

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071818AL\  
 Data File : FC035474.D  
 Signal(s) : FID1A.CH  
 Acq On : 19 Jul 2018 7:17  
 Sample : J4030-14D  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 062518.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         | 3.234       | 3.202        | 3.290      | BH       | 644            | 6783         | 0.05%          | 0.002%        |
| 2         | 3.434       | 3.396        | 3.463      | PH       | 126            | 1296         | 0.01%          | 0.000%        |
| 3         | 3.498       | 3.482        | 3.520      | PH       | 417            | 4250         | 0.03%          | 0.001%        |
| 4         | 3.531       | 3.520        | 3.550      | HH       | 397            | 3534         | 0.03%          | 0.001%        |
| 5         | 3.608       | 3.583        | 3.624      | PH       | 465            | 4614         | 0.03%          | 0.001%        |
| 6         | 3.640       | 3.624        | 3.654      | HH       | 211            | 3587         | 0.03%          | 0.001%        |
| 7         | 3.678       | 3.654        | 3.711      | HH       | 479            | 6599         | 0.05%          | 0.001%        |
| 8         | 3.726       | 3.711        | 3.759      | PH       | 627            | 8064         | 0.06%          | 0.002%        |
| 9         | 3.772       | 3.759        | 3.790      | HH       | 461            | 3469         | 0.03%          | 0.001%        |
| 10        | 3.815       | 3.790        | 3.867      | PH       | 399            | 8263         | 0.06%          | 0.002%        |
| 11        | 3.902       | 3.867        | 3.919      | PH       | 738            | 9460         | 0.07%          | 0.002%        |
| 12        | 3.930       | 3.919        | 3.954      | HH       | 504            | 5188         | 0.04%          | 0.001%        |
| 13        | 3.965       | 3.954        | 3.981      | HH       | 327            | 3707         | 0.03%          | 0.001%        |
| 14        | 3.998       | 3.981        | 4.026      | HH       | 708            | 7281         | 0.06%          | 0.002%        |
| 15        | 4.066       | 4.026        | 4.097      | PH       | 768            | 13426        | 0.10%          | 0.003%        |
| 16        | 4.106       | 4.097        | 4.132      | HH       | 538            | 6142         | 0.05%          | 0.001%        |
| 17        | 4.160       | 4.132        | 4.192      | HH       | 703            | 11388        | 0.09%          | 0.003%        |
| 18        | 4.227       | 4.192        | 4.245      | HH       | 1062           | 15681        | 0.12%          | 0.004%        |
| 19        | 4.255       | 4.245        | 4.278      | HH       | 369            | 4533         | 0.03%          | 0.001%        |
| 20        | 4.303       | 4.278        | 4.327      | HH       | 2625           | 28304        | 0.21%          | 0.006%        |
| 21        | 4.342       | 4.327        | 4.361      | HH       | 506            | 6124         | 0.05%          | 0.001%        |
| 22        | 4.372       | 4.361        | 4.386      | HH       | 368            | 3746         | 0.03%          | 0.001%        |
| 23        | 4.417       | 4.386        | 4.436      | HH       | 722            | 13208        | 0.10%          | 0.003%        |
| 24        | 4.461       | 4.436        | 4.486      | HH       | 885            | 13631        | 0.10%          | 0.003%        |
| 25        | 4.501       | 4.486        | 4.514      | HH       | 572            | 7270         | 0.05%          | 0.002%        |
| 26        | 4.521       | 4.514        | 4.542      | HH       | 471            | 6232         | 0.05%          | 0.001%        |
| 27        | 4.557       | 4.542        | 4.574      | HH       | 1025           | 10191        | 0.08%          | 0.002%        |
| 28        | 4.585       | 4.574        | 4.624      | HH       | 560            | 11781        | 0.09%          | 0.003%        |
| 29        | 4.634       | 4.624        | 4.646      | HH       | 381            | 4304         | 0.03%          | 0.001%        |
