

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC091619AL\  
 Data File : FC043497.D  
 Signal(s) : FID1A.CH  
 Acq On : 16 Sep 2019 15:32  
 Sample : K4857-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 091619.M  
 Title : GC Extractables

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         | 3.460       | 3.442        | 3.476      | BH       | 14126          | 113543       | 1.87%          | 0.040%        |
| 2         | 3.567       | 3.547        | 3.579      | PH       | 6527           | 53655        | 0.88%          | 0.019%        |
| 3         | 3.589       | 3.579        | 3.604      | HH       | 6161           | 50173        | 0.83%          | 0.018%        |
| 4         | 3.633       | 3.604        | 3.667      | PH       | 7060           | 107602       | 1.77%          | 0.038%        |
| 5         | 3.680       | 3.667        | 3.688      | PH       | 2021           | 8902         | 0.15%          | 0.003%        |
| 6         | 3.709       | 3.688        | 3.736      | HH       | 14927          | 178658       | 2.94%          | 0.064%        |
| 7         | 3.765       | 3.736        | 3.777      | PH       | 6154           | 69135        | 1.14%          | 0.025%        |
| 8         | 3.823       | 3.777        | 3.851      | HH       | 9270           | 263434       | 4.34%          | 0.094%        |
| 9         | 3.878       | 3.851        | 3.892      | HH       | 18143          | 206995       | 3.41%          | 0.074%        |
| 10        | 3.901       | 3.892        | 3.915      | HH       | 7101           | 55646        | 0.92%          | 0.020%        |
| 11        | 3.930       | 3.915        | 3.958      | PH       | 8147           | 83621        | 1.38%          | 0.030%        |
| 12        | 3.976       | 3.958        | 3.994      | PH       | 20434          | 158864       | 2.61%          | 0.057%        |
| 13        | 4.021       | 3.994        | 4.070      | PH       | 11973          | 246763       | 4.06%          | 0.088%        |
| 14        | 4.093       | 4.070        | 4.115      | PH       | 7514           | 85345        | 1.40%          | 0.030%        |
| 15        | 4.131       | 4.115        | 4.149      | HH       | 7603           | 114417       | 1.88%          | 0.041%        |
| 16        | 4.163       | 4.149        | 4.182      | HH       | 13609          | 174635       | 2.87%          | 0.062%        |
| 17        | 4.195       | 4.182        | 4.229      | HH       | 9855           | 127420       | 2.10%          | 0.045%        |
| 18        | 4.243       | 4.229        | 4.254      | HH       | 5649           | 58877        | 0.97%          | 0.021%        |
| 19        | 4.276       | 4.254        | 4.288      | HH       | 10346          | 152924       | 2.52%          | 0.054%        |
| 20        | 4.304       | 4.288        | 4.328      | HH       | 15271          | 222238       | 3.66%          | 0.079%        |
| 21        | 4.341       | 4.328        | 4.378      | HH       | 10906          | 133622       | 2.20%          | 0.048%        |
| 22        | 4.412       | 4.378        | 4.430      | PH       | 12859          | 175013       | 2.88%          | 0.062%        |
| 23        | 4.454       | 4.430        | 4.474      | HH       | 8014           | 170756       | 2.81%          | 0.061%        |
| 24        | 4.492       | 4.474        | 4.525      | HH       | 7890           | 211542       | 3.48%          | 0.075%        |
| 25        | 4.536       | 4.525        | 4.548      | HH       | 6733           | 72944        | 1.20%          | 0.026%        |
| 26        | 4.564       | 4.548        | 4.621      | HH       | 11415          | 227793       | 3.75%          | 0.081%        |
| 27        | 4.649       | 4.621        | 4.675      | HH       | 11069          | 222492       | 3.66%          | 0.079%        |
