

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF092118\  
 Data File : FF002180.D  
 Signal(s) : FID2B.ch  
 Acq On : 21 Sep 2018 16:14  
 Sample : J4777-29 10X  
 Misc :  
 ALS Vial : 59 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF083018.M  
 Title :

Signal : FID2B.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         | 4.042       | 4.012        | 4.096      | BH       | 6              | -5493        | -0.33%         | -0.014%       |
| 2         | 4.114       | 4.096        | 4.147      | PH       | 66             | -3725        | -0.23%         | -0.009%       |
| 3         | 4.156       | 4.147        | 4.191      | PH       | -134           | -4637        | -0.28%         | -0.011%       |
| 4         | 4.220       | 4.191        | 4.226      | PH       | 116            | -501         | -0.03%         | -0.001%       |
| 5         | 4.243       | 4.226        | 4.291      | PH       | 452            | 8461         | 0.52%          | 0.021%        |
| 6         | 4.311       | 4.291        | 4.342      | PH       | 705            | 9095         | 0.55%          | 0.022%        |
| 7         | 4.356       | 4.342        | 4.364      | HH       | 375            | 3465         | 0.21%          | 0.009%        |
| 8         | 4.373       | 4.364        | 4.395      | HH       | 400            | 4227         | 0.26%          | 0.010%        |
| 9         | 4.415       | 4.395        | 4.423      | PH       | 252            | 1919         | 0.12%          | 0.005%        |
| 10        | 4.444       | 4.423        | 4.461      | HH       | 2093           | 22330        | 1.36%          | 0.055%        |
| 11        | 4.471       | 4.461        | 4.496      | HH       | 685            | 7850         | 0.48%          | 0.019%        |
| 12        | 4.514       | 4.496        | 4.546      | HH       | 601            | 8849         | 0.54%          | 0.022%        |
| 13        | 4.578       | 4.546        | 4.595      | PH       | 495            | 4914         | 0.30%          | 0.012%        |
| 14        | 4.608       | 4.595        | 4.642      | PH       | 233            | 1818         | 0.11%          | 0.004%        |
| 15        | 4.665       | 4.642        | 4.679      | PH       | 684            | 7740         | 0.47%          | 0.019%        |
| 16        | 4.685       | 4.679        | 4.716      | HH       | 287            | 2612         | 0.16%          | 0.006%        |
| 17        | 4.755       | 4.716        | 4.767      | PH       | 882            | 12170        | 0.74%          | 0.030%        |
| 18        | 4.772       | 4.767        | 4.788      | HH       | 662            | 5802         | 0.35%          | 0.014%        |
| 19        | 4.804       | 4.788        | 4.822      | HH       | 472            | 6333         | 0.39%          | 0.016%        |
| 20        | 4.855       | 4.822        | 4.866      | HH       | 529            | 7750         | 0.47%          | 0.019%        |
| 21        | 4.880       | 4.866        | 4.914      | HH       | 680            | 16647        | 1.01%          | 0.041%        |
| 22        | 4.925       | 4.914        | 4.962      | HH       | 836            | 17281        | 1.05%          | 0.043%        |
| 23        | 4.973       | 4.962        | 4.983      | HH       | 720            | 7976         | 0.49%          | 0.020%        |