| 30        | 4.652       | 4.646        | 4.661      | HH       | 369            | 2794         | 0.02%          | 0.001%        |
| 31        | 4.680       | 4.661        | 4.694      | HH       | 558            | 7470         | 0.06%          | 0.002%        |
| 32        | 4.713       | 4.694        | 4.736      | HH       | 622            | 10512        | 0.08%          | 0.002%        |
| 33        | 4.772       | 4.736        | 4.798      | HH       | 725            | 12703        | 0.10%          | 0.003%        |
| 34        | 4.827       | 4.798        | 4.841      | HH       | 265            | 5633         | 0.04%          | 0.001%        |
| 35        | 4.857       | 4.841        | 4.884      | HH       | 545            | 8693         | 0.07%          | 0.002%        |
| 36        | 4.938       | 4.884        | 4.967      | HH       | 3452           | 58262        | 0.44%          | 0.013%        |

| rteres.txt |       |       |       |    |      |        |       |        |
|------------|-------|-------|-------|----|------|--------|-------|--------|
| 37         | 4.988 | 4.967 | 5.009 | HH | 4508 | 54132  | 0.41% | 0.012% |
| 38         | 5.017 | 5.009 | 5.031 | HH | 794  | 7887   | 0.06% | 0.002% |
| 39         | 5.044 | 5.031 | 5.057 | HH | 632  | 9370   | 0.07% | 0.002% |
| 40         | 5.066 | 5.057 | 5.085 | HH | 780  | 8575   | 0.06% | 0.002% |
| 41         | 5.129 | 5.085 | 5.150 | HH | 1192 | 21402  | 0.16% | 0.005% |
| 42         | 5.168 | 5.150 | 5.192 | HH | 911  | 15586  | 0.12% | 0.003% |
| 43         | 5.197 | 5.192 | 5.210 | HH | 390  | 3962   | 0.03% | 0.001% |
| 44         | 5.226 | 5.210 | 5.236 | HH | 592  | 7322   | 0.06% | 0.002% |
| 45         | 5.254 | 5.236 | 5.291 | HH | 5499 | 68405  | 0.52% | 0.015% |
| 46         | 5.304 | 5.291 | 5.322 | HH | 842  | 13289  | 0.10% | 0.003% |
| 47         | 5.339 | 5.322 | 5.354 | HH | 2816 | 32610  | 0.25% | 0.007% |
| 48         | 5.379 | 5.354 | 5.422 | HH | 2447 | 53952  | 0.41% | 0.012% |
| 49         | 5.437 | 5.422 | 5.491 | HH | 1228 | 27131  | 0.21% | 0.006% |
| 50         | 5.519 | 5.491 | 5.542 | HH | 1451 | 26555  | 0.20% | 0.006% |
| 51         | 5.554 | 5.542 | 5.567 | HH | 609  | 7528   | 0.06% | 0.002% |
| 52         | 5.572 | 5.567 | 5.604 | HH | 540  | 9838   | 0.07% | 0.002% |
| 53         | 5.624 | 5.604 | 5.662 | HH | 830  | 22150  | 0.17% | 0.005% |
| 54         | 5.681 | 5.662 | 5.696 | HH | 589  | 9454   | 0.07% | 0.002% |
| 55         | 5.709 | 5.696 | 5.727 | HH | 531  | 8338   | 0.06% | 0.002% |
| 56         | 5.735 | 5.727 | 5.769 | HH | 527  | 10151  | 0.08% | 0.002% |
| 57         | 5.792 | 5.769 | 5.812 | HH | 976  | 10482  | 0.08% | 0.002% |
| 58         | 5.845 | 5.812 | 5.862 | HH | 702  | 15745  | 0.12% | 0.004% |
| 59         | 5.883 | 5.862 | 5.922 | HH | 2663 | 43206  | 0.33% | 0.010% |
| 60         | 5.935 | 5.922 | 5.964 | HH | 853  | 15190  | 0.11% | 0.003% |
| 61         | 5.980 | 5.964 | 6.004 | HH | 1091 | 16957  | 0.13% | 0.004% |
| 62         | 6.039 | 6.004 | 6.057 | HH | 1189 | 22865  | 0.17% | 0.005% |
| 63         | 6.070 | 6.057 | 6.093 | HH | 604  | 11088  | 0.08% | 0.002% |
| 64         | 6.122 | 6.093 | 6.138 | HH | 706  | 14587  | 0.11% | 0.003% |
| 65         | 6.152 | 6.138 | 6.179 | HH | 701  | 15210  | 0.11% | 0.003% |
| 66         | 6.209 | 6.179 | 6.227 | HH | 1181 | 25510  | 0.19% | 0.006% |
| 67         | 6.245 | 6.227 | 6.295 | HH | 953  | 32338  | 0.24% | 0.007% |
| 68         | 6.318 | 6.295 | 6.393 | HH | 8290 | 118487 | 0.90% | 0.027% |
| 69         | 6.407 | 6.393 | 6.434 | HH | 706  | 14487  | 0.11% | 0.003% |
| 70         | 6.468 | 6.434 | 6.490 | HH | 1672 | 31860  | 0.24% | 0.007% |
| 71         | 6.505 | 6.490 | 6.531 | HH | 878  | 17882  | 0.14% | 0.004% |
| 72         | 6.538 | 6.531 | 6.551 | HH | 618  | 6780   | 0.05% | 0.002% |
| 73         | 6.593 | 6.551 | 6.608 | HH | 712  | 19813  | 0.15% | 0.004% |
| 74         | 6.640 | 6.608 | 6.664 | HH | 823  | 22839  | 0.17% | 0.005% |