| 28        | 4.692       | 4.675        | 4.707      | HH       | 24780          | 282617       | 4.65%          | 0.101%        |
| 29        | 4.717       | 4.707        | 4.730      | HH       | 13802          | 156070       | 2.57%          | 0.056%        |
| 30        | 4.743       | 4.730        | 4.760      | HH       | 17518          | 206226       | 3.39%          | 0.073%        |
| 31        | 4.775       | 4.760        | 4.787      | HH       | 11776          | 153193       | 2.52%          | 0.055%        |
| 32        | 4.795       | 4.787        | 4.809      | HH       | 10389          | 123082       | 2.03%          | 0.044%        |
| 33        | 4.821       | 4.809        | 4.846      | HH       | 12690          | 189237       | 3.11%          | 0.067%        |
| 34        | 4.862       | 4.846        | 4.880      | HH       | 14318          | 195633       | 3.22%          | 0.070%        |
| 35        | 4.899       | 4.880        | 4.923      | HH       | 26523          | 349192       | 5.75%          | 0.124%        |
| 36        | 4.934       | 4.923        | 4.945      | HH       | 7806           | 90209        | 1.48%          | 0.032%        |

| rteres |       |       |       |    |       |        |        |        |
|--------|-------|-------|-------|----|-------|--------|--------|--------|
| 37     | 4.966 | 4.945 | 4.989 | HH | 28131 | 373613 | 6.15%  | 0.133% |
| 38     | 5.008 | 4.989 | 5.023 | HH | 9784  | 162201 | 2.67%  | 0.058% |
| 39     | 5.050 | 5.023 | 5.068 | HH | 8943  | 188010 | 3.09%  | 0.067% |
| 40     | 5.114 | 5.068 | 5.130 | HH | 15521 | 300441 | 4.94%  | 0.107% |
| 41     | 5.137 | 5.130 | 5.157 | HH | 8064  | 104395 | 1.72%  | 0.037% |
| 42     | 5.179 | 5.157 | 5.192 | HH | 13385 | 177201 | 2.92%  | 0.063% |
| 43     | 5.207 | 5.192 | 5.267 | HH | 21110 | 601655 | 9.90%  | 0.214% |
| 44     | 5.290 | 5.267 | 5.306 | HH | 9438  | 176299 | 2.90%  | 0.063% |
| 45     | 5.324 | 5.306 | 5.349 | HH | 12566 | 258361 | 4.25%  | 0.092% |
| 46     | 5.360 | 5.349 | 5.369 | HH | 11022 | 120709 | 1.99%  | 0.043% |
| 47     | 5.381 | 5.369 | 5.396 | HH | 12210 | 169544 | 2.79%  | 0.060% |
| 48     | 5.414 | 5.396 | 5.429 | HH | 29008 | 348471 | 5.74%  | 0.124% |
| 49     | 5.441 | 5.429 | 5.494 | HH | 14987 | 413470 | 6.80%  | 0.147% |
| 50     | 5.521 | 5.494 | 5.532 | HH | 13813 | 251603 | 4.14%  | 0.090% |
| 51     | 5.548 | 5.532 | 5.567 | HH | 26334 | 348378 | 5.73%  | 0.124% |
| 52     | 5.583 | 5.567 | 5.623 | HH | 22746 | 422266 | 6.95%  | 0.150% |
| 53     | 5.752 | 5.736 | 5.786 | HH | 14377 | 367101 | 6.04%  | 0.131% |
| 54     | 5.814 | 5.786 | 5.843 | HH | 14841 | 397651 | 6.54%  | 0.142% |
| 55     | 5.861 | 5.843 | 5.872 | HH | 11585 | 169535 | 2.79%  | 0.060% |
| 56     | 5.886 | 5.872 | 5.894 | HH | 11761 | 144085 | 2.37%  | 0.051% |
| 57     | 5.919 | 5.894 | 5.947 | HH | 17508 | 421524 | 6.94%  | 0.150% |
| 58     | 5.966 | 5.947 | 5.991 | HH | 12861 | 267400 | 4.40%  | 0.095% |
| 59     | 6.031 | 5.991 | 6.055 | HH | 24710 | 632871 | 10.42% | 0.226% |
| 60     | 6.066 | 6.055 | 6.080 | HH | 13188 | 179536 | 2.95%  | 0.064% |
| 61     | 6.109 | 6.080 | 6.123 | HH | 18001 | 357725 | 5.89%  | 0.127% |
| 62     | 6.134 | 6.123 | 6.143 | HH | 16328 | 177121 | 2.92%  | 0.063% |
| 63     | 6.163 | 6.143 | 6.183 | HH | 27767 | 486067 | 8.00%  | 0.173% |
| 64     | 6.208 | 6.183 | 6.224 | HH | 23014 | 431626 | 7.10%  | 0.154% |
| 65     | 6.251 | 6.224 | 6.271 | HH | 22240 | 532814 | 8.77%  | 0.190% |
| 66     | 6.302 | 6.271 | 6.318 | HH | 22180 | 495688 | 8.16%  | 0.177% |
| 67     | 6.331 | 6.318 | 6.347 | HH | 16305 | 262637 | 4.32%  | 0.094% |
| 68     | 6.368 | 6.347 | 6.386 | HH | 21317 | 392715 | 6.46%  | 0.140% |
| 69     | 6.417 | 6.386 | 6.433 | HH | 27051 | 572057 | 9.41%  | 0.204% |
| 70     | 6.447 | 6.433 | 6.462 | HH | 28583 | 406109 | 6.68%  | 0.145% |
| 71     | 6.486 | 6.462 | 6.529 | HH | 24085 | 761662 | 12.54% | 0.271% |