| 24        | 4.996       | 4.983        | 5.041      | HH       | 915            | 21117        | 1.29%          | 0.052%        |
| 25        | 5.053       | 5.041        | 5.074      | HH       | 460            | 6467         | 0.39%          | 0.016%        |
| 26        | 5.096       | 5.074        | 5.118      | HH       | 2084           | 28525        | 1.74%          | 0.070%        |
| 27        | 5.123       | 5.118        | 5.129      | HH       | 638            | 4056         | 0.25%          | 0.010%        |
| 28        | 5.138       | 5.129        | 5.142      | HH       | 742            | 5566         | 0.34%          | 0.014%        |
| 29        | 5.146       | 5.142        | 5.149      | HH       | 743            | 2788         | 0.17%          | 0.007%        |
| 30        | 5.153       | 5.149        | 5.187      | HH       | 821            | 15764        | 0.96%          | 0.039%        |
| 31        | 5.208       | 5.187        | 5.231      | HH       | 931            | 17695        | 1.08%          | 0.044%        |
| 32        | 5.251       | 5.231        | 5.269      | HH       | 2236           | 32196        | 1.96%          | 0.079%        |
| 33        | 5.299       | 5.269        | 5.322      | HH       | 1968           | 39423        | 2.40%          | 0.097%        |
| 34        | 5.334       | 5.322        | 5.353      | HH       | 1104           | 16184        | 0.99%          | 0.040%        |
| 35        | 5.374       | 5.353        | 5.412      | HH       | 2276           | 52430        | 3.19%          | 0.129%        |
| 36        | 5.433       | 5.412        | 5.457      | HH       | 1365           | 30366        | 1.85%          | 0.075%        |

| rteres.txt |       |       |       |    |      |        |        |        |
|------------|-------|-------|-------|----|------|--------|--------|--------|
| 37         | 5.463 | 5.457 | 5.466 | HH | 1080 | 5199   | 0.32%  | 0.013% |
| 38         | 5.489 | 5.466 | 5.516 | HH | 1586 | 32710  | 1.99%  | 0.081% |
| 39         | 5.539 | 5.516 | 5.567 | HH | 1484 | 32100  | 1.96%  | 0.079% |
| 40         | 5.587 | 5.567 | 5.605 | HH | 1511 | 29032  | 1.77%  | 0.072% |
| 41         | 5.610 | 5.605 | 5.619 | HH | 1195 | 9420   | 0.57%  | 0.023% |
| 42         | 5.633 | 5.619 | 5.654 | HH | 1330 | 23870  | 1.45%  | 0.059% |
| 43         | 5.673 | 5.654 | 5.692 | HH | 1449 | 29551  | 1.80%  | 0.073% |
| 44         | 5.707 | 5.692 | 5.725 | HH | 1486 | 25221  | 1.54%  | 0.062% |
| 45         | 5.760 | 5.725 | 5.778 | HH | 1941 | 48773  | 2.97%  | 0.120% |
| 46         | 5.795 | 5.778 | 5.817 | HH | 1998 | 41406  | 2.52%  | 0.102% |
| 47         | 5.826 | 5.817 | 5.847 | HH | 1669 | 29265  | 1.78%  | 0.072% |
| 48         | 5.869 | 5.847 | 5.891 | HH | 2794 | 55960  | 3.41%  | 0.138% |
| 49         | 5.911 | 5.891 | 5.923 | HH | 2196 | 38459  | 2.34%  | 0.095% |
| 50         | 5.943 | 5.923 | 5.972 | HH | 3080 | 74209  | 4.52%  | 0.183% |
| 51         | 5.985 | 5.972 | 5.994 | HH | 2420 | 30038  | 1.83%  | 0.074% |
| 52         | 6.010 | 5.994 | 6.042 | HH | 2706 | 62113  | 3.78%  | 0.153% |
| 53         | 6.051 | 6.042 | 6.060 | HH | 1577 | 16886  | 1.03%  | 0.042% |
| 54         | 6.084 | 6.060 | 6.107 | HH | 2491 | 57622  | 3.51%  | 0.142% |
| 55         | 6.125 | 6.107 | 6.136 | HH | 2177 | 34174  | 2.08%  | 0.084% |