| 75         | 6.677 | 6.664 | 6.702 | HH | 813  | 16972  | 0.13% | 0.004% |
| 76         | 6.712 | 6.702 | 6.730 | HH | 802  | 11445  | 0.09% | 0.003% |
| 77         | 6.766 | 6.730 | 6.794 | HH | 1111 | 29481  | 0.22% | 0.007% |
| 78         | 6.833 | 6.794 | 6.854 | HH | 1123 | 31259  | 0.24% | 0.007% |
| 79         | 6.875 | 6.854 | 6.901 | HH | 1069 | 21958  | 0.17% | 0.005% |
| 80         | 6.932 | 6.901 | 6.961 | HH | 1347 | 37232  | 0.28% | 0.008% |
| 81         | 6.975 | 6.961 | 6.994 | HH | 976  | 17516  | 0.13% | 0.004% |
| 82         | 7.019 | 6.994 | 7.055 | HH | 2047 | 44811  | 0.34% | 0.010% |
| 83         | 7.067 | 7.055 | 7.087 | HH | 1143 | 19025  | 0.14% | 0.004% |
| 84         | 7.118 | 7.087 | 7.162 | HH | 1558 | 49453  | 0.37% | 0.011% |
| 85         | 7.183 | 7.162 | 7.216 | HH | 1375 | 36045  | 0.27% | 0.008% |
| 86         | 7.239 | 7.216 | 7.259 | HH | 3929 | 55275  | 0.42% | 0.012% |
| 87         | 7.269 | 7.259 | 7.289 | HH | 1319 | 20949  | 0.16% | 0.005% |
| 88         | 7.305 | 7.289 | 7.342 | HH | 1601 | 36091  | 0.27% | 0.008% |
| 89         | 7.382 | 7.342 | 7.401 | HH | 2139 | 47472  | 0.36% | 0.011% |

|     |       |       |       |    |            |        |       |        |
|-----|-------|-------|-------|----|------------|--------|-------|--------|
|     |       |       |       |    | rteres.txt |        |       |        |
| 90  | 7.412 | 7.401 | 7.437 | HH | 1418       | 26216  | 0.20% | 0.006% |
| 91  | 7.456 | 7.437 | 7.481 | HH | 1776       | 31550  | 0.24% | 0.007% |
| 92  | 7.499 | 7.481 | 7.508 | HH | 1330       | 18888  | 0.14% | 0.004% |
| 93  | 7.523 | 7.508 | 7.544 | HH | 1492       | 28607  | 0.22% | 0.006% |
| 94  | 7.574 | 7.544 | 7.584 | HH | 1574       | 33627  | 0.25% | 0.008% |
| 95  | 7.604 | 7.584 | 7.616 | HH | 1667       | 29548  | 0.22% | 0.007% |
| 96  | 7.656 | 7.616 | 7.699 | HH | 2292       | 92371  | 0.70% | 0.021% |
| 97  | 7.714 | 7.699 | 7.736 | HH | 1678       | 32162  | 0.24% | 0.007% |
| 98  | 7.760 | 7.736 | 7.782 | HH | 1598       | 37591  | 0.28% | 0.008% |
| 99  | 7.804 | 7.782 | 7.822 | HH | 1961       | 39297  | 0.30% | 0.009% |
| 100 | 7.858 | 7.822 | 7.884 | HH | 2689       | 70729  | 0.53% | 0.016% |
| 101 | 7.928 | 7.884 | 7.945 | HH | 2862       | 66299  | 0.50% | 0.015% |
| 102 | 7.955 | 7.945 | 7.966 | HH | 1972       | 23177  | 0.18% | 0.005% |
| 103 | 7.980 | 7.966 | 7.999 | HH | 2050       | 37513  | 0.28% | 0.008% |
| 104 | 8.016 | 7.999 | 8.041 | HH | 2325       | 53047  | 0.40% | 0.012% |
| 105 | 8.051 | 8.041 | 8.082 | HH | 2272       | 54268  | 0.41% | 0.012% |
| 106 | 8.106 | 8.082 | 8.141 | HH | 7161       | 120451 | 0.91% | 0.027% |
| 107 | 8.156 | 8.141 | 8.187 | HH | 1816       | 46289  | 0.35% | 0.010% |
| 108 | 8.199 | 8.187 | 8.235 | HH | 1764       | 47912  | 0.36% | 0.011% |
| 109 | 8.261 | 8.235 | 8.311 | HH | 3341       | 97780  | 0.74% | 0.022% |
| 110 | 8.328 | 8.311 | 8.339 | HH | 1851       | 30319  | 0.23% | 0.007% |
| 111 | 8.359 | 8.339 | 8.388 | HH | 1954       | 52865  | 0.40% | 0.012% |
| 112 | 8.404 | 8.388 | 8.412 | HH | 1826       | 24790  | 0.19% | 0.006% |
| 113 | 8.434 | 8.412 | 8.446 | HH | 1779       | 34899  | 0.26% | 0.008% |
| 114 | 8.490 | 8.446 | 8.511 | HH | 2502       | 83780  | 0.63% | 0.019% |
| 115 | 8.523 | 8.511 | 8.539 | HH | 2403       | 37925  | 0.29% | 0.008% |
| 116 | 8.555 | 8.539 | 8.577 | HH | 3764       | 65140  | 0.49% | 0.015% |
| 117 | 8.595 | 8.577 | 8.606 | HH | 2908       | 43781  | 0.33% | 0.010% |
| 118 | 8.640 | 8.606 | 8.670 | HH | 5256       | 132498 | 1.00% | 0.030% |
| 119 | 8.691 | 8.670 | 8.706 | HH | 2714       | 50301  | 0.38% | 0.011% |
| 120 | 8.721 | 8.706 | 8.757 | HH | 2723       | 73821  | 0.56% | 0.017% |
| 121 | 8.789 | 8.757 | 8.802 | HH | 2816       | 68990  | 0.52% | 0.015% |
| 122 | 8.819 | 8.802 | 8.879 | HH | 3869       | 141146 | 1.07% | 0.032% |
| 123 | 8.924 | 8.879 | 8.991 | HH | 9081       | 258044 | 1.95% | 0.058% |
| 124 | 9.009 | 8.991 | 9.029 | HH | 3036       | 61484  | 0.46% | 0.014% |
| 125 | 9.072 | 9.029 | 9.087 | HH | 2778       | 91800  | 0.69% | 0.021% |
