

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032119\  
 Data File : FF003928.D  
 Signal(s) : FID2B.ch  
 Acq On : 21 Mar 2019 13:22  
 Sample : K1994-01 500X  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF030119.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         | 4.313       | 4.287        | 4.337      | HH       | 99916          | 1001590      | 21.29%         | 0.449%        |
| 2         | 4.353       | 4.337        | 4.368      | HH       | 21841          | 220374       | 4.68%          | 0.099%        |
| 3         | 4.384       | 4.368        | 4.401      | HH       | 16962          | 194860       | 4.14%          | 0.087%        |
| 4         | 4.414       | 4.401        | 4.442      | HH       | 7996           | 118144       | 2.51%          | 0.053%        |
| 5         | 4.461       | 4.442        | 4.494      | HH       | 13015          | 267925       | 5.69%          | 0.120%        |
| 6         | 4.509       | 4.494        | 4.524      | HH       | 11030          | 154457       | 3.28%          | 0.069%        |
| 7         | 4.536       | 4.524        | 4.550      | HH       | 9177           | 124111       | 2.64%          | 0.056%        |
| 8         | 4.567       | 4.550        | 4.582      | HH       | 38262          | 385327       | 8.19%          | 0.173%        |
| 9         | 4.593       | 4.582        | 4.607      | HH       | 18299          | 187260       | 3.98%          | 0.084%        |
| 10        | 4.624       | 4.607        | 4.633      | HH       | 16437          | 205317       | 4.36%          | 0.092%        |
| 11        | 4.643       | 4.633        | 4.656      | HH       | 19767          | 210989       | 4.48%          | 0.095%        |
| 12        | 4.664       | 4.656        | 4.673      | HH       | 13544          | 127331       | 2.71%          | 0.057%        |
| 13        | 4.690       | 4.673        | 4.706      | HH       | 39824          | 451485       | 9.60%          | 0.202%        |
| 14        | 4.730       | 4.706        | 4.750      | HH       | 33011          | 540536       | 11.49%         | 0.242%        |
| 15        | 4.779       | 4.750        | 4.799      | HH       | 37610          | 716291       | 15.22%         | 0.321%        |
| 16        | 4.806       | 4.799        | 4.818      | HH       | 8708           | 86255        | 1.83%          | 0.039%        |
| 17        | 4.839       | 4.818        | 4.856      | HH       | 21921          | 298911       | 6.35%          | 0.134%        |
| 18        | 4.869       | 4.856        | 4.891      | HH       | 11912          | 183437       | 3.90%          | 0.082%        |
| 19        | 4.924       | 4.891        | 4.938      | HH       | 26086          | 360735       | 7.67%          | 0.162%        |
| 20        | 4.955       | 4.938        | 4.980      | HH       | 54980          | 796692       | 16.93%         | 0.357%        |
| 21        | 4.997       | 4.980        | 5.016      | HH       | 40220          | 588179       | 12.50%         | 0.264%        |
| 22        | 5.030       | 5.016        | 5.043      | HH       | 39550          | 430391       | 9.15%          | 0.193%        |
| 23        | 5.056       | 5.043        | 5.096      | HH       | 36842          | 540709       | 11.49%         | 0.242%        |
| 24        | 5.110       | 5.096        | 5.129      | HH       | 7759           | 129949       | 2.76%          | 0.058%        |