| 72     | 6.545 | 6.529 | 6.565 | HH | 19718 | 358211 | 5.90%  | 0.128% |
| 73     | 6.584 | 6.565 | 6.595 | HH | 23343 | 338028 | 5.56%  | 0.120% |
| 74     | 6.603 | 6.595 | 6.612 | HH | 21004 | 208879 | 3.44%  | 0.074% |
| 75     | 6.631 | 6.612 | 6.655 | HH | 32018 | 655359 | 10.79% | 0.234% |
| 76     | 6.679 | 6.655 | 6.726 | HH | 32315 | 958990 | 15.78% | 0.342% |
| 77     | 6.753 | 6.726 | 6.782 | HH | 26839 | 675752 | 11.12% | 0.241% |
| 78     | 6.812 | 6.782 | 6.833 | HH | 28152 | 693902 | 11.42% | 0.247% |
| 79     | 6.850 | 6.833 | 6.865 | HH | 23682 | 404710 | 6.66%  | 0.144% |
| 80     | 6.893 | 6.865 | 6.916 | HH | 25514 | 702457 | 11.56% | 0.250% |
| 81     | 6.948 | 6.916 | 6.965 | HH | 28861 | 700474 | 11.53% | 0.250% |
| 82     | 6.982 | 6.965 | 6.996 | HH | 33848 | 526475 | 8.66%  | 0.188% |
| 83     | 7.007 | 6.996 | 7.021 | HH | 29631 | 406912 | 6.70%  | 0.145% |
| 84     | 7.039 | 7.021 | 7.067 | HH | 35168 | 815305 | 13.42% | 0.291% |
| 85     | 7.099 | 7.067 | 7.112 | HH | 28250 | 687941 | 11.32% | 0.245% |
| 86     | 7.136 | 7.112 | 7.157 | HH | 33097 | 750401 | 12.35% | 0.267% |
| 87     | 7.181 | 7.157 | 7.191 | HH | 40539 | 637446 | 10.49% | 0.227% |
| 88     | 7.200 | 7.191 | 7.226 | HH | 40860 | 693040 | 11.41% | 0.247% |
| 89     | 7.235 | 7.226 | 7.250 | HH | 27324 | 350272 | 5.76%  | 0.125% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 90  | 7.284  | 7.250  | 7.301  | HH | 38278  | 904074  | 14.88% | 0.322% |
| 91  | 7.311  | 7.301  | 7.343  | HH | 28685  | 673063  | 11.08% | 0.240% |
| 92  | 7.368  | 7.343  | 7.381  | HH | 33258  | 665840  | 10.96% | 0.237% |
| 93  | 7.400  | 7.381  | 7.434  | HH | 50346  | 1160814 | 19.10% | 0.414% |
| 94  | 7.453  | 7.434  | 7.478  | HH | 31653  | 769660  | 12.67% | 0.274% |
| 95  | 7.492  | 7.478  | 7.509  | HH | 32264  | 543371  | 8.94%  | 0.194% |
| 96  | 7.533  | 7.509  | 7.544  | HH | 29655  | 584664  | 9.62%  | 0.208% |
| 97  | 7.582  | 7.544  | 7.645  | HH | 41162  | 1879723 | 30.94% | 0.670% |
| 98  | 7.659  | 7.645  | 7.671  | HH | 28891  | 401614  | 6.61%  | 0.143% |
| 99  | 7.835  | 7.806  | 7.862  | HH | 50459  | 1345543 | 22.14% | 0.479% |
| 100 | 7.878  | 7.862  | 7.896  | HH | 38772  | 712074  | 11.72% | 0.254% |
| 101 | 7.916  | 7.896  | 7.937  | HH | 34151  | 794010  | 13.07% | 0.283% |
| 102 | 8.081  | 8.056  | 8.098  | HH | 50313  | 1023703 | 16.85% | 0.365% |
| 103 | 8.113  | 8.098  | 8.128  | HH | 42215  | 717573  | 11.81% | 0.256% |
| 104 | 8.146  | 8.128  | 8.166  | HH | 45188  | 928413  | 15.28% | 0.331% |
| 105 | 8.175  | 8.166  | 8.185  | HH | 35541  | 406980  | 6.70%  | 0.145% |
| 106 | 8.210  | 8.185  | 8.228  | HH | 50374  | 1083322 | 17.83% | 0.386% |
| 107 | 8.308  | 8.296  | 8.324  | HH | 41372  | 647999  | 10.66% | 0.231% |
| 108 | 8.347  | 8.324  | 8.369  | HH | 46506  | 1106865 | 18.22% | 0.394% |
| 109 | 8.376  | 8.369  | 8.400  | HH | 41210  | 720866  | 11.86% | 0.257% |
| 110 | 8.485  | 8.466  | 8.500  | HH | 44105  | 780643  | 12.85% | 0.278% |
| 111 | 8.514  | 8.500  | 8.569  | HH | 41400  | 1516409 | 24.96% | 0.540% |
| 112 | 8.652  | 8.632  | 8.674  | HH | 61781  | 1307330 | 21.52% | 0.466% |
| 113 | 8.684  | 8.674  | 8.698  | HH | 42023  | 559757  | 9.21%  | 0.199% |
| 114 | 8.757  | 8.741  | 8.767  | HH | 44754  | 659498  | 10.85% | 0.235% |
| 115 | 8.833  | 8.814  | 8.854  | HH | 36617  | 818739  | 13.47% | 0.292% |
| 116 | 8.874  | 8.854  | 8.898  | HH | 41511  | 941363  | 15.49% | 0.335% |
| 117 | 8.921  | 8.898  | 8.972  | HH | 41458  | 1631172 | 26.85% | 0.581% |
| 118 | 9.003  | 8.972  | 9.034  | HH | 37271  | 1189563 | 19.58% | 0.424% |
| 119 | 9.128  | 9.109  | 9.147  | HH | 39090  | 792437  | 13.04% | 0.282% |
| 120 | 9.157  | 9.147  | 9.190  | HH | 34603  | 766987  | 12.62% | 0.273% |
| 121 | 9.207  | 9.190  | 9.221  | HH | 26195  | 468171  | 7.71%  | 0.167% |
| 122 | 9.240  | 9.221  | 9.264  | HH | 37173  | 754771  | 12.42% | 0.269% |