| 126 | 9.110 | 9.087 | 9.154 | HH | 4275       | 130388 | 0.99% | 0.029% |
| 127 | 9.164 | 9.154 | 9.174 | HH | 2839       | 31907  | 0.24% | 0.007% |
| 128 | 9.184 | 9.174 | 9.192 | HH | 2653       | 28657  | 0.22% | 0.006% |
| 129 | 9.221 | 9.192 | 9.244 | HH | 3478       | 92739  | 0.70% | 0.021% |
| 130 | 9.303 | 9.244 | 9.331 | HH | 5024       | 189408 | 1.43% | 0.042% |
| 131 | 9.356 | 9.331 | 9.365 | HH | 3721       | 68573  | 0.52% | 0.015% |
| 132 | 9.382 | 9.365 | 9.404 | HH | 4031       | 84173  | 0.64% | 0.019% |
| 133 | 9.430 | 9.404 | 9.449 | HH | 4114       | 92263  | 0.70% | 0.021% |
| 134 | 9.479 | 9.449 | 9.504 | HH | 4021       | 113735 | 0.86% | 0.025% |
| 135 | 9.531 | 9.504 | 9.549 | HH | 3044       | 76903  | 0.58% | 0.017% |
| 136 | 9.576 | 9.549 | 9.596 | HH | 2905       | 78793  | 0.60% | 0.018% |
| 137 | 9.619 | 9.596 | 9.636 | HH | 3529       | 77644  | 0.59% | 0.017% |
| 138 | 9.658 | 9.636 | 9.672 | HH | 3827       | 77076  | 0.58% | 0.017% |
| 139 | 9.700 | 9.672 | 9.747 | HH | 13260      | 267637 | 2.02% | 0.060% |
| 140 | 9.801 | 9.747 | 9.843 | HH | 3604       | 196567 | 1.49% | 0.044% |
| 141 | 9.865 | 9.843 | 9.880 | HH | 3314       | 70078  | 0.53% | 0.016% |

|     |        |        |        |    | rteres.txt |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
| 142 | 9.908  | 9.880  | 9.926  | HH | 3492       | 92255  | 0.70% | 0.021% |
| 143 | 9.928  | 9.926  | 9.949  | HH | 3512       | 47484  | 0.36% | 0.011% |
| 144 | 9.976  | 9.949  | 10.006 | HH | 3610       | 118271 | 0.89% | 0.026% |
| 145 | 10.047 | 10.006 | 10.057 | HH | 4448       | 121495 | 0.92% | 0.027% |
| 146 | 10.087 | 10.057 | 10.113 | HH | 8521       | 199496 | 1.51% | 0.045% |
| 147 | 10.136 | 10.113 | 10.154 | HH | 4749       | 108586 | 0.82% | 0.024% |
| 148 | 10.177 | 10.154 | 10.208 | HH | 5274       | 147850 | 1.12% | 0.033% |
| 149 | 10.231 | 10.208 | 10.256 | HH | 5467       | 128590 | 0.97% | 0.029% |
| 150 | 10.284 | 10.256 | 10.296 | HH | 4135       | 97735  | 0.74% | 0.022% |
| 151 | 10.333 | 10.296 | 10.346 | HH | 4683       | 129070 | 0.98% | 0.029% |
| 152 | 10.364 | 10.346 | 10.384 | HH | 5297       | 113413 | 0.86% | 0.025% |
| 153 | 10.436 | 10.384 | 10.474 | HH | 16146      | 400857 | 3.03% | 0.090% |
| 154 | 10.509 | 10.474 | 10.598 | HH | 12125      | 463581 | 3.50% | 0.104% |
| 155 | 10.629 | 10.598 | 10.639 | HH | 4976       | 118205 | 0.89% | 0.026% |
| 156 | 10.660 | 10.639 | 10.683 | HH | 5429       | 135961 | 1.03% | 0.030% |
| 157 | 10.701 | 10.683 | 10.727 | HH | 5106       | 131578 | 0.99% | 0.029% |
| 158 | 10.754 | 10.727 | 10.793 | HH | 6377       | 225140 | 1.70% | 0.050% |
| 159 | 10.823 | 10.793 | 10.867 | HH | 6899       | 270715 | 2.05% | 0.061% |
| 160 | 10.888 | 10.867 | 10.924 | HH | 6337       | 195626 | 1.48% | 0.044% |
| 161 | 10.943 | 10.924 | 10.977 | HH | 6344       | 179636 | 1.36% | 0.040% |
| 162 | 11.017 | 10.977 | 11.044 | HH | 5742       | 220564 | 1.67% | 0.049% |
| 163 | 11.068 | 11.044 | 11.088 | HH | 6740       | 161420 | 1.22% | 0.036% |
| 164 | 11.137 | 11.088 | 11.177 | HH | 16871      | 444776 | 3.36% | 0.100% |
| 165 | 11.183 | 11.177 | 11.192 | HH | 6216       | 54602  | 0.41% | 0.012% |
| 166 | 11.228 | 11.192 | 11.277 | HH | 11129      | 373624 | 2.82% | 0.084% |
| 167 | 11.293 | 11.277 | 11.307 | HH | 5984       | 103742 | 0.78% | 0.023% |
| 168 | 11.323 | 11.307 | 11.354 | HH | 6166       | 165914 | 1.25% | 0.037% |
| 169 | 11.375 | 11.354 | 11.392 | HH | 6341       | 138254 | 1.04% | 0.031% |
| 170 | 11.432 | 11.392 | 11.477 | HH | 7403       | 345122 | 2.61% | 0.077% |
| 171 | 11.496 | 11.477 | 11.509 | HH | 6893       | 125614 | 0.95% | 0.028% |
| 172 | 11.533 | 11.509 | 11.555 | HH | 7892       | 199754 | 1.51% | 0.045% |
| 173 | 11.573 | 11.555 | 11.602 | HH | 7427       | 197468 | 1.49% | 0.044% |
| 174 | 11.623 | 11.602 | 11.657 | HH | 7799       | 232009 | 1.75% | 0.052% |
| 175 | 11.690 | 11.657 | 11.719 | HH | 6953       | 255584 | 1.93% | 0.057% |
