561214  | 7.08%   | 0.226% |
| 251 | 14.557 | 14.542 | 14.579 | HH | 23732  | 511513  | 6.45%   | 0.206% |
| 252 | 14.610 | 14.579 | 14.631 | HH | 23554  | 738368  | 9.31%   | 0.298% |
| 253 | 14.643 | 14.631 | 14.650 | HH | 23425  | 258830  | 3.27%   | 0.104% |
| 254 | 14.717 | 14.650 | 14.748 | HH | 506933 | 7927062 | 100.00% | 3.196% |
| 255 | 14.760 | 14.748 | 14.797 | HH | 27456  | 751187  | 9.48%   | 0.303% |
| 256 | 14.809 | 14.797 | 14.842 | HH | 24174  | 635678  | 8.02%   | 0.256% |
| 257 | 14.896 | 14.842 | 14.925 | HH | 25901  | 1222982 | 15.43%  | 0.493% |
| 258 | 14.939 | 14.925 | 14.948 | HH | 25638  | 353340  | 4.46%   | 0.142% |
| 259 | 14.960 | 14.948 | 14.999 | HH | 26038  | 751901  | 9.49%   | 0.303% |
| 260 | 15.012 | 14.999 | 15.030 | HH | 24450  | 449779  | 5.67%   | 0.181% |
| 261 | 15.048 | 15.030 | 15.067 | HH | 24811  | 537257  | 6.78%   | 0.217% |
| 262 | 15.099 | 15.067 | 15.130 | HH | 25787  | 929469  | 11.73%  | 0.375% |
| 263 | 15.148 | 15.130 | 15.172 | HH | 24738  | 603864  | 7.62%   | 0.243% |
| 264 | 15.182 | 15.172 | 15.203 | HH | 24430  | 450626  | 5.68%   | 0.182% |
| 265 | 15.215 | 15.203 | 15.231 | HH | 23581  | 399765  | 5.04%   | 0.161% |
| 266 | 15.253 | 15.231 | 15.262 | HH | 25638  | 457579  | 5.77%   | 0.184% |
| 267 | 15.295 | 15.262 | 15.365 | HH | 237946 | 4413870 | 55.68%  | 1.780% |
| 268 | 15.390 | 15.365 | 15.418 | HH | 25327  | 802363  | 10.12%  | 0.324% |
| 269 | 15.436 | 15.418 | 15.471 | HH | 27112  | 825046  | 10.41%  | 0.333% |
| 270 | 15.511 | 15.471 | 15.581 | HH | 35170  | 1761644 | 22.22%  | 0.710% |
| 271 | 15.595 | 15.581 | 15.620 | HH | 24513  | 557920  | 7.04%   | 0.225% |
| 272 | 15.684 | 15.620 | 15.701 | HH | 24983  | 1198529 | 15.12%  | 0.483% |
| 273 | 15.712 | 15.701 | 15.748 | HH | 24507  | 686436  | 8.66%   | 0.277% |
| 274 | 15.760 | 15.748 | 15.776 | HH | 24464  | 399203  | 5.04%   | 0.161% |
| 275 | 15.810 | 15.776 | 15.838 | HH | 29492  | 975346  | 12.30%  | 0.393% |
| 276 | 15.848 | 15.838 | 15.872 | HH | 24473  | 499171  | 6.30%   | 0.201% |
| 277 | 15.882 | 15.872 | 15.913 | HH | 24320  | 588587  | 7.43%   | 0.237% |
| 278 | 15.935 | 15.913 | 15.974 | HH | 26036  | 896948  | 11.32%  | 0.362% |
| 279 | 15.999 | 15.974 | 16.035 | HH | 24457  | 872841  | 11.01%  | 0.352% |
| 280 | 16.049 | 16.035 | 16.088 | HH | 24199  | 763189  | 9.63%   | 0.308% |
| 281 | 16.105 | 16.088 | 16.121 | HH | 24198  | 477186  | 6.02%   | 0.192% |
| 282 | 16.134 | 16.121 | 16.157 | HH | 24506  | 515502  | 6.50%   | 0.208% |
| 283 | 16.176 | 16.157 | 16.198 | HH | 24101  | 582965  | 7.35%   | 0.235% |
| 284 | 16.234 | 16.198 | 16.248 | HH | 24846  | 734511  | 9.27%   | 0.296% |
| 285 | 16.263 | 16.248 | 16.278 | HH | 24751  | 432312  | 5.45%   | 0.174% |
| 286 | 16.306 | 16.278 | 16.351 | HH | 41012  | 1313479 | 16.57%  | 0.530% |
| 287 | 16.379 | 16.351 | 16.400 | HH | 28290  | 758567  | 9.57%   | 0.306% |
| 288 | 16.417 | 16.400 | 16.443 | HH | 27142  | 658176  | 8.30%   | 0.265% |
| 289 | 16.456 | 16.443 | 16.466 | HH | 24125  | 333292  | 4.20%   | 0.134% |
| 290 | 16.496 | 16.466 | 16.550 | HH | 26189  | 1237682 | 15.61%  | 0.499% |
| 291 | 16.586 | 16.550 | 16.616 | HH | 25184  | 969680  | 12.23%  | 0.391% |