| 56         | 6.151 | 6.136 | 6.168 | HH | 2409 | 41613  | 2.53%  | 0.103% |
| 57         | 6.182 | 6.168 | 6.191 | HH | 2370 | 29233  | 1.78%  | 0.072% |
| 58         | 6.234 | 6.191 | 6.267 | HH | 8859 | 203159 | 12.38% | 0.501% |
| 59         | 6.284 | 6.267 | 6.292 | HH | 2741 | 37051  | 2.26%  | 0.091% |
| 60         | 6.305 | 6.292 | 6.326 | HH | 2866 | 54168  | 3.30%  | 0.134% |
| 61         | 6.348 | 6.326 | 6.362 | HH | 3764 | 65237  | 3.97%  | 0.161% |
| 62         | 6.376 | 6.362 | 6.389 | HH | 3069 | 45700  | 2.78%  | 0.113% |
| 63         | 6.402 | 6.389 | 6.423 | HH | 3064 | 54964  | 3.35%  | 0.136% |
| 64         | 6.444 | 6.423 | 6.482 | HH | 3159 | 90254  | 5.50%  | 0.223% |
| 65         | 6.500 | 6.482 | 6.514 | HH | 3377 | 53820  | 3.28%  | 0.133% |
| 66         | 6.536 | 6.514 | 6.552 | HH | 4957 | 85013  | 5.18%  | 0.210% |
| 67         | 6.572 | 6.552 | 6.594 | HH | 3962 | 90851  | 5.53%  | 0.224% |
| 68         | 6.611 | 6.594 | 6.637 | HH | 3601 | 86243  | 5.25%  | 0.213% |
| 69         | 6.653 | 6.637 | 6.672 | HH | 3758 | 74496  | 4.54%  | 0.184% |
| 70         | 6.690 | 6.672 | 6.731 | HH | 3812 | 108164 | 6.59%  | 0.267% |
| 71         | 6.762 | 6.731 | 6.787 | HH | 9353 | 167895 | 10.23% | 0.414% |
| 72         | 6.820 | 6.787 | 6.833 | HH | 3837 | 93224  | 5.68%  | 0.230% |
| 73         | 6.851 | 6.833 | 6.899 | HH | 4258 | 143421 | 8.74%  | 0.354% |
| 74         | 6.937 | 6.899 | 6.974 | HH | 3718 | 148329 | 9.04%  | 0.366% |
| 75         | 6.987 | 6.974 | 6.992 | HH | 3509 | 37569  | 2.29%  | 0.093% |
| 76         | 6.995 | 6.992 | 7.004 | HH | 3353 | 23246  | 1.42%  | 0.057% |
| 77         | 7.030 | 7.004 | 7.044 | HH | 3815 | 86044  | 5.24%  | 0.212% |
| 78         | 7.084 | 7.044 | 7.121 | HH | 4207 | 176510 | 10.75% | 0.435% |
| 79         | 7.152 | 7.121 | 7.180 | HH | 5984 | 161832 | 9.86%  | 0.399% |
| 80         | 7.194 | 7.180 | 7.224 | HH | 3898 | 92949  | 5.66%  | 0.229% |
| 81         | 7.245 | 7.224 | 7.274 | HH | 5191 | 118720 | 7.23%  | 0.293% |
| 82         | 7.301 | 7.274 | 7.346 | HH | 7089 | 207551 | 12.64% | 0.512% |
| 83         | 7.364 | 7.346 | 7.379 | HH | 3969 | 73915  | 4.50%  | 0.182% |
| 84         | 7.393 | 7.379 | 7.419 | HH | 4355 | 94911  | 5.78%  | 0.234% |
| 85         | 7.437 | 7.419 | 7.457 | HH | 4063 | 86298  | 5.26%  | 0.213% |
| 86         | 7.484 | 7.457 | 7.497 | HH | 4341 | 95352  | 5.81%  | 0.235% |
| 87         | 7.508 | 7.497 | 7.514 | HH | 4206 | 40880  | 2.49%  | 0.101% |
| 88         | 7.546 | 7.514 | 7.555 | HH | 4818 | 112596 | 6.86%  | 0.278% |
| 89         | 7.573 | 7.555 | 7.610 | HH | 5020 | 145870 | 8.89%  | 0.360% |

|     |       |       |       |    |            |        |        |        |
|-----|-------|-------|-------|----|------------|--------|--------|--------|
|     |       |       |       |    | rteres.txt |        |        |        |
| 90  | 7.624 | 7.610 | 7.642 | HH | 4080       | 74765  | 4.55%  | 0.184% |
| 91  | 7.667 | 7.642 | 7.686 | HH | 7909       | 147950 | 9.01%  | 0.365% |
| 92  | 7.705 | 7.686 | 7.739 | HH | 8302       | 179618 | 10.94% | 0.443% |
| 93  | 7.757 | 7.739 | 7.764 | HH | 4127       | 59976  | 3.65%  | 0.148% |
| 94  | 7.780 | 7.764 | 7.793 | HH | 4600       | 74925  | 4.56%  | 0.185% |
| 95  | 7.823 | 7.793 | 7.846 | HH | 5086       | 149815 | 9.13%  | 0.369% |