| 176 | 11.741 | 11.719 | 11.760 | HH | 8143       | 182070 | 1.38% | 0.041% |
| 177 | 11.805 | 11.760 | 11.836 | HH | 17445      | 476397 | 3.60% | 0.107% |
| 178 | 11.844 | 11.836 | 11.857 | HH | 7413       | 95927  | 0.72% | 0.021% |
| 179 | 11.894 | 11.857 | 11.912 | HH | 7925       | 249596 | 1.89% | 0.056% |
| 180 | 11.927 | 11.912 | 11.974 | HH | 7962       | 288547 | 2.18% | 0.065% |
| 181 | 12.015 | 11.974 | 12.029 | HH | 8440       | 258248 | 1.95% | 0.058% |
| 182 | 12.074 | 12.029 | 12.096 | HH | 9415       | 355921 | 2.69% | 0.080% |
| 183 | 12.105 | 12.096 | 12.132 | HH | 8927       | 187122 | 1.41% | 0.042% |
| 184 | 12.159 | 12.132 | 12.174 | HH | 9227       | 220098 | 1.66% | 0.049% |
| 185 | 12.190 | 12.174 | 12.202 | HH | 9467       | 152373 | 1.15% | 0.034% |
| 186 | 12.216 | 12.202 | 12.241 | HH | 9616       | 216562 | 1.64% | 0.048% |
| 187 | 12.265 | 12.241 | 12.289 | HH | 9428       | 254618 | 1.92% | 0.057% |
| 188 | 12.295 | 12.289 | 12.344 | HH | 8891       | 285182 | 2.16% | 0.064% |
| 189 | 12.370 | 12.344 | 12.411 | HH | 9977       | 378436 | 2.86% | 0.085% |
| 190 | 12.444 | 12.411 | 12.496 | HH | 19055      | 589369 | 4.45% | 0.132% |
| 191 | 12.503 | 12.496 | 12.520 | HH | 9522       | 135555 | 1.02% | 0.030% |
| 192 | 12.544 | 12.520 | 12.573 | HH | 10297      | 316625 | 2.39% | 0.071% |
| 193 | 12.586 | 12.573 | 12.604 | HH | 10240      | 179921 | 1.36% | 0.040% |
| 194 | 12.663 | 12.604 | 12.672 | HH | 9512       | 378121 | 2.86% | 0.085% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 12.695 | 12.672 | 12.716 | HH | 10578      | 260170  | 1.97%  | 0.058% |
| 196 | 12.727 | 12.716 | 12.752 | HH | 10159      | 213440  | 1.61%  | 0.048% |
| 197 | 12.769 | 12.752 | 12.779 | HH | 10120      | 163316  | 1.23%  | 0.037% |
| 198 | 12.806 | 12.779 | 12.817 | HH | 10546      | 234581  | 1.77%  | 0.052% |
| 199 | 12.835 | 12.817 | 12.851 | HH | 11092      | 214858  | 1.62%  | 0.048% |
| 200 | 12.885 | 12.851 | 12.922 | HH | 174135     | 2415211 | 18.25% | 0.540% |
| 201 | 12.941 | 12.922 | 12.964 | HH | 12385      | 294344  | 2.22%  | 0.066% |
| 202 | 12.979 | 12.964 | 13.022 | HH | 11856      | 400665  | 3.03%  | 0.090% |
| 203 | 13.054 | 13.022 | 13.077 | HH | 20736      | 492803  | 3.72%  | 0.110% |
| 204 | 13.087 | 13.077 | 13.109 | HH | 12536      | 232382  | 1.76%  | 0.052% |
| 205 | 13.135 | 13.109 | 13.177 | HH | 12480      | 495373  | 3.74%  | 0.111% |
| 206 | 13.183 | 13.177 | 13.192 | HH | 12028      | 101735  | 0.77%  | 0.023% |
| 207 | 13.213 | 13.192 | 13.234 | HH | 12946      | 311763  | 2.36%  | 0.070% |
| 208 | 13.282 | 13.234 | 13.294 | HH | 13977      | 459281  | 3.47%  | 0.103% |
| 209 | 13.316 | 13.294 | 13.364 | HH | 16206      | 592825  | 4.48%  | 0.133% |
| 210 | 13.380 | 13.364 | 13.392 | HH | 13402      | 220827  | 1.67%  | 0.049% |
| 211 | 13.413 | 13.392 | 13.422 | HH | 13862      | 246796  | 1.87%  | 0.055% |
| 212 | 13.432 | 13.422 | 13.447 | HH | 13968      | 203863  | 1.54%  | 0.046% |
| 213 | 13.472 | 13.447 | 13.516 | HH | 14943      | 587752  | 4.44%  | 0.132% |
| 214 | 13.579 | 13.516 | 13.606 | HH | 14974      | 780572  | 5.90%  | 0.175% |
| 215 | 13.637 | 13.606 | 13.666 | HH | 25958      | 687710  | 5.20%  | 0.154% |
| 216 | 13.680 | 13.666 | 13.709 | HH | 15775      | 401679  | 3.04%  | 0.090% |
| 217 | 13.728 | 13.709 | 13.755 | HH | 15494      | 422581  | 3.19%  | 0.095% |
| 218 | 13.785 | 13.755 | 13.816 | HH | 15978      | 565829  | 4.28%  | 0.127% |
| 219 | 13.867 | 13.816 | 13.891 | HH | 17809      | 755846  | 5.71%  | 0.169% |
| 220 | 13.904 | 13.891 | 13.919 | HH | 17239      | 289218  | 2.19%  | 0.065% |
| 221 | 13.932 | 13.919 | 13.954 | HH | 17534      | 351612  | 2.66%  | 0.079% |
| 222 | 13.962 | 13.954 | 13.982 | HH | 16764      | 283664  | 2.14%  | 0.063% |
| 223 | 14.001 | 13.982 | 14.009 | HH | 17367      | 270872  | 2.05%  | 0.061% |
| 224 | 14.047 | 14.009 | 14.066 | HH | 18642      | 619011  | 4.68%  | 0.138% |
| 225 | 14.073 | 14.066 | 14.105 | HH | 18477      | 422310  | 3.19%  | 0.094% |