| 123 | 9.283  | 9.264  | 9.301  | HH | 33060  | 627803  | 10.33% | 0.224% |
| 124 | 9.309  | 9.301  | 9.344  | HH | 28508  | 659982  | 10.86% | 0.235% |
| 125 | 9.380  | 9.344  | 9.427  | HH | 37237  | 1460848 | 24.04% | 0.521% |
| 126 | 9.445  | 9.427  | 9.455  | HH | 32824  | 469880  | 7.73%  | 0.167% |
| 127 | 9.467  | 9.455  | 9.502  | HH | 34645  | 813027  | 13.38% | 0.290% |
| 128 | 9.538  | 9.502  | 9.564  | HH | 36596  | 1078028 | 17.74% | 0.384% |
| 129 | 9.573  | 9.564  | 9.591  | HH | 25900  | 388384  | 6.39%  | 0.138% |
| 130 | 9.607  | 9.591  | 9.618  | HH | 25139  | 386816  | 6.37%  | 0.138% |
| 131 | 9.631  | 9.618  | 9.652  | HH | 25444  | 489561  | 8.06%  | 0.174% |
| 132 | 9.684  | 9.652  | 9.726  | HH | 26010  | 972195  | 16.00% | 0.346% |
| 133 | 9.733  | 9.726  | 9.749  | HH | 18993  | 258330  | 4.25%  | 0.092% |
| 134 | 9.763  | 9.749  | 9.776  | HH | 19552  | 306695  | 5.05%  | 0.109% |
| 135 | 9.804  | 9.776  | 9.826  | HH | 24493  | 680193  | 11.19% | 0.242% |
| 136 | 9.927  | 9.917  | 9.937  | HH | 18686  | 219428  | 3.61%  | 0.078% |
| 137 | 9.951  | 9.937  | 9.964  | HH | 18488  | 290390  | 4.78%  | 0.103% |
| 138 | 9.973  | 9.964  | 10.004 | HH | 17940  | 396231  | 6.52%  | 0.141% |
| 139 | 10.049 | 10.004 | 10.105 | HH | 18921  | 999402  | 16.45% | 0.356% |
| 140 | 10.120 | 10.105 | 10.140 | HH | 15005  | 295615  | 4.87%  | 0.105% |
| 141 | 10.164 | 10.140 | 10.176 | HH | 14636  | 300296  | 4.94%  | 0.107% |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 142 | 10.195 | 10.176 | 10.209 | HH | 20819  | 368553  | 6.07%   | 0.131% |
| 143 | 10.231 | 10.209 | 10.262 | HH | 34232  | 722447  | 11.89%  | 0.257% |
| 144 | 10.300 | 10.262 | 10.310 | HH | 22141  | 514169  | 8.46%   | 0.183% |
| 145 | 10.321 | 10.310 | 10.351 | HH | 22154  | 466757  | 7.68%   | 0.166% |
| 146 | 10.374 | 10.351 | 10.415 | HH | 28260  | 797859  | 13.13%  | 0.284% |
| 147 | 10.493 | 10.415 | 10.534 | HH | 23750  | 1468405 | 24.17%  | 0.523% |
| 148 | 10.749 | 10.729 | 10.773 | HH | 18954  | 443748  | 7.30%   | 0.158% |
| 149 | 10.808 | 10.773 | 10.842 | HH | 18811  | 673392  | 11.08%  | 0.240% |
| 150 | 10.885 | 10.842 | 10.936 | HH | 19692  | 966943  | 15.91%  | 0.345% |
| 151 | 10.969 | 10.936 | 11.012 | HH | 18234  | 723583  | 11.91%  | 0.258% |
| 152 | 11.031 | 11.012 | 11.067 | HH | 16373  | 485838  | 8.00%   | 0.173% |
| 153 | 11.084 | 11.067 | 11.136 | HH | 16379  | 610574  | 10.05%  | 0.218% |
| 154 | 11.165 | 11.136 | 11.185 | HH | 18044  | 473799  | 7.80%   | 0.169% |
| 155 | 11.205 | 11.185 | 11.229 | HH | 18308  | 457465  | 7.53%   | 0.163% |
| 156 | 11.366 | 11.302 | 11.416 | HH | 32490  | 1351299 | 22.24%  | 0.481% |
| 157 | 11.428 | 11.416 | 11.456 | HH | 16134  | 369781  | 6.09%   | 0.132% |
| 158 | 11.502 | 11.456 | 11.522 | HH | 17616  | 616217  | 10.14%  | 0.220% |
| 159 | 11.536 | 11.522 | 11.551 | HH | 17625  | 296689  | 4.88%   | 0.106% |
| 160 | 11.598 | 11.551 | 11.640 | HH | 506473 | 6076110 | 100.00% | 2.165% |
| 161 | 11.660 | 11.640 | 11.679 | HH | 29468  | 575694  | 9.47%   | 0.205% |
| 162 | 11.695 | 11.679 | 11.745 | HH | 25953  | 850484  | 14.00%  | 0.303% |
| 163 | 11.754 | 11.745 | 11.767 | HH | 18032  | 236765  | 3.90%   | 0.084% |
| 164 | 11.781 | 11.767 | 11.792 | HH | 19668  | 281988  | 4.64%   | 0.100% |
| 165 | 11.809 | 11.792 | 11.826 | HH | 22939  | 417497  | 6.87%   | 0.149% |
| 166 | 11.843 | 11.826 | 11.892 | HH | 22988  | 747216  | 12.30%  | 0.266% |
| 167 | 11.940 | 11.892 | 11.974 | HH | 53146  | 1273883 | 20.97%  | 0.454% |
| 168 | 11.986 | 11.974 | 12.000 | HH | 17175  | 261180  | 4.30%   | 0.093% |
| 169 | 12.018 | 12.000 | 12.047 | HH | 17287  | 456225  | 7.51%   | 0.163% |
| 170 | 12.066 | 12.047 | 12.117 | HH | 15645  | 611723  | 10.07%  | 0.218% |
| 171 | 12.146 | 12.117 | 12.181 | HH | 16543  | 577564  | 9.51%   | 0.206% |
| 172 | 12.211 | 12.181 | 12.253 | HH | 18005  | 706553  | 11.63%  | 0.252% |