| 25        | 5.150       | 5.129        | 5.163      | HH       | 21456          | 295879       | 6.29%          | 0.133%        |
| 26        | 5.173       | 5.163        | 5.186      | HH       | 17251          | 214850       | 4.57%          | 0.096%        |
| 27        | 5.216       | 5.186        | 5.229      | HH       | 33651          | 560147       | 11.90%         | 0.251%        |
| 28        | 5.240       | 5.229        | 5.258      | HH       | 36277          | 436415       | 9.28%          | 0.196%        |
| 29        | 5.268       | 5.258        | 5.279      | HH       | 14825          | 179761       | 3.82%          | 0.081%        |
| 30        | 5.300       | 5.279        | 5.317      | HH       | 22874          | 366413       | 7.79%          | 0.164%        |
| 31        | 5.353       | 5.317        | 5.405      | HH       | 214571         | 3186297      | 67.72%         | 1.428%        |
| 32        | 5.421       | 5.405        | 5.435      | HH       | 15666          | 228491       | 4.86%          | 0.102%        |
| 33        | 5.440       | 5.435        | 5.457      | HH       | 11012          | 125038       | 2.66%          | 0.056%        |
| 34        | 5.476       | 5.457        | 5.489      | HH       | 12696          | 202978       | 4.31%          | 0.091%        |
| 35        | 5.500       | 5.489        | 5.510      | HH       | 12050          | 145162       | 3.09%          | 0.065%        |
| 36        | 5.535       | 5.510        | 5.558      | HH       | 68625          | 1101094      | 23.40%         | 0.493%        |

| rteres |       |       |       |    |        |         |        |        |
|--------|-------|-------|-------|----|--------|---------|--------|--------|
| 37     | 5.565 | 5.558 | 5.581 | HH | 24634  | 262443  | 5.58%  | 0.118% |
| 38     | 5.607 | 5.581 | 5.615 | HH | 25475  | 385616  | 8.20%  | 0.173% |
| 39     | 5.632 | 5.615 | 5.673 | HH | 90072  | 1744017 | 37.07% | 0.782% |
| 40     | 5.696 | 5.673 | 5.708 | HH | 29669  | 537320  | 11.42% | 0.241% |
| 41     | 5.723 | 5.708 | 5.750 | HH | 85894  | 1144474 | 24.32% | 0.513% |
| 42     | 5.762 | 5.750 | 5.784 | HH | 33099  | 530174  | 11.27% | 0.238% |
| 43     | 5.807 | 5.784 | 5.827 | HH | 40408  | 670971  | 14.26% | 0.301% |
| 44     | 5.856 | 5.827 | 5.878 | HH | 39771  | 839896  | 17.85% | 0.376% |
| 45     | 5.906 | 5.878 | 5.924 | HH | 42880  | 871877  | 18.53% | 0.391% |
| 46     | 5.933 | 5.924 | 5.937 | HH | 34255  | 255038  | 5.42%  | 0.114% |
| 47     | 5.949 | 5.937 | 5.970 | HH | 47104  | 616890  | 13.11% | 0.276% |
| 48     | 5.993 | 5.970 | 6.012 | HH | 61522  | 870556  | 18.50% | 0.390% |
| 49     | 6.030 | 6.012 | 6.045 | HH | 63221  | 929957  | 19.76% | 0.417% |
| 50     | 6.054 | 6.045 | 6.066 | HH | 54606  | 590408  | 12.55% | 0.265% |
| 51     | 6.073 | 6.066 | 6.100 | HH | 39934  | 661556  | 14.06% | 0.296% |
| 52     | 6.116 | 6.100 | 6.136 | HH | 54736  | 782665  | 16.63% | 0.351% |
| 53     | 6.168 | 6.136 | 6.192 | HH | 49360  | 1150191 | 24.45% | 0.515% |
| 54     | 6.213 | 6.192 | 6.227 | HH | 29025  | 492562  | 10.47% | 0.221% |
| 55     | 6.266 | 6.227 | 6.296 | HH | 67340  | 1514884 | 32.20% | 0.679% |
| 56     | 6.307 | 6.296 | 6.313 | HH | 25758  | 252696  | 5.37%  | 0.113% |
| 57     | 6.336 | 6.313 | 6.382 | HH | 248341 | 3282707 | 69.77% | 1.471% |
| 58     | 6.395 | 6.382 | 6.404 | HH | 22136  | 270089  | 5.74%  | 0.121% |
| 59     | 6.421 | 6.404 | 6.431 | HH | 28346  | 403901  | 8.58%  | 0.181% |