| 226 | 14.137 | 14.105 | 14.172 | HH | 19812      | 743665  | 5.62%  | 0.166% |
| 227 | 14.200 | 14.172 | 14.234 | HH | 27766      | 787015  | 5.95%  | 0.176% |
| 228 | 14.251 | 14.234 | 14.269 | HH | 20110      | 407810  | 3.08%  | 0.091% |
| 229 | 14.277 | 14.269 | 14.299 | HH | 19481      | 342884  | 2.59%  | 0.077% |
| 230 | 14.311 | 14.299 | 14.334 | HH | 19717      | 405296  | 3.06%  | 0.091% |
| 231 | 14.342 | 14.334 | 14.379 | HH | 19062      | 498698  | 3.77%  | 0.112% |
| 232 | 14.444 | 14.379 | 14.503 | HH | 21266      | 1461223 | 11.04% | 0.327% |
| 233 | 14.546 | 14.503 | 14.556 | HH | 20293      | 627427  | 4.74%  | 0.140% |
| 234 | 14.595 | 14.556 | 14.617 | HH | 21433      | 749326  | 5.66%  | 0.168% |
| 235 | 14.659 | 14.617 | 14.681 | HH | 21065      | 786865  | 5.95%  | 0.176% |
| 236 | 14.702 | 14.681 | 14.712 | HH | 20928      | 393873  | 2.98%  | 0.088% |
| 237 | 14.739 | 14.712 | 14.767 | HH | 31593      | 812830  | 6.14%  | 0.182% |
| 238 | 14.777 | 14.767 | 14.790 | HH | 22241      | 306525  | 2.32%  | 0.069% |
| 239 | 14.811 | 14.790 | 14.840 | HH | 22497      | 665406  | 5.03%  | 0.149% |
| 240 | 14.883 | 14.840 | 14.917 | HH | 23089      | 1030108 | 7.79%  | 0.230% |
| 241 | 14.944 | 14.917 | 14.962 | HH | 23198      | 627452  | 4.74%  | 0.140% |
| 242 | 14.989 | 14.962 | 15.004 | HH | 24151      | 587370  | 4.44%  | 0.131% |
| 243 | 15.042 | 15.004 | 15.059 | HH | 24831      | 794089  | 6.00%  | 0.178% |
| 244 | 15.074 | 15.059 | 15.104 | HH | 24809      | 660307  | 4.99%  | 0.148% |
| 245 | 15.122 | 15.104 | 15.143 | HH | 25175      | 573129  | 4.33%  | 0.128% |
| 246 | 15.178 | 15.143 | 15.220 | HH | 26247      | 1178748 | 8.91%  | 0.264% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 247        | 15.259 | 15.220 | 15.284 | HH | 36281  | 1139704 | 8.61%  | 0.255% |
| 248        | 15.294 | 15.284 | 15.327 | HH | 27225  | 690688  | 5.22%  | 0.155% |
| 249        | 15.380 | 15.327 | 15.414 | HH | 28964  | 1407842 | 10.64% | 0.315% |
| 250        | 15.444 | 15.414 | 15.456 | HH | 27999  | 691171  | 5.22%  | 0.155% |
| 251        | 15.474 | 15.456 | 15.483 | HH | 29317  | 466950  | 3.53%  | 0.104% |
| 252        | 15.517 | 15.483 | 15.534 | HH | 29364  | 883605  | 6.68%  | 0.198% |
| 253        | 15.572 | 15.534 | 15.596 | HH | 30749  | 1099852 | 8.31%  | 0.246% |
| 254        | 15.636 | 15.596 | 15.676 | HH | 30889  | 1438851 | 10.87% | 0.322% |
| 255        | 15.689 | 15.676 | 15.699 | HH | 30287  | 414949  | 3.14%  | 0.093% |
| 256        | 15.759 | 15.699 | 15.804 | HH | 43004  | 2118929 | 16.01% | 0.474% |
| 257        | 15.821 | 15.804 | 15.836 | HH | 32756  | 608083  | 4.60%  | 0.136% |
| 258        | 15.854 | 15.836 | 15.862 | HH | 32981  | 510668  | 3.86%  | 0.114% |
| 259        | 15.888 | 15.862 | 15.897 | HH | 33515  | 685482  | 5.18%  | 0.153% |
| 260        | 15.941 | 15.897 | 15.972 | HH | 37564  | 1584971 | 11.98% | 0.355% |
| 261        | 15.993 | 15.972 | 16.003 | HH | 35658  | 650624  | 4.92%  | 0.146% |
| 262        | 16.048 | 16.003 | 16.059 | HH | 38112  | 1238743 | 9.36%  | 0.277% |
| 263        | 16.080 | 16.059 | 16.096 | HH | 39691  | 850588  | 6.43%  | 0.190% |
| 264        | 16.117 | 16.096 | 16.167 | HH | 39444  | 1646965 | 12.45% | 0.368% |
| 265        | 16.241 | 16.167 | 16.270 | HH | 52060  | 2599344 | 19.64% | 0.582% |
| 266        | 16.289 | 16.270 | 16.299 | HH | 41836  | 714825  | 5.40%  | 0.160% |
| 267        | 16.377 | 16.299 | 16.416 | HH | 46481  | 3110383 | 23.51% | 0.696% |
| 268        | 16.454 | 16.416 | 16.469 | HH | 47018  | 1482720 | 11.21% | 0.332% |
| 269        | 16.492 | 16.469 | 16.522 | HH | 48106  | 1464635 | 11.07% | 0.328% |
| 270        | 16.547 | 16.522 | 16.567 | HH | 48790  | 1278316 | 9.66%  | 0.286% |
| 271        | 16.576 | 16.567 | 16.597 | HH | 48990  | 857209  | 6.48%  | 0.192% |
| 272        | 16.614 | 16.597 | 16.634 | HH | 47310  | 1022915 | 7.73%  | 0.229% |
| 273        | 16.714 | 16.634 | 16.742 | HH | 68701  | 3568766 | 26.97% | 0.798% |
| 274        | 16.758 | 16.742 | 16.777 | HH | 55235  | 1129809 | 8.54%  | 0.253% |