| 292 | 16.629 | 16.616 | 16.639 | HH | 23921  | 330863  | 4.17%   | 0.133% |
| 293 | 16.671 | 16.639 | 16.734 | HH | 29845  | 1489368 | 18.79%  | 0.601% |
| 294 | 16.752 | 16.734 | 16.767 | HH | 25020  | 484219  | 6.11%   | 0.195% |
| 295 | 16.783 | 16.767 | 16.832 | HH | 25287  | 967568  | 12.21%  | 0.390% |
| 296 | 16.882 | 16.832 | 16.905 | HH | 28953  | 1135129 | 14.32%  | 0.458% |
| 297 | 16.931 | 16.905 | 16.948 | HH | 27588  | 675865  | 8.53%   | 0.273% |
| 298 | 16.959 | 16.948 | 17.002 | HH | 26078  | 787604  | 9.94%   | 0.318% |
| 299 | 17.011 | 17.002 | 17.023 | HH | 23972  | 304901  | 3.85%   | 0.123% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 300 | 17.031 | 17.023 | 17.048 | HH | 23800  | 357185  | 4.51%  | 0.144% |
| 301 | 17.077 | 17.048 | 17.108 | HH | 23991  | 851554  | 10.74% | 0.343% |
| 302 | 17.122 | 17.108 | 17.133 | HH | 24142  | 361398  | 4.56%  | 0.146% |
| 303 | 17.148 | 17.133 | 17.161 | HH | 24138  | 390237  | 4.92%  | 0.157% |
| 304 | 17.173 | 17.161 | 17.191 | HH | 24004  | 443488  | 5.59%  | 0.179% |
| 305 | 17.248 | 17.191 | 17.291 | HH | 31324  | 1557201 | 19.64% | 0.628% |
| 306 | 17.330 | 17.291 | 17.371 | HH | 34514  | 1315733 | 16.60% | 0.531% |
| 307 | 17.419 | 17.371 | 17.478 | HH | 26834  | 1591646 | 20.08% | 0.642% |
| 308 | 17.511 | 17.478 | 17.525 | HH | 24468  | 680428  | 8.58%  | 0.274% |
| 309 | 17.611 | 17.525 | 17.633 | HH | 25727  | 1609475 | 20.30% | 0.649% |
| 310 | 17.643 | 17.633 | 17.657 | HH | 25308  | 364251  | 4.60%  | 0.147% |
| 311 | 17.720 | 17.657 | 17.741 | HH | 29936  | 1399565 | 17.66% | 0.564% |
| 312 | 17.769 | 17.741 | 17.804 | HH | 34539  | 1106978 | 13.96% | 0.446% |
| 313 | 17.853 | 17.804 | 17.895 | HH | 36290  | 1559269 | 19.67% | 0.629% |
| 314 | 17.921 | 17.895 | 17.935 | HH | 26007  | 619720  | 7.82%  | 0.250% |
| 315 | 18.003 | 17.935 | 18.025 | HH | 29459  | 1457303 | 18.38% | 0.588% |
| 316 | 18.040 | 18.025 | 18.056 | HH | 27216  | 501193  | 6.32%  | 0.202% |
| 317 | 18.127 | 18.056 | 18.168 | HH | 101150 | 3018631 | 38.08% | 1.217% |
| 318 | 18.193 | 18.168 | 18.228 | HH | 39684  | 1181720 | 14.91% | 0.476% |
| 319 | 18.293 | 18.228 | 18.303 | HH | 28593  | 1267637 | 15.99% | 0.511% |
| 320 | 18.330 | 18.303 | 18.368 | HH | 33667  | 1172438 | 14.79% | 0.473% |
| 321 | 18.406 | 18.368 | 18.417 | HH | 29222  | 845627  | 10.67% | 0.341% |
| 322 | 18.488 | 18.417 | 18.509 | HH | 30653  | 1638845 | 20.67% | 0.661% |
| 323 | 18.547 | 18.509 | 18.563 | HH | 33229  | 1013531 | 12.79% | 0.409% |
| 324 | 18.593 | 18.563 | 18.654 | HH | 42759  | 1897142 | 23.93% | 0.765% |
| 325 | 18.725 | 18.654 | 18.805 | HH | 108546 | 4240036 | 53.49% | 1.710% |
| 326 | 18.839 | 18.805 | 18.851 | HH | 34360  | 938329  | 11.84% | 0.378% |
| 327 | 18.871 | 18.851 | 18.901 | HH | 34626  | 1011264 | 12.76% | 0.408% |
| 328 | 18.953 | 18.901 | 18.985 | HH | 69989  | 2315260 | 29.21% | 0.934% |
| 329 | 19.013 | 18.985 | 19.044 | HH | 42758  | 1395516 | 17.60% | 0.563% |
| 330 | 19.075 | 19.044 | 19.118 | HH | 37426  | 1619250 | 20.43% | 0.653% |
| 331 | 19.162 | 19.118 | 19.181 | HH | 38088  | 1439106 | 18.15% | 0.580% |
| 332 | 19.218 | 19.181 | 19.245 | HH | 39914  | 1462995 | 18.46% | 0.590% |
| 333 | 19.254 | 19.245 | 19.265 | HH | 38161  | 456367  | 5.76%  | 0.184% |