| 96  | 7.871 | 7.846 | 7.877 | HH | 5146       | 92330  | 5.62%  | 0.228% |
| 97  | 7.896 | 7.877 | 7.932 | HH | 5645       | 166554 | 10.15% | 0.411% |
| 98  | 7.982 | 7.932 | 8.007 | HH | 7500       | 256915 | 15.65% | 0.633% |
| 99  | 8.015 | 8.007 | 8.031 | HH | 6023       | 86436  | 5.27%  | 0.213% |
| 100 | 8.044 | 8.031 | 8.062 | HH | 5749       | 102114 | 6.22%  | 0.252% |
| 101 | 8.083 | 8.062 | 8.105 | HH | 6185       | 146372 | 8.92%  | 0.361% |
| 102 | 8.110 | 8.105 | 8.179 | HH | 5450       | 217422 | 13.24% | 0.536% |
| 103 | 8.200 | 8.179 | 8.251 | HH | 5623       | 219724 | 13.38% | 0.542% |
| 104 | 8.271 | 8.251 | 8.286 | HH | 5808       | 109913 | 6.70%  | 0.271% |
| 105 | 8.294 | 8.286 | 8.322 | HH | 5076       | 107246 | 6.53%  | 0.264% |
| 106 | 8.339 | 8.322 | 8.359 | HH | 5807       | 120446 | 7.34%  | 0.297% |
| 107 | 8.380 | 8.359 | 8.422 | HH | 7369       | 210510 | 12.82% | 0.519% |
| 108 | 8.441 | 8.422 | 8.464 | HH | 6489       | 132198 | 8.05%  | 0.326% |
| 109 | 8.499 | 8.464 | 8.511 | HH | 5432       | 137929 | 8.40%  | 0.340% |
| 110 | 8.527 | 8.511 | 8.539 | HH | 5313       | 85725  | 5.22%  | 0.211% |
| 111 | 8.574 | 8.539 | 8.591 | HH | 5675       | 167580 | 10.21% | 0.413% |
| 112 | 8.619 | 8.591 | 8.650 | HH | 5633       | 181296 | 11.04% | 0.447% |
| 113 | 8.681 | 8.650 | 8.722 | HH | 5821       | 218879 | 13.33% | 0.540% |
| 114 | 8.744 | 8.722 | 8.764 | HH | 5245       | 119994 | 7.31%  | 0.296% |
| 115 | 8.795 | 8.764 | 8.817 | HH | 4641       | 141113 | 8.60%  | 0.348% |
| 116 | 8.852 | 8.817 | 8.879 | HH | 5140       | 171223 | 10.43% | 0.422% |
| 117 | 8.896 | 8.879 | 8.920 | HH | 4612       | 107083 | 6.52%  | 0.264% |
| 118 | 8.941 | 8.920 | 8.983 | HH | 4701       | 161975 | 9.87%  | 0.399% |
| 119 | 9.001 | 8.983 | 9.008 | HH | 4439       | 63048  | 3.84%  | 0.155% |
| 120 | 9.027 | 9.008 | 9.062 | HH | 5263       | 155528 | 9.47%  | 0.383% |
| 121 | 9.092 | 9.062 | 9.126 | HH | 5856       | 194564 | 11.85% | 0.480% |
| 122 | 9.129 | 9.126 | 9.173 | HH | 4872       | 131202 | 7.99%  | 0.324% |
| 123 | 9.196 | 9.173 | 9.246 | HH | 5217       | 196441 | 11.97% | 0.484% |
| 124 | 9.267 | 9.246 | 9.304 | HH | 4218       | 141607 | 8.63%  | 0.349% |
| 125 | 9.316 | 9.304 | 9.324 | HH | 4078       | 47489  | 2.89%  | 0.117% |
| 126 | 9.344 | 9.324 | 9.349 | HH | 4156       | 61798  | 3.76%  | 0.152% |
| 127 | 9.355 | 9.349 | 9.370 | HH | 4135       | 51391  | 3.13%  | 0.127% |
| 128 | 9.393 | 9.370 | 9.424 | HH | 4696       | 140767 | 8.57%  | 0.347% |
| 129 | 9.446 | 9.424 | 9.464 | HH | 4973       | 109176 | 6.65%  | 0.269% |
| 130 | 9.486 | 9.464 | 9.507 | HH | 4738       | 114930 | 7.00%  | 0.283% |
| 131 | 9.513 | 9.507 | 9.552 | HH | 4309       | 110256 | 6.72%  | 0.272% |
| 132 | 9.560 | 9.552 | 9.567 | HH | 3889       | 34862  | 2.12%  | 0.086% |
| 133 | 9.571 | 9.567 | 9.614 | HH | 3895       | 105745 | 6.44%  | 0.261% |
| 134 | 9.625 | 9.614 | 9.637 | HH | 3695       | 50011  | 3.05%  | 0.123% |
| 135 | 9.656 | 9.637 | 9.696 | HH | 3891       | 129985 | 7.92%  | 0.321% |
| 136 | 9.711 | 9.696 | 9.725 | HH | 3535       | 58446  | 3.56%  | 0.144% |
| 137 | 9.741 | 9.725 | 9.754 | HH | 3609       | 61494  | 3.75%  | 0.152% |
| 138 | 9.781 | 9.754 | 9.794 | HH | 3862       | 90781  | 5.53%  | 0.224% |
| 139 | 9.826 | 9.794 | 9.851 | HH | 5053       | 147973 | 9.01%  | 0.365% |