| 275        | 16.793 | 16.777 | 16.811 | HH | 55274  | 1062973 | 8.03%  | 0.238% |
| 276        | 16.830 | 16.811 | 16.842 | HH | 54802  | 1016979 | 7.69%  | 0.228% |
| 277        | 16.890 | 16.842 | 16.909 | HH | 60649  | 2304367 | 17.42% | 0.516% |
| 278        | 16.931 | 16.909 | 16.971 | HH | 66141  | 2246794 | 16.98% | 0.503% |
| 279        | 17.013 | 16.971 | 17.032 | HH | 61340  | 2199836 | 16.63% | 0.492% |
| 280        | 17.043 | 17.032 | 17.064 | HH | 60304  | 1125837 | 8.51%  | 0.252% |
| 281        | 17.105 | 17.064 | 17.131 | HH | 68268  | 2560469 | 19.35% | 0.573% |
| 282        | 17.159 | 17.131 | 17.197 | HH | 76104  | 2717647 | 20.54% | 0.608% |
| 283        | 17.217 | 17.197 | 17.232 | HH | 65893  | 1357813 | 10.26% | 0.304% |
| 284        | 17.262 | 17.232 | 17.292 | HH | 70575  | 2413654 | 18.24% | 0.540% |
| 285        | 17.312 | 17.292 | 17.339 | HH | 67229  | 1833498 | 13.86% | 0.410% |
| 286        | 17.344 | 17.339 | 17.366 | HH | 66600  | 1049516 | 7.93%  | 0.235% |
| 287        | 17.384 | 17.366 | 17.392 | HH | 66791  | 1039933 | 7.86%  | 0.233% |
| 288        | 17.431 | 17.392 | 17.452 | HH | 69266  | 2409141 | 18.21% | 0.539% |
| 289        | 17.484 | 17.452 | 17.511 | HH | 76370  | 2520037 | 19.05% | 0.564% |
| 290        | 17.560 | 17.511 | 17.569 | HH | 81744  | 2652834 | 20.05% | 0.594% |
| 291        | 17.589 | 17.569 | 17.653 | HH | 92119  | 3922625 | 29.65% | 0.878% |
| 292        | 17.662 | 17.653 | 17.673 | HH | 70886  | 818474  | 6.19%  | 0.183% |
| 293        | 17.723 | 17.673 | 17.801 | HH | 101718 | 6231328 | 47.09% | 1.394% |
| 294        | 17.821 | 17.801 | 17.849 | HH | 75692  | 2156346 | 16.30% | 0.482% |
| 295        | 17.926 | 17.849 | 17.939 | HH | 82513  | 4234377 | 32.00% | 0.947% |
| 296        | 17.953 | 17.939 | 17.981 | HH | 80641  | 1960416 | 14.82% | 0.439% |
| 297        | 18.017 | 17.981 | 18.039 | HH | 92927  | 2903776 | 21.95% | 0.650% |
| 298        | 18.089 | 18.039 | 18.139 | HH | 108338 | 5269696 | 39.83% | 1.179% |
| 299        | 18.158 | 18.139 | 18.189 | HH | 84507  | 2479412 | 18.74% | 0.555% |

|     |        |        |        |    | rteres.txt |          |         |        |
|-----|--------|--------|--------|----|------------|----------|---------|--------|
| 300 | 18.231 | 18.189 | 18.249 | HH | 86641      | 3005163  | 22.71%  | 0.672% |
| 301 | 18.261 | 18.249 | 18.279 | HH | 86146      | 1556569  | 11.76%  | 0.348% |
| 302 | 18.300 | 18.279 | 18.319 | HH | 87967      | 2064722  | 15.60%  | 0.462% |
| 303 | 18.335 | 18.319 | 18.352 | HH | 88403      | 1754305  | 13.26%  | 0.393% |
| 304 | 18.425 | 18.352 | 18.473 | HH | 102913     | 6606408  | 49.93%  | 1.478% |
| 305 | 18.510 | 18.473 | 18.535 | HH | 108175     | 3582438  | 27.07%  | 0.802% |
| 306 | 18.561 | 18.535 | 18.607 | HH | 109473     | 4276778  | 32.32%  | 0.957% |
| 307 | 18.619 | 18.607 | 18.639 | HH | 98863      | 1838407  | 13.89%  | 0.411% |
| 308 | 18.649 | 18.639 | 18.669 | HH | 99397      | 1751733  | 13.24%  | 0.392% |
| 309 | 18.694 | 18.669 | 18.761 | HH | 101248     | 5451496  | 41.20%  | 1.220% |
| 310 | 18.823 | 18.761 | 18.876 | HH | 115065     | 7327311  | 55.38%  | 1.639% |
| 311 | 18.911 | 18.876 | 18.950 | HH | 112515     | 4737761  | 35.81%  | 1.060% |
| 312 | 18.961 | 18.950 | 18.974 | HH | 105685     | 1493223  | 11.29%  | 0.334% |
| 313 | 19.022 | 18.974 | 19.041 | HH | 110140     | 4283537  | 32.37%  | 0.958% |
| 314 | 19.066 | 19.041 | 19.089 | HH | 109810     | 3145355  | 23.77%  | 0.704% |
| 315 | 19.127 | 19.089 | 19.144 | HH | 113602     | 3657488  | 27.64%  | 0.818% |
| 316 | 19.210 | 19.144 | 19.257 | HH | 135307     | 8258450  | 62.41%  | 1.848% |
| 317 | 19.274 | 19.257 | 19.292 | HH | 117936     | 2458977  | 18.58%  | 0.550% |
| 318 | 19.320 | 19.292 | 19.362 | HH | 127880     | 5069080  | 38.31%  | 1.134% |
| 319 | 19.373 | 19.362 | 19.381 | HH | 120915     | 1355321  | 10.24%  | 0.303% |
| 320 | 19.445 | 19.381 | 19.467 | HH | 128385     | 6475604  | 48.94%  | 1.449% |
| 321 | 19.586 | 19.467 | 19.607 | HH | 148983     | 11381792 | 86.02%  | 2.547% |