| 60     | 6.450 | 6.431 | 6.466 | HH | 46022  | 780219  | 16.58% | 0.350% |
| 61     | 6.483 | 6.466 | 6.509 | HH | 100527 | 1411562 | 30.00% | 0.633% |
| 62     | 6.529 | 6.509 | 6.544 | HH | 49887  | 798314  | 16.97% | 0.358% |
| 63     | 6.554 | 6.544 | 6.567 | HH | 35029  | 415970  | 8.84%  | 0.186% |
| 64     | 6.581 | 6.567 | 6.589 | HH | 29065  | 356450  | 7.58%  | 0.160% |
| 65     | 6.611 | 6.589 | 6.631 | HH | 80585  | 1160740 | 24.67% | 0.520% |
| 66     | 6.654 | 6.631 | 6.661 | HH | 41850  | 587842  | 12.49% | 0.263% |
| 67     | 6.670 | 6.661 | 6.702 | HH | 47558  | 890478  | 18.93% | 0.399% |
| 68     | 6.731 | 6.702 | 6.758 | HH | 155777 | 2256185 | 47.95% | 1.011% |
| 69     | 6.768 | 6.758 | 6.782 | HH | 29542  | 392570  | 8.34%  | 0.176% |
| 70     | 6.802 | 6.782 | 6.817 | HH | 36226  | 648676  | 13.79% | 0.291% |
| 71     | 6.850 | 6.817 | 6.871 | HH | 71432  | 1531168 | 32.54% | 0.686% |
| 72     | 6.892 | 6.871 | 6.919 | HH | 88816  | 1419983 | 30.18% | 0.636% |
| 73     | 6.938 | 6.919 | 6.945 | HH | 68615  | 815975  | 17.34% | 0.366% |
| 74     | 6.958 | 6.945 | 6.980 | HH | 96807  | 1385474 | 29.45% | 0.621% |
| 75     | 6.995 | 6.980 | 7.015 | HH | 60941  | 889225  | 18.90% | 0.399% |
| 76     | 7.036 | 7.015 | 7.074 | HH | 99918  | 1817255 | 38.62% | 0.814% |
| 77     | 7.095 | 7.074 | 7.117 | HH | 51697  | 982605  | 20.88% | 0.440% |
| 78     | 7.135 | 7.117 | 7.152 | HH | 40477  | 665915  | 14.15% | 0.298% |
| 79     | 7.184 | 7.152 | 7.199 | HH | 32681  | 854753  | 18.17% | 0.383% |
| 80     | 7.237 | 7.199 | 7.243 | HH | 118195 | 1612956 | 34.28% | 0.723% |
| 81     | 7.259 | 7.243 | 7.281 | HH | 305366 | 3642552 | 77.42% | 1.633% |
| 82     | 7.294 | 7.281 | 7.318 | HH | 52573  | 996549  | 21.18% | 0.447% |
| 83     | 7.326 | 7.318 | 7.336 | HH | 44404  | 464703  | 9.88%  | 0.208% |
| 84     | 7.343 | 7.336 | 7.364 | HH | 43565  | 625427  | 13.29% | 0.280% |
| 85     | 7.378 | 7.364 | 7.405 | HH | 33993  | 746523  | 15.87% | 0.335% |
| 86     | 7.429 | 7.405 | 7.465 | HH | 98466  | 2070044 | 44.00% | 0.928% |
| 87     | 7.482 | 7.465 | 7.502 | HH | 45413  | 800924  | 17.02% | 0.359% |
| 88     | 7.522 | 7.502 | 7.535 | HH | 37839  | 616205  | 13.10% | 0.276% |
| 89     | 7.546 | 7.535 | 7.552 | HH | 32233  | 305303  | 6.49%  | 0.137% |

|     |       |       |       |    |        |         |        |        |
|-----|-------|-------|-------|----|--------|---------|--------|--------|
|     |       |       |       |    | rteres |         |        |        |
| 90  | 7.568 | 7.552 | 7.579 | HH | 55196  | 727128  | 15.45% | 0.326% |
| 91  | 7.589 | 7.579 | 7.607 | HH | 52377  | 745972  | 15.85% | 0.334% |
| 92  | 7.622 | 7.607 | 7.664 | HH | 47532  | 1266998 | 26.93% | 0.568% |
| 93  | 7.684 | 7.664 | 7.699 | HH | 54106  | 917647  | 19.50% | 0.411% |
| 94  | 7.714 | 7.699 | 7.725 | HH | 54121  | 777269  | 16.52% | 0.348% |
| 95  | 7.732 | 7.725 | 7.751 | HH | 51639  | 728332  | 15.48% | 0.326% |
| 96  | 7.776 | 7.751 | 7.797 | HH | 63110  | 1241393 | 26.38% | 0.556% |
| 97  | 7.823 | 7.797 | 7.841 | HH | 74784  | 1287077 | 27.35% | 0.577% |
| 98  | 7.858 | 7.841 | 7.868 | HH | 81586  | 1035558 | 22.01% | 0.464% |
| 99  | 7.881 | 7.868 | 7.906 | HH | 90279  | 1324809 | 28.16% | 0.594% |
| 100 | 7.949 | 7.906 | 7.980 | HH | 102688 | 2280901 | 48.48% | 1.022% |
| 101 | 7.999 | 7.980 | 8.017 | HH | 38612  | 788217  | 16.75% | 0.353% |