| 140 | 9.858 | 9.851 | 9.873 | HH | 3818       | 49414  | 3.01%  | 0.122% |
| 141 | 9.894 | 9.873 | 9.908 | HH | 4146       | 81344  | 4.96%  | 0.201% |

|     |        |        |        |    |            |        |       |        |  |
|-----|--------|--------|--------|----|------------|--------|-------|--------|--|
|     |        |        |        |    | rteres.txt |        |       |        |  |
| 142 | 9.913  | 9.908  | 9.915  | HH | 3933       | 18276  | 1.11% | 0.045% |  |
| 143 | 9.922  | 9.915  | 9.937  | HH | 4093       | 50764  | 3.09% | 0.125% |  |
| 144 | 9.955  | 9.937  | 9.992  | HH | 4273       | 126519 | 7.71% | 0.312% |  |
| 145 | 10.003 | 9.992  | 10.037 | HH | 3319       | 85414  | 5.20% | 0.211% |  |
| 146 | 10.054 | 10.037 | 10.064 | HH | 3366       | 50699  | 3.09% | 0.125% |  |
| 147 | 10.108 | 10.064 | 10.131 | HH | 3655       | 141614 | 8.63% | 0.349% |  |
| 148 | 10.152 | 10.131 | 10.162 | HH | 3643       | 65351  | 3.98% | 0.161% |  |
| 149 | 10.178 | 10.162 | 10.214 | HH | 3814       | 111964 | 6.82% | 0.276% |  |
| 150 | 10.244 | 10.214 | 10.270 | HH | 4532       | 126977 | 7.73% | 0.313% |  |
| 151 | 10.273 | 10.270 | 10.294 | HH | 3390       | 47744  | 2.91% | 0.118% |  |
| 152 | 10.307 | 10.294 | 10.334 | HH | 3407       | 75561  | 4.60% | 0.186% |  |
| 153 | 10.349 | 10.334 | 10.369 | HH | 3017       | 61518  | 3.75% | 0.152% |  |
| 154 | 10.389 | 10.369 | 10.424 | HH | 3480       | 104769 | 6.38% | 0.258% |  |
| 155 | 10.434 | 10.424 | 10.439 | HH | 3193       | 28040  | 1.71% | 0.069% |  |
| 156 | 10.443 | 10.439 | 10.452 | HH | 3074       | 24184  | 1.47% | 0.060% |  |
| 157 | 10.458 | 10.452 | 10.461 | HH | 2984       | 15563  | 0.95% | 0.038% |  |
| 158 | 10.469 | 10.461 | 10.477 | HH | 3000       | 28775  | 1.75% | 0.071% |  |
| 159 | 10.499 | 10.477 | 10.539 | HH | 3040       | 107967 | 6.58% | 0.266% |  |
| 160 | 10.559 | 10.539 | 10.609 | HH | 3279       | 122666 | 7.47% | 0.302% |  |
| 161 | 10.612 | 10.609 | 10.622 | HH | 2669       | 21378  | 1.30% | 0.053% |  |
| 162 | 10.635 | 10.622 | 10.658 | HH | 2821       | 58009  | 3.53% | 0.143% |  |
| 163 | 10.666 | 10.658 | 10.672 | HH | 2872       | 24816  | 1.51% | 0.061% |  |
| 164 | 10.687 | 10.672 | 10.696 | HH | 2884       | 40272  | 2.45% | 0.099% |  |
| 165 | 10.705 | 10.696 | 10.714 | HH | 2809       | 28541  | 1.74% | 0.070% |  |
| 166 | 10.729 | 10.714 | 10.769 | HH | 2797       | 89385  | 5.44% | 0.220% |  |
| 167 | 10.777 | 10.769 | 10.790 | HH | 2665       | 32617  | 1.99% | 0.080% |  |
| 168 | 10.810 | 10.790 | 10.816 | HH | 2748       | 42328  | 2.58% | 0.104% |  |
| 169 | 10.829 | 10.816 | 10.850 | HH | 2781       | 54219  | 3.30% | 0.134% |  |
| 170 | 10.881 | 10.850 | 10.932 | HH | 3425       | 143121 | 8.72% | 0.353% |  |
| 171 | 10.961 | 10.932 | 11.007 | HH | 4019       | 140089 | 8.53% | 0.345% |  |
| 172 | 11.013 | 11.007 | 11.017 | HH | 2584       | 15635  | 0.95% | 0.039% |  |
| 173 | 11.023 | 11.017 | 11.057 | HH | 2623       | 59342  | 3.61% | 0.146% |  |
| 174 | 11.079 | 11.057 | 11.089 | HH | 2504       | 45279  | 2.76% | 0.112% |  |
| 175 | 11.108 | 11.089 | 11.115 | HH | 2550       | 39374  | 2.40% | 0.097% |  |
| 176 | 11.141 | 11.115 | 11.147 | HH | 2890       | 51596  | 3.14% | 0.127% |  |
| 177 | 11.159 | 11.147 | 11.217 | HH | 2916       | 110357 | 6.72% | 0.272% |  |