| 173 | 12.270 | 12.253 | 12.292 | HH | 16731  | 371521  | 6.11%   | 0.132% |
| 174 | 12.318 | 12.292 | 12.336 | HH | 17198  | 425045  | 7.00%   | 0.151% |
| 175 | 12.349 | 12.336 | 12.364 | HH | 18097  | 290940  | 4.79%   | 0.104% |
| 176 | 12.398 | 12.364 | 12.420 | HH | 22477  | 618427  | 10.18%  | 0.220% |
| 177 | 12.444 | 12.420 | 12.522 | HH | 24421  | 1191312 | 19.61%  | 0.424% |
| 178 | 12.547 | 12.522 | 12.557 | HH | 36078  | 575360  | 9.47%   | 0.205% |
| 179 | 12.574 | 12.557 | 12.604 | HH | 59858  | 1052311 | 17.32%  | 0.375% |
| 180 | 12.614 | 12.604 | 12.649 | HH | 21827  | 525457  | 8.65%   | 0.187% |
| 181 | 12.678 | 12.649 | 12.754 | HH | 22025  | 1051874 | 17.31%  | 0.375% |
| 182 | 12.784 | 12.754 | 12.807 | HH | 15064  | 453010  | 7.46%   | 0.161% |
| 183 | 12.834 | 12.807 | 12.851 | HH | 15741  | 386526  | 6.36%   | 0.138% |
| 184 | 12.866 | 12.851 | 12.884 | HH | 15955  | 305010  | 5.02%   | 0.109% |
| 185 | 12.892 | 12.884 | 12.914 | HH | 14919  | 256518  | 4.22%   | 0.091% |
| 186 | 12.974 | 12.914 | 12.989 | HH | 20305  | 742748  | 12.22%  | 0.265% |
| 187 | 13.019 | 12.989 | 13.052 | HH | 370488 | 4693164 | 77.24%  | 1.672% |
| 188 | 13.063 | 13.052 | 13.085 | HH | 18784  | 345160  | 5.68%   | 0.123% |
| 189 | 13.114 | 13.085 | 13.156 | HH | 17800  | 700362  | 11.53%  | 0.250% |
| 190 | 13.181 | 13.156 | 13.208 | HH | 47519  | 841330  | 13.85%  | 0.300% |
| 191 | 13.233 | 13.208 | 13.267 | HH | 22933  | 667767  | 10.99%  | 0.238% |
| 192 | 13.289 | 13.267 | 13.331 | HH | 23769  | 682703  | 11.24%  | 0.243% |
| 193 | 13.352 | 13.331 | 13.366 | HH | 16828  | 331902  | 5.46%   | 0.118% |
| 194 | 13.398 | 13.366 | 13.444 | HH | 18881  | 789477  | 12.99%  | 0.281% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 13.457 | 13.444 | 13.478 | HH | 16544  | 320171  | 5.27%  | 0.114% |
| 196 | 13.485 | 13.478 | 13.514 | HH | 15018  | 320324  | 5.27%  | 0.114% |
| 197 | 13.551 | 13.514 | 13.569 | HH | 17625  | 525049  | 8.64%  | 0.187% |
| 198 | 13.588 | 13.569 | 13.636 | HH | 16512  | 628880  | 10.35% | 0.224% |
| 199 | 13.677 | 13.636 | 13.696 | HH | 15928  | 535867  | 8.82%  | 0.191% |
| 200 | 13.728 | 13.696 | 13.741 | HH | 19284  | 481021  | 7.92%  | 0.171% |
| 201 | 13.832 | 13.787 | 13.863 | HH | 19421  | 777354  | 12.79% | 0.277% |
| 202 | 13.881 | 13.863 | 13.952 | HH | 17649  | 831436  | 13.68% | 0.296% |
| 203 | 13.988 | 13.952 | 14.072 | HH | 16501  | 1065063 | 17.53% | 0.379% |
| 204 | 14.095 | 14.072 | 14.112 | HH | 14998  | 343792  | 5.66%  | 0.122% |
| 205 | 14.120 | 14.112 | 14.130 | HH | 14734  | 158468  | 2.61%  | 0.056% |
| 206 | 14.154 | 14.130 | 14.217 | HH | 18682  | 835248  | 13.75% | 0.298% |
| 207 | 14.273 | 14.217 | 14.295 | HH | 16654  | 716913  | 11.80% | 0.255% |
| 208 | 14.391 | 14.344 | 14.424 | HH | 19127  | 813941  | 13.40% | 0.290% |
| 209 | 14.447 | 14.424 | 14.471 | HH | 17385  | 474416  | 7.81%  | 0.169% |
| 210 | 14.492 | 14.471 | 14.511 | HH | 17377  | 395668  | 6.51%  | 0.141% |
| 211 | 14.530 | 14.511 | 14.551 | HH | 18124  | 415481  | 6.84%  | 0.148% |
| 212 | 14.570 | 14.551 | 14.592 | HH | 17775  | 418511  | 6.89%  | 0.149% |
| 213 | 14.600 | 14.592 | 14.619 | HH | 16716  | 262571  | 4.32%  | 0.094% |
| 214 | 14.638 | 14.619 | 14.650 | HH | 16037  | 289635  | 4.77%  | 0.103% |
| 215 | 14.660 | 14.650 | 14.677 | HH | 16237  | 262816  | 4.33%  | 0.094% |
| 216 | 14.698 | 14.677 | 14.767 | HH | 16749  | 870656  | 14.33% | 0.310% |
| 217 | 14.774 | 14.767 | 14.799 | HH | 15623  | 285473  | 4.70%  | 0.102% |
| 218 | 14.915 | 14.891 | 14.954 | HH | 18765  | 663909  | 10.93% | 0.237% |
| 219 | 14.968 | 14.954 | 14.979 | HH | 17506  | 257079  | 4.23%  | 0.092% |
| 220 | 14.990 | 14.979 | 15.009 | HH | 17369  | 310688  | 5.11%  | 0.111% |
| 221 | 15.049 | 15.009 | 15.074 | HH | 17774  | 664862  | 10.94% | 0.237% |
| 222 | 15.105 | 15.074 | 15.127 | HH | 18402  | 563619  | 9.28%  | 0.201% |