| 102 | 8.036 | 8.017 | 8.047 | HH | 60030  | 871819  | 18.53% | 0.391% |
| 103 | 8.051 | 8.047 | 8.065 | HH | 55040  | 548054  | 11.65% | 0.246% |
| 104 | 8.080 | 8.065 | 8.091 | HH | 55367  | 793755  | 16.87% | 0.356% |
| 105 | 8.129 | 8.091 | 8.152 | HH | 304177 | 4466207 | 94.92% | 2.002% |
| 106 | 8.172 | 8.152 | 8.190 | HH | 57379  | 1129678 | 24.01% | 0.506% |
| 107 | 8.201 | 8.190 | 8.207 | HH | 44404  | 457833  | 9.73%  | 0.205% |
| 108 | 8.226 | 8.207 | 8.256 | HH | 57165  | 1354598 | 28.79% | 0.607% |
| 109 | 8.286 | 8.256 | 8.300 | HH | 59257  | 1243661 | 26.43% | 0.557% |
| 110 | 8.311 | 8.300 | 8.325 | HH | 54804  | 742055  | 15.77% | 0.333% |
| 111 | 8.346 | 8.325 | 8.386 | HH | 71894  | 1780652 | 37.84% | 0.798% |
| 112 | 8.416 | 8.386 | 8.440 | HH | 44494  | 1220564 | 25.94% | 0.547% |
| 113 | 8.454 | 8.440 | 8.466 | HH | 38967  | 563082  | 11.97% | 0.252% |
| 114 | 8.497 | 8.466 | 8.511 | HH | 56947  | 1301981 | 27.67% | 0.584% |
| 115 | 8.519 | 8.511 | 8.527 | HH | 46834  | 428870  | 9.11%  | 0.192% |
| 116 | 8.546 | 8.527 | 8.559 | HH | 58153  | 1033023 | 21.96% | 0.463% |
| 117 | 8.577 | 8.559 | 8.596 | HH | 65681  | 1241463 | 26.39% | 0.556% |
| 118 | 8.618 | 8.596 | 8.631 | HH | 56159  | 1052847 | 22.38% | 0.472% |
| 119 | 8.664 | 8.631 | 8.689 | HH | 131579 | 2504988 | 53.24% | 1.123% |
| 120 | 8.716 | 8.689 | 8.732 | HH | 61480  | 1217304 | 25.87% | 0.546% |
| 121 | 8.739 | 8.732 | 8.752 | HH | 44628  | 497908  | 10.58% | 0.223% |
| 122 | 8.771 | 8.752 | 8.797 | HH | 48994  | 1192290 | 25.34% | 0.534% |
| 123 | 8.810 | 8.797 | 8.828 | HH | 49576  | 797868  | 16.96% | 0.358% |
| 124 | 8.839 | 8.828 | 8.857 | HH | 39505  | 665018  | 14.13% | 0.298% |
| 125 | 8.889 | 8.857 | 8.907 | HH | 49066  | 1306759 | 27.77% | 0.586% |
| 126 | 8.951 | 8.907 | 8.973 | HH | 314760 | 4678226 | 99.43% | 2.097% |
| 127 | 8.980 | 8.973 | 9.014 | HH | 55664  | 1146612 | 24.37% | 0.514% |
| 128 | 9.036 | 9.014 | 9.059 | HH | 54276  | 1198602 | 25.47% | 0.537% |
| 129 | 9.091 | 9.059 | 9.114 | HH | 45634  | 1359443 | 28.89% | 0.609% |
| 130 | 9.147 | 9.114 | 9.161 | HH | 45142  | 1117538 | 23.75% | 0.501% |
| 131 | 9.178 | 9.161 | 9.199 | HH | 49157  | 979855  | 20.83% | 0.439% |
| 132 | 9.231 | 9.199 | 9.245 | HH | 52304  | 1222230 | 25.98% | 0.548% |
| 133 | 9.250 | 9.245 | 9.265 | HH | 45098  | 511718  | 10.88% | 0.229% |
| 134 | 9.279 | 9.265 | 9.294 | HH | 43741  | 691306  | 14.69% | 0.310% |
| 135 | 9.324 | 9.294 | 9.354 | HH | 81133  | 2003530 | 42.58% | 0.898% |
| 136 | 9.368 | 9.354 | 9.380 | HH | 49690  | 710746  | 15.11% | 0.319% |
| 137 | 9.406 | 9.380 | 9.430 | HH | 64406  | 1654121 | 35.16% | 0.741% |
| 138 | 9.455 | 9.430 | 9.474 | HH | 66665  | 1334727 | 28.37% | 0.598% |
| 139 | 9.507 | 9.474 | 9.542 | HH | 64845  | 1970222 | 41.87% | 0.883% |
| 140 | 9.552 | 9.542 | 9.584 | HH | 39455  | 945308  | 20.09% | 0.424% |
| 141 | 9.608 | 9.584 | 9.624 | HH | 39504  | 894467  | 19.01% | 0.401% |

| rteres |        |        |        |    |        |         |         |        |
|--------|--------|--------|--------|----|--------|---------|---------|--------|
| 142    | 9.647  | 9.624  | 9.652  | HH | 42186  | 686179  | 14.58%  | 0.308% |
| 143    | 9.683  | 9.652  | 9.705  | HH | 62098  | 1612860 | 34.28%  | 0.723% |
| 144    | 9.729  | 9.705  | 9.775  | HH | 311386 | 4622051 | 98.23%  | 2.072% |
| 145    | 9.807  | 9.775  | 9.820  | HH | 43939  | 1098929 | 23.36%  | 0.493% |