| 178 | 11.223 | 11.217 | 11.235 | HH | 2619       | 28279  | 1.72% | 0.070% |  |
| 179 | 11.241 | 11.235 | 11.246 | HH | 2581       | 15550  | 0.95% | 0.038% |  |
| 180 | 11.247 | 11.246 | 11.251 | HH | 2593       | 7542   | 0.46% | 0.019% |  |
| 181 | 11.266 | 11.251 | 11.293 | HH | 2654       | 63294  | 3.86% | 0.156% |  |
| 182 | 11.300 | 11.293 | 11.302 | HH | 2479       | 12482  | 0.76% | 0.031% |  |
| 183 | 11.333 | 11.302 | 11.349 | HH | 2857       | 75484  | 4.60% | 0.186% |  |
| 184 | 11.354 | 11.349 | 11.367 | HH | 2626       | 28214  | 1.72% | 0.070% |  |
| 185 | 11.372 | 11.367 | 11.399 | HH | 2618       | 48356  | 2.95% | 0.119% |  |
| 186 | 11.409 | 11.399 | 11.414 | HH | 2579       | 23349  | 1.42% | 0.058% |  |
| 187 | 11.418 | 11.414 | 11.430 | HH | 2586       | 23929  | 1.46% | 0.059% |  |
| 188 | 11.442 | 11.430 | 11.464 | HH | 2556       | 51467  | 3.14% | 0.127% |  |
| 189 | 11.475 | 11.464 | 11.487 | HH | 2582       | 35736  | 2.18% | 0.088% |  |
| 190 | 11.513 | 11.487 | 11.529 | HH | 2898       | 68128  | 4.15% | 0.168% |  |
| 191 | 11.546 | 11.529 | 11.606 | HH | 3067       | 126500 | 7.71% | 0.312% |  |
| 192 | 11.608 | 11.606 | 11.612 | HH | 2589       | 8833   | 0.54% | 0.022% |  |
| 193 | 11.618 | 11.612 | 11.632 | HH | 2618       | 31222  | 1.90% | 0.077% |  |
| 194 | 11.656 | 11.632 | 11.684 | HH | 2772       | 81560  | 4.97% | 0.201% |  |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 195 | 11.687 | 11.684 | 11.703 | HH | 2549       | 27748  | 1.69%  | 0.068% |
| 196 | 11.728 | 11.703 | 11.759 | HH | 2738       | 88527  | 5.39%  | 0.218% |
| 197 | 11.764 | 11.759 | 11.769 | HH | 2672       | 16237  | 0.99%  | 0.040% |
| 198 | 11.774 | 11.769 | 11.782 | HH | 2653       | 19605  | 1.19%  | 0.048% |
| 199 | 11.817 | 11.782 | 11.860 | HH | 2782       | 121557 | 7.40%  | 0.300% |
| 200 | 11.880 | 11.860 | 11.886 | HH | 2580       | 40857  | 2.49%  | 0.101% |
| 201 | 11.920 | 11.886 | 11.948 | HH | 2851       | 100361 | 6.11%  | 0.247% |
| 202 | 11.955 | 11.948 | 11.961 | HH | 2779       | 21655  | 1.32%  | 0.053% |
| 203 | 11.965 | 11.961 | 11.970 | HH | 2822       | 15964  | 0.97%  | 0.039% |
| 204 | 12.005 | 11.970 | 12.040 | HH | 3082       | 121778 | 7.42%  | 0.300% |
| 205 | 12.100 | 12.040 | 12.121 | HH | 3167       | 144269 | 8.79%  | 0.356% |
| 206 | 12.129 | 12.121 | 12.152 | HH | 3145       | 57438  | 3.50%  | 0.142% |
| 207 | 12.180 | 12.152 | 12.216 | HH | 4152       | 133801 | 8.15%  | 0.330% |
| 208 | 12.255 | 12.216 | 12.277 | HH | 3798       | 127003 | 7.74%  | 0.313% |
| 209 | 12.292 | 12.277 | 12.329 | HH | 3558       | 106361 | 6.48%  | 0.262% |
| 210 | 12.363 | 12.329 | 12.382 | HH | 3797       | 116014 | 7.07%  | 0.286% |
| 211 | 12.392 | 12.382 | 12.404 | HH | 3910       | 49654  | 3.02%  | 0.122% |
| 212 | 12.412 | 12.404 | 12.482 | HH | 3907       | 175954 | 10.72% | 0.434% |
| 213 | 12.559 | 12.482 | 12.601 | HH | 3916       | 266462 | 16.23% | 0.657% |
| 214 | 12.673 | 12.601 | 12.699 | HH | 4740       | 256980 | 15.65% | 0.634% |
| 215 | 12.709 | 12.699 | 12.718 | HH | 4582       | 53118  | 3.24%  | 0.131% |
| 216 | 12.735 | 12.718 | 12.764 | HH | 4551       | 120894 | 7.36%  | 0.298% |
| 217 | 12.792 | 12.764 | 12.814 | HH | 5118       | 140316 | 8.55%  | 0.346% |
| 218 | 12.837 | 12.814 | 12.872 | HH | 4814       | 158332 | 9.64%  | 0.390% |