| 223 | 15.139 | 15.127 | 15.169 | HH | 18058  | 438952  | 7.22%  | 0.156% |
| 224 | 15.187 | 15.169 | 15.212 | HH | 17924  | 449252  | 7.39%  | 0.160% |
| 225 | 15.521 | 15.486 | 15.567 | HH | 21282  | 959891  | 15.80% | 0.342% |
| 226 | 15.594 | 15.567 | 15.609 | HH | 19795  | 484847  | 7.98%  | 0.173% |
| 227 | 15.679 | 15.609 | 15.721 | HH | 21562  | 1359902 | 22.38% | 0.485% |
| 228 | 15.730 | 15.721 | 15.749 | HH | 20949  | 350637  | 5.77%  | 0.125% |
| 229 | 15.760 | 15.749 | 15.777 | HH | 20598  | 343196  | 5.65%  | 0.122% |
| 230 | 15.807 | 15.777 | 15.825 | HH | 20718  | 573135  | 9.43%  | 0.204% |
| 231 | 15.870 | 15.825 | 15.931 | HH | 37093  | 1540031 | 25.35% | 0.549% |
| 232 | 15.960 | 15.931 | 15.984 | HH | 21043  | 665684  | 10.96% | 0.237% |
| 233 | 15.995 | 15.984 | 16.020 | HH | 21312  | 456392  | 7.51%  | 0.163% |
| 234 | 16.078 | 16.020 | 16.096 | HH | 23463  | 1008040 | 16.59% | 0.359% |
| 235 | 16.111 | 16.096 | 16.137 | HH | 24072  | 587850  | 9.67%  | 0.209% |
| 236 | 16.162 | 16.137 | 16.191 | HH | 26502  | 805493  | 13.26% | 0.287% |
| 237 | 16.206 | 16.191 | 16.244 | HH | 26212  | 813043  | 13.38% | 0.290% |
| 238 | 16.258 | 16.244 | 16.284 | HH | 25979  | 613427  | 10.10% | 0.219% |
| 239 | 16.302 | 16.284 | 16.322 | HH | 26535  | 595914  | 9.81%  | 0.212% |
| 240 | 16.349 | 16.322 | 16.377 | HH | 39743  | 1009393 | 16.61% | 0.360% |
| 241 | 16.388 | 16.377 | 16.412 | HH | 25993  | 534954  | 8.80%  | 0.191% |
| 242 | 16.434 | 16.412 | 16.461 | HH | 27467  | 767865  | 12.64% | 0.274% |
| 243 | 16.470 | 16.461 | 16.479 | HH | 26106  | 277237  | 4.56%  | 0.099% |
| 244 | 16.511 | 16.479 | 16.537 | HH | 28826  | 950966  | 15.65% | 0.339% |
| 245 | 16.558 | 16.537 | 16.579 | HH | 28490  | 683669  | 11.25% | 0.244% |
| 246 | 16.589 | 16.579 | 16.606 | HH | 28084  | 439859  | 7.24%  | 0.157% |

| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 247    | 16.619 | 16.606 | 16.634 | HH | 27636 | 463177  | 7.62%  | 0.165% |
| 248    | 16.652 | 16.634 | 16.674 | HH | 29513 | 687675  | 11.32% | 0.245% |
| 249    | 16.686 | 16.674 | 16.717 | HH | 29759 | 737510  | 12.14% | 0.263% |
| 250    | 16.742 | 16.717 | 16.759 | HH | 29416 | 721747  | 11.88% | 0.257% |
|        |        |        |        |    |       |         |        |        |
| 251    | 16.813 | 16.759 | 16.896 | HH | 45389 | 2722487 | 44.81% | 0.970% |
| 252    | 16.912 | 16.896 | 16.933 | HH | 31356 | 695061  | 11.44% | 0.248% |
| 253    | 16.942 | 16.933 | 16.969 | HH | 31452 | 661237  | 10.88% | 0.236% |
| 254    | 16.990 | 16.969 | 16.999 | HH | 32666 | 565580  | 9.31%  | 0.202% |
| 255    | 17.062 | 16.999 | 17.094 | HH | 37653 | 1905726 | 31.36% | 0.679% |
|        |        |        |        |    |       |         |        |        |
| 256    | 17.134 | 17.094 | 17.172 | HH | 35382 | 1578694 | 25.98% | 0.563% |
| 257    | 17.204 | 17.172 | 17.219 | HH | 37209 | 1003040 | 16.51% | 0.357% |
| 258    | 17.234 | 17.219 | 17.244 | HH | 38570 | 559781  | 9.21%  | 0.199% |
| 259    | 17.262 | 17.244 | 17.287 | HH | 48224 | 1081308 | 17.80% | 0.385% |
| 260    | 17.302 | 17.287 | 17.332 | HH | 36813 | 966211  | 15.90% | 0.344% |
|        |        |        |        |    |       |         |        |        |
| 261    | 17.340 | 17.332 | 17.352 | HH | 35601 | 409515  | 6.74%  | 0.146% |
| 262    | 17.380 | 17.352 | 17.416 | HH | 39903 | 1423902 | 23.43% | 0.507% |
| 263    | 17.441 | 17.416 | 17.450 | HH | 37038 | 739656  | 12.17% | 0.264% |
| 264    | 17.465 | 17.450 | 17.480 | HH | 37530 | 677927  | 11.16% | 0.242% |
| 265    | 17.506 | 17.480 | 17.519 | HH | 37592 | 854440  | 14.06% | 0.304% |
|        |        |        |        |    |       |         |        |        |
| 266    | 17.536 | 17.519 | 17.546 | HH | 37810 | 602264  | 9.91%  | 0.215% |
| 267    | 17.555 | 17.546 | 17.579 | HH | 37593 | 731374  | 12.04% | 0.261% |