| 146    | 9.830  | 9.820  | 9.873  | HH | 42480  | 1176736 | 25.01%  | 0.527% |
| 147    | 9.899  | 9.873  | 9.925  | HH | 43980  | 1192158 | 25.34%  | 0.534% |
| 148    | 9.939  | 9.925  | 9.952  | HH | 36754  | 582637  | 12.38%  | 0.261% |
| 149    | 9.967  | 9.952  | 9.985  | HH | 37189  | 728157  | 15.48%  | 0.326% |
| 150    | 10.000 | 9.985  | 10.030 | HH | 39166  | 991117  | 21.06%  | 0.444% |
| 151    | 10.075 | 10.030 | 10.087 | HH | 54008  | 1477232 | 31.40%  | 0.662% |
| 152    | 10.116 | 10.087 | 10.145 | HH | 127377 | 2642365 | 56.16%  | 1.184% |
| 153    | 10.168 | 10.145 | 10.188 | HH | 55767  | 1207364 | 25.66%  | 0.541% |
| 154    | 10.205 | 10.188 | 10.223 | HH | 60072  | 1065500 | 22.65%  | 0.478% |
| 155    | 10.238 | 10.223 | 10.243 | HH | 44613  | 518293  | 11.02%  | 0.232% |
| 156    | 10.261 | 10.243 | 10.287 | HH | 62073  | 1243865 | 26.44%  | 0.557% |
| 157    | 10.306 | 10.287 | 10.323 | HH | 37539  | 776981  | 16.51%  | 0.348% |
| 158    | 10.335 | 10.323 | 10.346 | HH | 37357  | 491079  | 10.44%  | 0.220% |
| 159    | 10.367 | 10.346 | 10.383 | HH | 44349  | 921862  | 19.59%  | 0.413% |
| 160    | 10.400 | 10.383 | 10.425 | HH | 43212  | 983334  | 20.90%  | 0.441% |
| 161    | 10.468 | 10.425 | 10.504 | HH | 280649 | 4705173 | 100.00% | 2.109% |
| 162    | 10.540 | 10.504 | 10.567 | HH | 136403 | 2840722 | 60.37%  | 1.273% |
| 163    | 10.580 | 10.567 | 10.629 | HH | 45971  | 1431959 | 30.43%  | 0.642% |
| 164    | 10.662 | 10.629 | 10.667 | HH | 37838  | 807893  | 17.17%  | 0.362% |
| 165    | 10.674 | 10.667 | 10.694 | HH | 37440  | 572898  | 12.18%  | 0.257% |
| 166    | 10.706 | 10.694 | 10.716 | HH | 36631  | 473732  | 10.07%  | 0.212% |
| 167    | 10.739 | 10.716 | 10.764 | HH | 38861  | 1052797 | 22.38%  | 0.472% |
| 168    | 10.792 | 10.764 | 10.827 | HH | 51167  | 1643210 | 34.92%  | 0.736% |
| 169    | 10.859 | 10.827 | 10.902 | HH | 60907  | 2017709 | 42.88%  | 0.904% |
| 170    | 10.922 | 10.902 | 10.956 | HH | 51043  | 1280059 | 27.21%  | 0.574% |
| 171    | 10.975 | 10.956 | 11.010 | HH | 45967  | 1178065 | 25.04%  | 0.528% |
| 172    | 11.027 | 11.010 | 11.052 | HH | 36562  | 831458  | 17.67%  | 0.373% |
| 173    | 11.077 | 11.052 | 11.099 | HH | 34710  | 922980  | 19.62%  | 0.414% |
| 174    | 11.119 | 11.099 | 11.142 | HH | 36777  | 900102  | 19.13%  | 0.403% |
| 175    | 11.172 | 11.142 | 11.231 | HH | 233443 | 4139043 | 87.97%  | 1.855% |
| 176    | 11.262 | 11.231 | 11.309 | HH | 92102  | 2334909 | 49.62%  | 1.046% |
| 177    | 11.326 | 11.309 | 11.346 | HH | 32393  | 668832  | 14.21%  | 0.300% |
| 178    | 11.368 | 11.346 | 11.391 | HH | 32770  | 812720  | 17.27%  | 0.364% |
| 179    | 11.414 | 11.391 | 11.422 | HH | 31233  | 563471  | 11.98%  | 0.253% |
| 180    | 11.465 | 11.422 | 11.512 | HH | 42188  | 1903187 | 40.45%  | 0.853% |
| 181    | 11.527 | 11.512 | 11.544 | HH | 34355  | 609066  | 12.94%  | 0.273% |
| 182    | 11.565 | 11.544 | 11.588 | HH | 45461  | 965373  | 20.52%  | 0.433% |
| 183    | 11.604 | 11.588 | 11.635 | HH | 39977  | 931655  | 19.80%  | 0.418% |
| 184    | 11.657 | 11.635 | 11.699 | HH | 37816  | 1161317 | 24.68%  | 0.520% |
| 185    | 11.726 | 11.699 | 11.757 | HH | 28727  | 942942  | 20.04%  | 0.423% |
| 186    | 11.776 | 11.757 | 11.794 | HH | 27737  | 591229  | 12.57%  | 0.265% |
| 187    | 11.843 | 11.794 | 11.875 | HH | 186442 | 3388685 | 72.02%  | 1.519% |
| 188    | 11.882 | 11.875 | 11.898 | HH | 29556  | 388401  | 8.25%   | 0.174% |