| 322 | 19.619 | 19.607 | 19.671 | HH | 148813     | 5460102  | 41.26%  | 1.222% |
| 323 | 19.695 | 19.671 | 19.710 | HH | 143629     | 3290305  | 24.87%  | 0.736% |
| 324 | 19.743 | 19.710 | 19.757 | HH | 144955     | 4091810  | 30.92%  | 0.916% |
| 325 | 19.813 | 19.757 | 19.822 | HH | 150606     | 5693510  | 43.03%  | 1.274% |
| 326 | 19.837 | 19.822 | 19.849 | HH | 150316     | 2416272  | 18.26%  | 0.541% |
| 327 | 19.864 | 19.849 | 19.884 | HH | 153739     | 3158500  | 23.87%  | 0.707% |
| 328 | 19.900 | 19.884 | 19.912 | HH | 153678     | 2580727  | 19.50%  | 0.577% |
| 329 | 19.951 | 19.912 | 19.967 | HH | 163580     | 5172012  | 39.09%  | 1.157% |
| 330 | 20.000 | 19.967 | 20.034 | HH | 166776     | 6461886  | 48.84%  | 1.446% |
| 331 | 20.052 | 20.034 | 20.065 | HH | 162615     | 2974050  | 22.48%  | 0.665% |
| 332 | 20.080 | 20.065 | 20.091 | HH | 160692     | 2450321  | 18.52%  | 0.548% |
| 333 | 20.134 | 20.091 | 20.181 | HH | 172542     | 8999536  | 68.01%  | 2.014% |
| 334 | 20.193 | 20.181 | 20.206 | HH | 168017     | 2495283  | 18.86%  | 0.558% |
| 335 | 20.299 | 20.206 | 20.331 | HH | 189576     | 13231838 | 100.00% | 2.961% |
| 336 | 20.346 | 20.331 | 20.362 | HH | 178126     | 3368785  | 25.46%  | 0.754% |
| 337 | 20.399 | 20.362 | 20.434 | HH | 180534     | 7665140  | 57.93%  | 1.715% |
| 338 | 20.448 | 20.434 | 20.474 | HH | 178646     | 4245732  | 32.09%  | 0.950% |
| 339 | 20.514 | 20.474 | 20.561 | HH | 184254     | 9355930  | 70.71%  | 2.093% |
| 340 | 20.575 | 20.561 | 20.589 | HH | 177807     | 2997486  | 22.65%  | 0.671% |
| 341 | 20.610 | 20.589 | 20.639 | HH | 180514     | 5313612  | 40.16%  | 1.189% |
| 342 | 20.663 | 20.639 | 20.719 | HH | 179767     | 8292412  | 62.67%  | 1.855% |
| 343 | 20.770 | 20.719 | 20.784 | HH | 171570     | 6614899  | 49.99%  | 1.480% |
| 344 | 20.803 | 20.784 | 20.841 | HH | 175261     | 5867741  | 44.35%  | 1.313% |
| 345 | 20.850 | 20.841 | 20.859 | HH | 173600     | 1890378  | 14.29%  | 0.423% |
| 346 | 20.881 | 20.859 | 20.894 | HH | 173142     | 3604186  | 27.24%  | 0.806% |
| 347 | 20.908 | 20.894 | 21.018 | HH | 172069     | 12434531 | 93.97%  | 2.782% |
| 348 | 21.074 | 21.018 | 21.106 | HH | 171757     | 8728711  | 65.97%  | 1.953% |
| 349 | 21.114 | 21.106 | 21.152 | HH | 165771     | 4593570  | 34.72%  | 1.028% |
| 350 | 21.178 | 21.152 | 21.202 | HH | 166249     | 4918681  | 37.17%  | 1.101% |
| 351 | 21.212 | 21.202 | 21.224 | HH | 163464     | 2108716  | 15.94%  | 0.472% |

|     |        |        |        |     |                                   |          |        |        |
|-----|--------|--------|--------|-----|-----------------------------------|----------|--------|--------|
|     |        |        |        |     | rteres.txt                        |          |        |        |
| 352 | 21.232 | 21.224 | 21.242 | HH  | 161452                            | 1770689  | 13.38% | 0.396% |
| 353 | 21.251 | 21.242 | 21.310 | HH  | 161082                            | 6476225  | 48.94% | 1.449% |
| 354 | 21.322 | 21.310 | 21.383 | HH  | 157469                            | 6759184  | 51.08% | 1.512% |
| 355 | 21.418 | 21.383 | 21.431 | HH  | 154205                            | 4344326  | 32.83% | 0.972% |
| 356 | 21.472 | 21.431 | 21.481 | HH  | 158324                            | 4679777  | 35.37% | 1.047% |
| 357 | 21.529 | 21.481 | 21.594 | HH  | 166046                            | 10801331 | 81.63% | 2.417% |
| 358 | 21.607 | 21.594 | 21.620 | HH  | 153661                            | 2372257  | 17.93% | 0.531% |
| 359 | 21.630 | 21.620 | 21.659 | HH  | 151202                            | 3493437  | 26.40% | 0.782% |
| 360 | 21.666 | 21.659 | 21.739 | HH  | 151114                            | 7195589  | 54.38% | 1.610% |
| 361 | 21.748 | 21.739 | 21.801 | HHA | 149682                            | 5518667  | 41.71% | 1.235% |
|     |        |        |        |     | Sum of corrected areas: 446944542 |          |        |        |

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