| 268    | 17.597 | 17.579 | 17.626 | HH | 38748 | 1057635 | 17.41% | 0.377% |
| 269    | 17.657 | 17.626 | 17.676 | HH | 40494 | 1181206 | 19.44% | 0.421% |
| 270    | 17.697 | 17.676 | 17.727 | HH | 51186 | 1366591 | 22.49% | 0.487% |
|        |        |        |        |    |       |         |        |        |
| 271    | 17.750 | 17.727 | 17.764 | HH | 39999 | 858061  | 14.12% | 0.306% |
| 272    | 17.846 | 17.764 | 17.866 | HH | 52053 | 2574344 | 42.37% | 0.917% |
| 273    | 17.874 | 17.866 | 17.931 | HH | 44918 | 1605011 | 26.42% | 0.572% |
| 274    | 17.944 | 17.931 | 17.967 | HH | 39162 | 855720  | 14.08% | 0.305% |
| 275    | 18.016 | 17.967 | 18.028 | HH | 41069 | 1459155 | 24.01% | 0.520% |
|        |        |        |        |    |       |         |        |        |
| 276    | 18.073 | 18.028 | 18.099 | HH | 48308 | 1904222 | 31.34% | 0.679% |
| 277    | 18.118 | 18.099 | 18.147 | HH | 52460 | 1343924 | 22.12% | 0.479% |
| 278    | 18.169 | 18.147 | 18.187 | HH | 44772 | 1031270 | 16.97% | 0.367% |
| 279    | 18.212 | 18.187 | 18.276 | HH | 59618 | 2437396 | 40.11% | 0.868% |
| 280    | 18.325 | 18.276 | 18.348 | HH | 43445 | 1843100 | 30.33% | 0.657% |
|        |        |        |        |    |       |         |        |        |
| 281    | 18.363 | 18.348 | 18.405 | HH | 43914 | 1466686 | 24.14% | 0.523% |
| 282    | 18.419 | 18.405 | 18.434 | HH | 42874 | 716525  | 11.79% | 0.255% |
| 283    | 18.442 | 18.434 | 18.462 | HH | 42535 | 722761  | 11.90% | 0.258% |
| 284    | 18.524 | 18.462 | 18.566 | HH | 51650 | 2768453 | 45.56% | 0.986% |
| 285    | 18.575 | 18.566 | 18.592 | HH | 43661 | 692066  | 11.39% | 0.247% |
|        |        |        |        |    |       |         |        |        |
| 286    | 18.597 | 18.592 | 18.605 | HH | 43402 | 328230  | 5.40%  | 0.117% |
| 287    | 18.631 | 18.605 | 18.657 | HH | 51749 | 1465957 | 24.13% | 0.522% |
| 288    | 18.681 | 18.657 | 18.712 | HH | 49429 | 1548999 | 25.49% | 0.552% |
| 289    | 18.722 | 18.712 | 18.749 | HH | 45612 | 975643  | 16.06% | 0.348% |
| 290    | 18.775 | 18.749 | 18.787 | HH | 46192 | 1047678 | 17.24% | 0.373% |
|        |        |        |        |    |       |         |        |        |
| 291    | 18.806 | 18.787 | 18.842 | HH | 47935 | 1511695 | 24.88% | 0.539% |
| 292    | 18.922 | 18.842 | 18.946 | HH | 56288 | 3143787 | 51.74% | 1.120% |
| 293    | 18.962 | 18.946 | 18.989 | HH | 54017 | 1329575 | 21.88% | 0.474% |
| 294    | 19.027 | 18.989 | 19.049 | HH | 52181 | 1772634 | 29.17% | 0.632% |
| 295    | 19.057 | 19.049 | 19.071 | HH | 49404 | 643607  | 10.59% | 0.229% |
|        |        |        |        |    |       |         |        |        |
| 296    | 19.078 | 19.071 | 19.106 | HH | 49799 | 1025327 | 16.87% | 0.365% |
| 297    | 19.118 | 19.106 | 19.142 | HH | 49950 | 1075549 | 17.70% | 0.383% |
| 298    | 19.151 | 19.142 | 19.167 | HH | 48656 | 727542  | 11.97% | 0.259% |
| 299    | 19.186 | 19.167 | 19.197 | HH | 49830 | 881937  | 14.51% | 0.314% |

|     |        |        |                         |    |       |           |        |        |
|-----|--------|--------|-------------------------|----|-------|-----------|--------|--------|
|     |        |        |                         |    | rters |           |        |        |
| 300 | 19.220 | 19.197 | 19.247                  | HH | 50336 | 1474338   | 24.26% | 0.525% |
| 301 | 19.269 | 19.247 | 19.282                  | HH | 50576 | 1038345   | 17.09% | 0.370% |
| 302 | 19.307 | 19.282 | 19.319                  | HH | 54648 | 1158813   | 19.07% | 0.413% |
| 303 | 19.335 | 19.319 | 19.374                  | HH | 54931 | 1729166   | 28.46% | 0.616% |
| 304 | 19.382 | 19.374 | 19.391                  | HH | 50839 | 514382    | 8.47%  | 0.183% |
| 305 | 19.432 | 19.391 | 19.484                  | HH | 54707 | 2931677   | 48.25% | 1.045% |
| 306 | 19.507 | 19.484 | 19.516                  | HH | 52960 | 990416    | 16.30% | 0.353% |