| 189    | 11.904 | 11.898 | 11.934 | HH | 27641  | 569177  | 12.10%  | 0.255% |
| 190    | 11.946 | 11.934 | 11.962 | HH | 26062  | 435739  | 9.26%   | 0.195% |
| 191    | 11.969 | 11.962 | 12.016 | HH | 25080  | 734955  | 15.62%  | 0.329% |
| 192    | 12.037 | 12.016 | 12.059 | HH | 23832  | 587119  | 12.48%  | 0.263% |
| 193    | 12.077 | 12.059 | 12.091 | HH | 22122  | 415282  | 8.83%   | 0.186% |
| 194    | 12.116 | 12.091 | 12.166 | HH | 29135  | 1145658 | 24.35%  | 0.513% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.181 | 12.166 | 12.190 | HH | 23949  | 323605  | 6.88%  | 0.145% |
| 196 | 12.194 | 12.190 | 12.201 | HH | 22954  | 154278  | 3.28%  | 0.069% |
| 197 | 12.223 | 12.201 | 12.236 | HH | 28164  | 538369  | 11.44% | 0.241% |
| 198 | 12.254 | 12.236 | 12.287 | HH | 33375  | 787843  | 16.74% | 0.353% |
| 199 | 12.307 | 12.287 | 12.336 | HH | 26802  | 672965  | 14.30% | 0.302% |
| 200 | 12.339 | 12.336 | 12.345 | HH | 20838  | 111335  | 2.37%  | 0.050% |
| 201 | 12.350 | 12.345 | 12.379 | HH | 20774  | 412119  | 8.76%  | 0.185% |
| 202 | 12.405 | 12.379 | 12.425 | HH | 23426  | 596088  | 12.67% | 0.267% |
| 203 | 12.432 | 12.425 | 12.454 | HH | 21661  | 353247  | 7.51%  | 0.158% |
| 204 | 12.482 | 12.454 | 12.526 | HH | 140919 | 2293867 | 48.75% | 1.028% |
| 205 | 12.543 | 12.526 | 12.587 | HH | 22443  | 716325  | 15.22% | 0.321% |
| 206 | 12.600 | 12.587 | 12.614 | HH | 17978  | 289555  | 6.15%  | 0.130% |
| 207 | 12.629 | 12.614 | 12.681 | HH | 19131  | 672273  | 14.29% | 0.301% |
| 208 | 12.698 | 12.681 | 12.715 | HH | 16114  | 311889  | 6.63%  | 0.140% |
| 209 | 12.736 | 12.715 | 12.752 | HH | 20733  | 409520  | 8.70%  | 0.184% |
| 210 | 12.760 | 12.752 | 12.789 | HH | 18789  | 387982  | 8.25%  | 0.174% |
| 211 | 12.804 | 12.789 | 12.823 | HH | 17082  | 318266  | 6.76%  | 0.143% |
| 212 | 12.844 | 12.823 | 12.858 | HH | 18873  | 352668  | 7.50%  | 0.158% |
| 213 | 12.876 | 12.858 | 12.912 | HH | 20743  | 590290  | 12.55% | 0.265% |
| 214 | 12.927 | 12.912 | 12.952 | HH | 18381  | 387884  | 8.24%  | 0.174% |
| 215 | 12.975 | 12.952 | 13.016 | HH | 19499  | 626131  | 13.31% | 0.281% |
| 216 | 13.021 | 13.016 | 13.026 | HH | 14031  | 84061   | 1.79%  | 0.038% |
| 217 | 13.029 | 13.026 | 13.049 | HH | 13718  | 181526  | 3.86%  | 0.081% |
| 218 | 13.052 | 13.049 | 13.059 | HH | 12527  | 72333   | 1.54%  | 0.032% |
| 219 | 13.095 | 13.059 | 13.123 | HH | 89469  | 1417380 | 30.12% | 0.635% |
| 220 | 13.134 | 13.123 | 13.152 | HH | 15018  | 256246  | 5.45%  | 0.115% |
| 221 | 13.164 | 13.152 | 13.191 | HH | 14339  | 321018  | 6.82%  | 0.144% |
| 222 | 13.195 | 13.191 | 13.224 | HH | 13085  | 235971  | 5.02%  | 0.106% |
| 223 | 13.233 | 13.224 | 13.243 | HH | 11273  | 129791  | 2.76%  | 0.058% |
| 224 | 13.261 | 13.243 | 13.287 | HH | 11668  | 282452  | 6.00%  | 0.127% |
| 225 | 13.329 | 13.287 | 13.353 | HH | 15403  | 506391  | 10.76% | 0.227% |
| 226 | 13.359 | 13.353 | 13.365 | HH | 12579  | 92846   | 1.97%  | 0.042% |
| 227 | 13.371 | 13.365 | 13.391 | HH | 12720  | 186070  | 3.95%  | 0.083% |
| 228 | 13.404 | 13.391 | 13.424 | HH | 11523  | 211274  | 4.49%  | 0.095% |
| 229 | 13.442 | 13.424 | 13.458 | HH | 11716  | 223628  | 4.75%  | 0.100% |
| 230 | 13.477 | 13.458 | 13.498 | HH | 12790  | 270315  | 5.75%  | 0.121% |
| 231 | 13.522 | 13.498 | 13.560 | HH | 13268  | 403238  | 8.57%  | 0.181% |
| 232 | 13.592 | 13.560 | 13.642 | HH | 10455  | 453886  | 9.65%  | 0.203% |
