

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF050919\  
 Data File : FF004491.D  
 Signal(s) : FID2B.ch  
 Acq On : 09 May 2019 18:29  
 Sample : K2645-07 10X  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF050819.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         | 4.393       | 4.380        | 4.399      | BH       | 55             | 116          | 0.00%          | 0.000%        |
| 2         | 4.417       | 4.399        | 4.446      | PH       | 281            | 2179         | 0.08%          | 0.003%        |
| 3         | 4.458       | 4.446        | 4.477      | PH       | 47             | -599         | -0.02%         | -0.001%       |
| 4         | 4.483       | 4.477        | 4.486      | PH       | 16             | -261         | -0.01%         | -0.000%       |
| 5         | 4.490       | 4.486        | 4.497      | PH       | -21            | -179         | -0.01%         | -0.000%       |
| 6         | 4.515       | 4.497        | 4.551      | PH       | -6             | -2141        | -0.08%         | -0.003%       |
| 7         | 4.566       | 4.551        | 4.584      | PH       | 323            | 1274         | 0.05%          | 0.002%        |
| 8         | 4.592       | 4.584        | 4.600      | PH       | -25            | -1052        | -0.04%         | -0.001%       |
| 9         | 4.633       | 4.600        | 4.661      | PH       | 1041           | 10581        | 0.39%          | 0.014%        |
| 10        | 4.674       | 4.661        | 4.689      | PH       | 158            | 496          | 0.02%          | 0.001%        |
| 11        | 4.702       | 4.689        | 4.732      | PH       | 56             | -2317        | -0.08%         | -0.003%       |
| 12        | 4.752       | 4.732        | 4.769      | PH       | 81             | -1071        | -0.04%         | -0.001%       |
| 13        | 4.787       | 4.769        | 4.811      | PH       | -86            | -4191        | -0.15%         | -0.005%       |
| 14        | 4.829       | 4.811        | 4.859      | PH       | 12             | -4545        | -0.17%         | -0.006%       |
| 15        | 4.871       | 4.859        | 4.880      | PH       | -139           | -2301        | -0.08%         | -0.003%       |
| 16        | 4.894       | 4.880        | 4.913      | PH       | -20            | -3000        | -0.11%         | -0.004%       |
| 17        | 4.921       | 4.913        | 4.930      | PH       | -234           | -3056        | -0.11%         | -0.004%       |
| 18        | 4.949       | 4.930        | 4.955      | PH       | -219           | -3968        | -0.15%         | -0.005%       |
| 19        | 4.969       | 4.955        | 5.000      | PH       | -111           | -6548        | -0.24%         | -0.008%       |
| 20        | 5.009       | 5.000        | 5.013      | PH       | -337           | -2578        | -0.09%         | -0.003%       |
| 21        | 5.031       | 5.013        | 5.047      | PH       | -124           | -4043        | -0.15%         | -0.005%       |
| 22        | 5.060       | 5.047        | 5.082      | PH       | -146           | -4493        | -0.16%         | -0.006%       |
| 23        | 5.104       | 5.082        | 5.125      | PH       | -124           | -5857        | -0.21%         | -0.008%       |
| 24        | 5.140       | 5.125        | 5.150      | PH       | -92            | -2926        | -0.11%         | -0.004%       |
| 25        | 5.162       | 5.150        | 5.180      | PH       | 63             | -1859        | -0.07%         | -0.002%       |
| 26        | 5.187       | 5.180        | 5.203      | PH       | -161           | -3460        | -0.13%         | -0.004%       |
| 27        | 5.227       | 5.203        | 5.245      | PH       | -113           | -7296        | -0.27%         | -0.009%       |
| 28        | 5.276       | 5.245        | 5.296      | PH       | 125            | -4676        | -0.17%         | -0.006%       |
| 29        | 5.300       | 5.296        | 5.310      | PH       | -254           | -2509        | -0.09%         | -0.003%       |
| 30        | 5.319       | 5.310        | 5.324      | PH       | -228           | -2192        | -0.08%         | -0.003%       |
| 31        | 5.330       | 5.324        | 5.340      | PH       | -202           | -2410        | -0.09%         | -0.003%       |