| 334 | 19.297 | 19.265 | 19.311 | HH | 39410  | 1079305 | 13.62% | 0.435% |
| 335 | 19.383 | 19.311 | 19.410 | HH | 42554  | 2389056 | 30.14% | 0.963% |
| 336 | 19.453 | 19.410 | 19.470 | HH | 44490  | 1513045 | 19.09% | 0.610% |
| 337 | 19.491 | 19.470 | 19.522 | HH | 45405  | 1353728 | 17.08% | 0.546% |
| 338 | 19.561 | 19.522 | 19.591 | HH | 46178  | 1834553 | 23.14% | 0.740% |
| 339 | 19.673 | 19.591 | 19.696 | HH | 45436  | 2757721 | 34.79% | 1.112% |
| 340 | 19.751 | 19.696 | 19.777 | HH | 53255  | 2403810 | 30.32% | 0.969% |
| 341 | 19.791 | 19.777 | 19.821 | HH | 48040  | 1270801 | 16.03% | 0.512% |
| 342 | 19.988 | 19.821 | 20.016 | HH | 53759  | 5858447 | 73.90% | 2.362% |
| 343 | 20.025 | 20.016 | 20.045 | HH | 52277  | 900298  | 11.36% | 0.363% |
| 344 | 20.123 | 20.045 | 20.142 | HH | 56195  | 3150021 | 39.74% | 1.270% |
| 345 | 20.172 | 20.142 | 20.184 | HH | 56121  | 1403893 | 17.71% | 0.566% |
| 346 | 20.395 | 20.184 | 20.408 | HH | 61713  | 7898093 | 99.63% | 3.185% |
| 347 | 20.474 | 20.408 | 20.498 | HH | 64722  | 3410575 | 43.02% | 1.375% |
| 348 | 20.514 | 20.498 | 20.555 | HH | 63639  | 2159508 | 27.24% | 0.871% |
| 349 | 20.583 | 20.555 | 20.603 | HH | 64050  | 1852399 | 23.37% | 0.747% |
| 350 | 20.641 | 20.603 | 20.705 | HH | 64672  | 3910601 | 49.33% | 1.577% |
| 351 | 20.743 | 20.705 | 20.781 | HH | 63849  | 2930810 | 36.97% | 1.182% |

|     |        |        |        |     |       |                         |           |        |
|-----|--------|--------|--------|-----|-------|-------------------------|-----------|--------|
|     |        |        |        |     |       | rteres                  |           |        |
| 352 | 20.807 | 20.781 | 20.838 | HH  | 63852 | 2166991                 | 27.34%    | 0.874% |
| 353 | 20.867 | 20.838 | 20.914 | HH  | 64875 | 2928635                 | 36.94%    | 1.181% |
| 354 | 20.930 | 20.914 | 20.968 | HH  | 63841 | 2062471                 | 26.02%    | 0.832% |
| 355 | 20.992 | 20.968 | 21.001 | HH  | 63779 | 1237265                 | 15.61%    | 0.499% |
| 356 | 21.013 | 21.001 | 21.046 | HH  | 63778 | 1740150                 | 21.95%    | 0.702% |
| 357 | 21.080 | 21.046 | 21.100 | HH  | 63548 | 2044588                 | 25.79%    | 0.824% |
| 358 | 21.107 | 21.100 | 21.131 | HH  | 63445 | 1206604                 | 15.22%    | 0.487% |
| 359 | 21.195 | 21.131 | 21.246 | HH  | 63853 | 4374288                 | 55.18%    | 1.764% |
| 360 | 21.306 | 21.246 | 21.401 | HH  | 64123 | 5928044                 | 74.78%    | 2.390% |
| 361 | 21.434 | 21.401 | 21.475 | HH  | 63384 | 2805249                 | 35.39%    | 1.131% |
| 362 | 21.546 | 21.475 | 21.612 | HH  | 63432 | 5193415                 | 65.52%    | 2.094% |
| 363 | 21.630 | 21.612 | 21.675 | HH  | 63096 | 2361294                 | 29.79%    | 0.952% |
| 364 | 21.691 | 21.675 | 21.738 | HH  | 63165 | 2395826                 | 30.22%    | 0.966% |
| 365 | 21.808 | 21.738 | 21.882 | HH  | 63842 | 5456658                 | 68.84%    | 2.200% |
| 366 | 21.891 | 21.882 | 21.901 | HHA | 63137 | 813110                  | 10.26%    | 0.328% |
|     |        |        |        |     |       | Sum of corrected areas: | 248013875 |        |

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