| 233 | 13.647 | 13.642 | 13.650 | HH | 8029   | 38689   | 0.82%  | 0.017% |
| 234 | 13.683 | 13.650 | 13.714 | HH | 55013  | 902067  | 19.17% | 0.404% |
| 235 | 13.733 | 13.714 | 13.752 | HH | 9268   | 203079  | 4.32%  | 0.091% |
| 236 | 13.765 | 13.752 | 13.821 | HH | 9154   | 330563  | 7.03%  | 0.148% |
| 237 | 13.828 | 13.821 | 13.849 | HH | 7175   | 119280  | 2.54%  | 0.053% |
| 238 | 13.857 | 13.849 | 13.866 | HH | 6692   | 65922   | 1.40%  | 0.030% |
| 239 | 13.913 | 13.866 | 13.941 | HH | 9682   | 362588  | 7.71%  | 0.163% |
| 240 | 13.946 | 13.941 | 13.964 | HH | 7257   | 99051   | 2.11%  | 0.044% |
| 241 | 13.981 | 13.964 | 13.997 | HH | 7202   | 135608  | 2.88%  | 0.061% |
| 242 | 14.017 | 13.997 | 14.029 | HH | 6875   | 124889  | 2.65%  | 0.056% |
| 243 | 14.046 | 14.029 | 14.061 | HH | 7996   | 136443  | 2.90%  | 0.061% |
| 244 | 14.068 | 14.061 | 14.080 | HH | 7214   | 83472   | 1.77%  | 0.037% |
| 245 | 14.095 | 14.080 | 14.138 | HH | 7624   | 218810  | 4.65%  | 0.098% |
| 246 | 14.156 | 14.138 | 14.174 | HH | 5705   | 117085  | 2.49%  | 0.052% |

|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 247 | 14.182 | 14.174 | 14.217 | HH | 5568   | 134371 | 2.86%  | 0.060% |
| 248 | 14.246 | 14.217 | 14.282 | HH | 31130  | 527898 | 11.22% | 0.237% |
| 249 | 14.310 | 14.282 | 14.331 | HH | 5545   | 152269 | 3.24%  | 0.068% |
| 250 | 14.340 | 14.331 | 14.355 | HH | 5149   | 73531  | 1.56%  | 0.033% |
| 251 | 14.373 | 14.355 | 14.418 | HH | 5165   | 177886 | 3.78%  | 0.080% |
| 252 | 14.451 | 14.418 | 14.479 | HH | 5293   | 174674 | 3.71%  | 0.078% |
| 253 | 14.484 | 14.479 | 14.494 | HH | 4619   | 41551  | 0.88%  | 0.019% |
| 254 | 14.499 | 14.494 | 14.517 | HH | 4632   | 59821  | 1.27%  | 0.027% |
| 255 | 14.526 | 14.517 | 14.549 | HH | 4460   | 80547  | 1.71%  | 0.036% |
| 256 | 14.590 | 14.549 | 14.617 | HH | 4794   | 174994 | 3.72%  | 0.078% |
| 257 | 14.643 | 14.617 | 14.665 | HH | 4532   | 113903 | 2.42%  | 0.051% |
| 258 | 14.670 | 14.665 | 14.708 | HH | 3621   | 87733  | 1.86%  | 0.039% |
| 259 | 14.717 | 14.708 | 14.736 | HH | 3303   | 53170  | 1.13%  | 0.024% |
| 260 | 14.789 | 14.736 | 14.828 | HH | 16385  | 358211 | 7.61%  | 0.161% |
| 261 | 14.840 | 14.828 | 14.851 | HH | 3326   | 45065  | 0.96%  | 0.020% |
| 262 | 14.856 | 14.851 | 14.889 | HH | 3251   | 71345  | 1.52%  | 0.032% |
| 263 | 14.894 | 14.889 | 14.912 | HH | 2995   | 39821  | 0.85%  | 0.018% |
| 264 | 14.925 | 14.912 | 14.956 | HH | 2827   | 68546  | 1.46%  | 0.031% |
| 265 | 14.982 | 14.956 | 15.013 | HH | 3123   | 95273  | 2.02%  | 0.043% |
| 266 | 15.021 | 15.013 | 15.027 | HH | 2710   | 23991  | 0.51%  | 0.011% |
| 267 | 15.035 | 15.027 | 15.053 | HH | 2832   | 41999  | 0.89%  | 0.019% |
| 268 | 15.060 | 15.053 | 15.089 | HH | 2689   | 53087  | 1.13%  | 0.024% |
| 269 | 15.093 | 15.089 | 15.106 | HH | 2491   | 24002  | 0.51%  | 0.011% |
| 270 | 15.122 | 15.106 | 15.149 | HH | 2675   | 65682  | 1.40%  | 0.029% |
| 271 | 15.172 | 15.149 | 15.195 | HH | 2877   | 71219  | 1.51%  | 0.032% |
| 272 | 15.206 | 15.195 | 15.212 | HH | 2560   | 25552  | 0.54%  | 0.011% |
| 273 | 15.213 | 15.212 | 15.250 | HH | 2558   | 51401  | 1.09%  | 0.023% |
| 274 | 15.261 | 15.250 | 15.282 | HH | 2236   | 40916  | 0.87%  | 0.018% |
| 275 | 15.308 | 15.282 | 15.421 | HH | 8931   | 274992 | 5.84%  | 0.123% |
| 276 | 15.424 | 15.421 | 15.464 | HH | 1991   | 48219  | 1.02%  | 0.022% |
| 277 | 15.494 | 15.464 | 15.508 | HH | 2133   | 51369  | 1.09%  | 0.023% |