| 219 | 12.896 | 12.872 | 12.903 | HH | 4566       | 84106  | 5.12%  | 0.207% |
| 220 | 12.915 | 12.903 | 12.932 | HH | 4600       | 78799  | 4.80%  | 0.194% |
| 221 | 12.939 | 12.932 | 12.961 | HH | 4587       | 76441  | 4.66%  | 0.188% |
| 222 | 12.967 | 12.961 | 12.986 | HH | 4501       | 65974  | 4.02%  | 0.163% |
| 223 | 13.011 | 12.986 | 13.042 | HH | 4759       | 155895 | 9.50%  | 0.384% |
| 224 | 13.062 | 13.042 | 13.072 | HH | 4801       | 83869  | 5.11%  | 0.207% |
| 225 | 13.091 | 13.072 | 13.102 | HH | 4870       | 84527  | 5.15%  | 0.208% |
| 226 | 13.112 | 13.102 | 13.140 | HH | 4865       | 110353 | 6.72%  | 0.272% |
| 227 | 13.152 | 13.140 | 13.160 | HH | 4864       | 57836  | 3.52%  | 0.143% |
| 228 | 13.206 | 13.160 | 13.239 | HH | 5328       | 239629 | 14.60% | 0.591% |
| 229 | 13.284 | 13.239 | 13.310 | HH | 5522       | 226438 | 13.79% | 0.558% |
| 230 | 13.339 | 13.310 | 13.350 | HH | 6217       | 137355 | 8.37%  | 0.339% |
| 231 | 13.372 | 13.350 | 13.407 | HH | 7010       | 215418 | 13.12% | 0.531% |
| 232 | 13.430 | 13.407 | 13.453 | HH | 5859       | 158035 | 9.63%  | 0.390% |
| 233 | 13.461 | 13.453 | 13.474 | HH | 5836       | 73601  | 4.48%  | 0.181% |
| 234 | 13.493 | 13.474 | 13.526 | HH | 6173       | 185106 | 11.28% | 0.456% |
| 235 | 13.546 | 13.526 | 13.579 | HH | 6116       | 189721 | 11.56% | 0.468% |
| 236 | 13.596 | 13.579 | 13.627 | HH | 6269       | 180003 | 10.96% | 0.444% |
| 237 | 13.659 | 13.627 | 13.692 | HH | 6370       | 239554 | 14.59% | 0.591% |
| 238 | 13.743 | 13.692 | 13.764 | HH | 6810       | 276009 | 16.81% | 0.681% |
| 239 | 13.785 | 13.764 | 13.819 | HH | 6866       | 220517 | 13.43% | 0.544% |
| 240 | 13.845 | 13.819 | 13.887 | HH | 7483       | 284576 | 17.33% | 0.702% |
| 241 | 13.932 | 13.887 | 13.949 | HH | 8065       | 268996 | 16.39% | 0.663% |
| 242 | 13.963 | 13.949 | 13.992 | HH | 7653       | 197298 | 12.02% | 0.486% |
| 243 | 14.010 | 13.992 | 14.026 | HH | 7624       | 149780 | 9.12%  | 0.369% |
| 244 | 14.033 | 14.026 | 14.052 | HH | 7573       | 119112 | 7.26%  | 0.294% |
| 245 | 14.063 | 14.052 | 14.093 | HH | 7599       | 181400 | 11.05% | 0.447% |
| 246 | 14.148 | 14.093 | 14.174 | HH | 8186       | 373836 | 22.77% | 0.922% |

|     |        |        |        |     |                         |         |          |        |
|-----|--------|--------|--------|-----|-------------------------|---------|----------|--------|
|     |        |        |        |     | rteres.txt              |         |          |        |
| 247 | 14.207 | 14.174 | 14.231 | HH  | 8192                    | 273940  | 16.69%   | 0.675% |
| 248 | 14.266 | 14.231 | 14.299 | HH  | 19450                   | 499329  | 30.42%   | 1.231% |
| 249 | 14.311 | 14.299 | 14.334 | HH  | 8817                    | 181828  | 11.08%   | 0.448% |
| 250 | 14.350 | 14.334 | 14.363 | HH  | 8712                    | 147821  | 9.00%    | 0.364% |
| 251 | 14.377 | 14.363 | 14.392 | HH  | 8661                    | 152810  | 9.31%    | 0.377% |
| 252 | 14.438 | 14.392 | 14.456 | HH  | 10169                   | 352038  | 21.44%   | 0.868% |
| 253 | 14.470 | 14.456 | 14.494 | HH  | 10437                   | 224591  | 13.68%   | 0.554% |
| 254 | 14.607 | 14.494 | 14.638 | HH  | 10484                   | 838042  | 51.05%   | 2.066% |
| 255 | 14.662 | 14.638 | 14.687 | HH  | 10036                   | 293368  | 17.87%   | 0.723% |