| 307 | 19.531 | 19.516 | 19.555                  | HH | 53308 | 1256908   | 20.69% | 0.448% |
| 308 | 19.582 | 19.555 | 19.605                  | HH | 55333 | 1603713   | 26.39% | 0.571% |
| 309 | 19.616 | 19.605 | 19.641                  | HH | 54441 | 1160325   | 19.10% | 0.413% |
| 310 | 19.668 | 19.641 | 19.705                  | HH | 59685 | 2229667   | 36.70% | 0.794% |
| 311 | 19.729 | 19.705 | 19.786                  | HH | 58492 | 2721009   | 44.78% | 0.970% |
| 312 | 19.790 | 19.786 | 19.801                  | HH | 56851 | 499803    | 8.23%  | 0.178% |
| 313 | 19.843 | 19.801 | 19.859                  | HH | 59315 | 2010228   | 33.08% | 0.716% |
| 314 | 19.885 | 19.859 | 19.894                  | HH | 58714 | 1213806   | 19.98% | 0.432% |
| 315 | 19.924 | 19.894 | 19.932                  | HH | 60422 | 1367514   | 22.51% | 0.487% |
| 316 | 19.954 | 19.932 | 19.982                  | HH | 62287 | 1821327   | 29.98% | 0.649% |
| 317 | 20.045 | 19.982 | 20.064                  | HH | 63830 | 2999206   | 49.36% | 1.069% |
| 318 | 20.115 | 20.064 | 20.171                  | HH | 69662 | 4199498   | 69.11% | 1.496% |
| 319 | 20.186 | 20.171 | 20.192                  | HH | 65051 | 814881    | 13.41% | 0.290% |
| 320 | 20.217 | 20.192 | 20.251                  | HH | 66820 | 2310856   | 38.03% | 0.823% |
| 321 | 20.267 | 20.251 | 20.287                  | HH | 65454 | 1416523   | 23.31% | 0.505% |
| 322 | 20.313 | 20.287 | 20.336                  | HH | 65499 | 1881818   | 30.97% | 0.671% |
| 323 | 20.344 | 20.336 | 20.352                  | HH | 65051 | 628218    | 10.34% | 0.224% |
| 324 | 20.397 | 20.352 | 20.426                  | HH | 68200 | 2891660   | 47.59% | 1.030% |
| 325 | 20.437 | 20.426 | 20.474                  | HH | 66313 | 1895595   | 31.20% | 0.675% |
| 326 | 20.493 | 20.474 | 20.507                  | HH | 66095 | 1307858   | 21.52% | 0.466% |
| 327 | 20.515 | 20.507 | 20.527                  | HH | 66559 | 790331    | 13.01% | 0.282% |
| 328 | 20.538 | 20.527 | 20.553                  | HH | 65318 | 1015822   | 16.72% | 0.362% |
| 329 | 20.575 | 20.553 | 20.589                  | HH | 65246 | 1377689   | 22.67% | 0.491% |
| 330 | 20.596 | 20.589 | 20.609                  | HH | 65028 | 774126    | 12.74% | 0.276% |
| 331 | 20.618 | 20.609 | 20.667                  | HH | 66133 | 2259945   | 37.19% | 0.805% |
| 332 | 20.675 | 20.667 | 20.689                  | HH | 64313 | 827890    | 13.63% | 0.295% |
| 333 | 20.694 | 20.689 | 20.706                  | HH | 63422 | 631612    | 10.40% | 0.225% |
| 334 | 20.719 | 20.706 | 20.737                  | HH | 64324 | 1190378   | 19.59% | 0.424% |
| 335 | 20.761 | 20.737 | 20.834                  | HH | 64051 | 3649571   | 60.06% | 1.300% |
| 336 | 20.860 | 20.834 | 20.896                  | HH | 62555 | 2280967   | 37.54% | 0.813% |
| 337 | 20.903 | 20.896 | 20.919                  | HH | 61636 | 855597    | 14.08% | 0.305% |
| 338 | 20.928 | 20.919 | 20.960                  | HH | 61629 | 1495342   | 24.61% | 0.533% |
| 339 | 20.972 | 20.960 | 20.986                  | HH | 61131 | 931729    | 15.33% | 0.332% |
| 340 | 20.995 | 20.986 | 21.007                  | HH | 61119 | 765854    | 12.60% | 0.273% |
| 341 | 21.036 | 21.007 | 21.077                  | HH | 61110 | 2528470   | 41.61% | 0.901% |
| 342 | 21.088 | 21.077 | 21.124                  | HH | 60215 | 1654468   | 27.23% | 0.590% |
| 343 | 21.132 | 21.124 | 21.157                  | HH | 58908 | 1168842   | 19.24% | 0.416% |
| 344 | 21.191 | 21.157 | 21.227                  | HH | 60670 | 2459923   | 40.49% | 0.877% |
| 345 | 21.236 | 21.227 | 21.269                  | HH | 58756 | 1433105   | 23.59% | 0.511% |
| 346 | 21.285 | 21.269 | 21.318                  | HH | 58615 | 1685230   | 27.74% | 0.600% |
|     |        |        | Sum of corrected areas: |    |       | 280651569 |        |        |