| 278 | 15.513 | 15.508 | 15.520 | HH | 2066   | 14492  | 0.31%  | 0.006% |
| 279 | 15.524 | 15.520 | 15.545 | HH | 2077   | 30407  | 0.65%  | 0.014% |
| 280 | 15.553 | 15.545 | 15.556 | HH | 2049   | 13419  | 0.29%  | 0.006% |
| 281 | 15.568 | 15.556 | 15.572 | HH | 2056   | 19269  | 0.41%  | 0.009% |
| 282 | 15.576 | 15.572 | 15.591 | HH | 2054   | 22532  | 0.48%  | 0.010% |
| 283 | 15.623 | 15.591 | 15.662 | HH | 2166   | 86981  | 1.85%  | 0.039% |
| 284 | 15.666 | 15.662 | 15.669 | HH | 2009   | 7346   | 0.16%  | 0.003% |
| 285 | 15.679 | 15.669 | 15.724 | HH | 2126   | 65186  | 1.39%  | 0.029% |
| 286 | 15.735 | 15.724 | 15.747 | HH | 1971   | 25934  | 0.55%  | 0.012% |
| 287 | 15.812 | 15.747 | 15.853 | HH | 5880   | 174486 | 3.71%  | 0.078% |
| 288 | 15.863 | 15.853 | 15.881 | HH | 1967   | 31697  | 0.67%  | 0.014% |
| 289 | 15.885 | 15.881 | 15.893 | HH | 1894   | 13865  | 0.29%  | 0.006% |
| 290 | 15.913 | 15.893 | 15.918 | HH | 1950   | 27087  | 0.58%  | 0.012% |
| 291 | 15.948 | 15.918 | 15.966 | HH | 2132   | 55632  | 1.18%  | 0.025% |
| 292 | 15.985 | 15.966 | 15.990 | HH | 2108   | 28397  | 0.60%  | 0.013% |
| 293 | 15.993 | 15.990 | 16.023 | HH | 2096   | 39186  | 0.83%  | 0.018% |
| 294 | 16.030 | 16.023 | 16.056 | HH | 1962   | 37937  | 0.81%  | 0.017% |
| 295 | 16.060 | 16.056 | 16.069 | HH | 1979   | 15592  | 0.33%  | 0.007% |
| 296 | 16.086 | 16.069 | 16.090 | HH | 2007   | 24860  | 0.53%  | 0.011% |
| 297 | 16.099 | 16.090 | 16.104 | HH | 2113   | 16664  | 0.35%  | 0.007% |
| 298 | 16.128 | 16.104 | 16.144 | HH | 2163   | 50397  | 1.07%  | 0.023% |
| 299 | 16.169 | 16.144 | 16.219 | HH | 2314   | 99037  | 2.10%  | 0.044% |

|     |        |        |        |     |                         |        |           |        |
|-----|--------|--------|--------|-----|-------------------------|--------|-----------|--------|
|     |        |        |        |     | rters                   |        |           |        |
| 300 | 16.249 | 16.219 | 16.264 | HH  | 2459                    | 62933  | 1.34%     | 0.028% |
| 301 | 16.297 | 16.264 | 16.326 | HH  | 5292                    | 129180 | 2.75%     | 0.058% |
| 302 | 16.335 | 16.326 | 16.353 | HH  | 2626                    | 40752  | 0.87%     | 0.018% |
| 303 | 16.362 | 16.353 | 16.376 | HH  | 2566                    | 35080  | 0.75%     | 0.016% |
| 304 | 16.381 | 16.376 | 16.404 | HH  | 2596                    | 42967  | 0.91%     | 0.019% |
| 305 | 16.420 | 16.404 | 16.439 | HH  | 2663                    | 53186  | 1.13%     | 0.024% |
| 306 | 16.456 | 16.439 | 16.463 | HH  | 2699                    | 39507  | 0.84%     | 0.018% |
| 307 | 16.471 | 16.463 | 16.487 | HH  | 2712                    | 38453  | 0.82%     | 0.017% |
| 308 | 16.503 | 16.487 | 16.507 | HH  | 2687                    | 31727  | 0.67%     | 0.014% |
| 309 | 16.518 | 16.507 | 16.535 | HH  | 2744                    | 43935  | 0.93%     | 0.020% |
| 310 | 16.543 | 16.535 | 16.556 | HH  | 2710                    | 33692  | 0.72%     | 0.015% |
| 311 | 16.599 | 16.556 | 16.613 | HH  | 2929                    | 97035  | 2.06%     | 0.043% |
| 312 | 16.649 | 16.613 | 16.692 | HH  | 3754                    | 151278 | 3.22%     | 0.068% |
| 313 | 16.764 | 16.692 | 16.801 | HHA | 6439                    | 262353 | 5.58%     | 0.118% |
|     |        |        |        |     | Sum of corrected areas: |        | 223123650 |        |

FF030119.M Fri Mar 22 10:18:41 2019