| 256 | 14.734 | 14.687 | 14.762 | HH  | 10327                   | 450845  | 27.46%   | 1.112% |
| 257 | 14.772 | 14.762 | 14.791 | HH  | 10367                   | 176268  | 10.74%   | 0.435% |
| 258 | 14.801 | 14.791 | 14.822 | HH  | 10201                   | 190283  | 11.59%   | 0.469% |
| 259 | 14.875 | 14.822 | 14.963 | HH  | 13986                   | 1022816 | 62.30%   | 2.522% |
| 260 | 14.986 | 14.963 | 15.009 | HH  | 12937                   | 328506  | 20.01%   | 0.810% |
| 261 | 15.033 | 15.009 | 15.089 | HH  | 13774                   | 588409  | 35.84%   | 1.451% |
| 262 | 15.099 | 15.089 | 15.114 | HH  | 11675                   | 176220  | 10.73%   | 0.435% |
| 263 | 15.128 | 15.114 | 15.138 | HH  | 11632                   | 165702  | 10.09%   | 0.409% |
| 264 | 15.181 | 15.138 | 15.197 | HH  | 12222                   | 424181  | 25.84%   | 1.046% |
| 265 | 15.213 | 15.197 | 15.222 | HH  | 12326                   | 179945  | 10.96%   | 0.444% |
| 266 | 15.233 | 15.222 | 15.266 | HH  | 12208                   | 315189  | 19.20%   | 0.777% |
| 267 | 15.318 | 15.266 | 15.334 | HH  | 13052                   | 517158  | 31.50%   | 1.275% |
| 268 | 15.376 | 15.334 | 15.399 | HH  | 13454                   | 504186  | 30.71%   | 1.243% |
| 269 | 15.424 | 15.399 | 15.434 | HH  | 13419                   | 281090  | 17.12%   | 0.693% |
| 270 | 15.485 | 15.434 | 15.521 | HH  | 16052                   | 748187  | 45.58%   | 1.845% |
| 271 | 15.538 | 15.521 | 15.547 | HH  | 14487                   | 225370  | 13.73%   | 0.556% |
| 272 | 15.583 | 15.547 | 15.602 | HH  | 14505                   | 469956  | 28.63%   | 1.159% |
| 273 | 15.650 | 15.602 | 15.697 | HH  | 15567                   | 849075  | 51.72%   | 2.094% |
| 274 | 15.737 | 15.697 | 15.746 | HH  | 16493                   | 451619  | 27.51%   | 1.114% |
| 275 | 15.756 | 15.746 | 15.776 | HH  | 16334                   | 289681  | 17.65%   | 0.714% |
| 276 | 15.787 | 15.776 | 15.801 | HH  | 16182                   | 239719  | 14.60%   | 0.591% |
| 277 | 15.811 | 15.801 | 15.827 | HH  | 15963                   | 250936  | 15.29%   | 0.619% |
| 278 | 15.922 | 15.827 | 15.932 | HH  | 17256                   | 1039537 | 63.32%   | 2.563% |
| 279 | 15.967 | 15.932 | 15.999 | HH  | 19836                   | 719175  | 43.81%   | 1.773% |
| 280 | 16.037 | 15.999 | 16.061 | HH  | 18659                   | 673105  | 41.00%   | 1.660% |
| 281 | 16.095 | 16.061 | 16.105 | HH  | 19401                   | 505486  | 30.79%   | 1.246% |
| 282 | 16.131 | 16.105 | 16.144 | HH  | 20123                   | 457868  | 27.89%   | 1.129% |
| 283 | 16.152 | 16.144 | 16.172 | HH  | 20218                   | 334652  | 20.39%   | 0.825% |
| 284 | 16.196 | 16.172 | 16.229 | HH  | 20080                   | 664120  | 40.45%   | 1.638% |
| 285 | 16.263 | 16.229 | 16.270 | HH  | 19969                   | 485812  | 29.59%   | 1.198% |
| 286 | 16.292 | 16.270 | 16.329 | HH  | 20111                   | 697189  | 42.47%   | 1.719% |
| 287 | 16.429 | 16.329 | 16.452 | HH  | 27677                   | 1641645 | 100.00%  | 4.048% |
| 288 | 16.468 | 16.452 | 16.481 | HHA | 24500                   | 418423  | 25.49%   | 1.032% |
|     |        |        |        |     | Sum of corrected areas: |         | 40556653 |        |

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