| 32        | 5.350       | 5.340        | 5.369      | PH       | -155           | -4089        | -0.15%         | -0.005%       |
| 33        | 5.379       | 5.369        | 5.391      | PH       | -247           | -4067        | -0.15%         | -0.005%       |
| 34        | 5.404       | 5.391        | 5.431      | PH       | -149           | -6805        | -0.25%         | -0.009%       |
| 35        | 5.457       | 5.431        | 5.471      | PH       | 736            | 1457         | 0.05%          | 0.002%        |
| 36        | 5.483       | 5.471        | 5.515      | PH       | 342            | -290         | -0.01%         | -0.000%       |

|    |       |       |       |    | rteres |       |        |         |
|----|-------|-------|-------|----|--------|-------|--------|---------|
| 37 | 5.522 | 5.515 | 5.542 | PH | -127   | -3596 | -0.13% | -0.005% |
| 38 | 5.546 | 5.542 | 5.555 | PH | -264   | -2575 | -0.09% | -0.003% |
| 39 | 5.564 | 5.555 | 5.570 | PH | -273   | -2735 | -0.10% | -0.004% |
| 40 | 5.576 | 5.570 | 5.582 | PH | -285   | -2227 | -0.08% | -0.003% |
| 41 | 5.590 | 5.582 | 5.621 | PH | -257   | -7715 | -0.28% | -0.010% |
| 42 | 5.643 | 5.621 | 5.664 | PH | 358    | -1773 | -0.06% | -0.002% |
| 43 | 5.681 | 5.664 | 5.695 | PH | -227   | -5076 | -0.19% | -0.007% |
| 44 | 5.720 | 5.695 | 5.734 | PH | 153    | -1360 | -0.05% | -0.002% |
| 45 | 5.758 | 5.734 | 5.792 | PH | 502    | 2481  | 0.09%  | 0.003%  |
| 46 | 5.803 | 5.792 | 5.819 | PH | 143    | -979  | -0.04% | -0.001% |
| 47 | 5.835 | 5.819 | 5.840 | PH | -115   | -2213 | -0.08% | -0.003% |
| 48 | 5.852 | 5.840 | 5.866 | PH | -87    | -2224 | -0.08% | -0.003% |
| 49 | 5.871 | 5.866 | 5.894 | PH | -37    | -3576 | -0.13% | -0.005% |
| 50 | 5.911 | 5.894 | 5.934 | PH | -19    | -4851 | -0.18% | -0.006% |
| 51 | 5.955 | 5.934 | 5.975 | PH | 65     | -2755 | -0.10% | -0.004% |
| 52 | 6.006 | 5.975 | 6.035 | PH | 5542   | 48517 | 1.78%  | 0.062%  |
| 53 | 6.055 | 6.035 | 6.079 | PH | 498    | 975   | 0.04%  | 0.001%  |
| 54 | 6.099 | 6.079 | 6.125 | PH | 180    | -1531 | -0.06% | -0.002% |
| 55 | 6.162 | 6.125 | 6.177 | PH | 371    | 3120  | 0.11%  | 0.004%  |
| 56 | 6.185 | 6.177 | 6.215 | HH | 197    | 214   | 0.01%  | 0.000%  |
| 57 | 6.226 | 6.215 | 6.234 | PH | -18    | -1031 | -0.04% | -0.001% |
| 58 | 6.241 | 6.234 | 6.261 | PH | 3      | -1269 | -0.05% | -0.002% |
| 59 | 6.280 | 6.261 | 6.308 | PH | 434    | 2348  | 0.09%  | 0.003%  |
| 60 | 6.321 | 6.308 | 6.336 | PH | 124    | -94   | -0.00% | -0.000% |
| 61 | 6.375 | 6.336 | 6.402 | PH | 269    | 3874  | 0.14%  | 0.005%  |
| 62 | 6.438 | 6.402 | 6.486 | PH | 1973   | 20429 | 0.75%  | 0.026%  |
| 63 | 6.505 | 6.486 | 6.514 | PH | -32    | -2104 | -0.08% | -0.003% |
| 64 | 6.532 | 6.514 | 6.544 | PH | -1     | -1872 | -0.07% | -0.002% |
| 65 | 6.552 | 6.544 | 6.562 | PH | 63     | -123  | -0.00% | -0.000% |
| 66 | 6.588 | 6.562 | 6.605 | PH | 906    | 9139  | 0.33%  | 0.012%  |
| 67 | 6.633 | 6.605 | 6.650 | HH | 682    | 8648  | 0.32%  | 0.011%  |
| 68 | 6.659 | 6.650 | 6.675 | PH | 161    | 549   | 0.02%  | 0.001%  |
| 69 | 6.683 | 6.675 | 6.693 | PH | 119    | 549   | 0.02%  | 0.001%  |
| 70 | 6.712 | 6.693 | 6.733 | HH | 624    | 7074  | 0.26%  | 0.009%  |
| 71 | 6.775 | 6.733 | 6.792 | PH | 574    | 10521 | 0.39%  | 0.013%  |
| 72 | 6.802 | 6.792 | 6.812 | HH | 291    | 2314  | 0.08%  | 0.003%  |
| 73 | 6.840 | 6.812 | 6.860 | HH | 1020   | 13200 | 0.48%  | 0.017%  |
| 74 | 6.906 | 6.860 | 6.922 | PH | 605    | 11264 | 0.41%  | 0.014%  |
| 75 | 6.939 | 6.922 | 6.945 | HH | 896    | 9278  | 0.34%  | 0.012%  |
| 76 | 6.961 | 6.945 | 6.979 | HH | 1000   | 16071 | 0.59%  | 0.021%  |
| 77 | 7.000 | 6.979 | 7.025 | HH | 1305   | 20409 | 0.75%  | 0.026%  |
| 78 | 7.060 | 7.025 | 7.082 | HH | 4596   | 60905 | 2.23%  | 0.078%  |
| 79 | 7.098 | 7.082 | 7.123 | HH | 911    | 12714 | 0.47%  | 0.016%  |
| 80 | 7.142 | 7.123 | 7.154 | HH | 1695   | 18011 | 0.66%  | 0.023%  |
| 81 | 7.158 | 7.154 | 7.177 | HH | 841    | 8963  | 0.33%  | 0.011%  |
| 82 | 7.196 | 7.177 | 7.223 | HH | 4773   | 49074 | 1.80%  | 0.063%  |
| 83 | 7.244 | 7.223 | 7.257 | HH | 903    | 12304 | 0.45%  | 0.016%  |
| 84 | 7.272 | 7.257 | 7.280 | HH | 466    | 5767  | 0.21%  | 0.007%  |
| 85 | 7.285 | 7.280 | 7.302 | HH | 469    | 5040  | 0.18%  | 0.006%  |
| 86 | 7.362 | 7.302 | 7.390 | HH | 4319   | 76399 | 2.80%  | 0.098%  |
| 87 | 7.407 | 7.390 | 7.423 | HH | 800    | 13075 | 0.48%  | 0.017%  |
| 88 | 7.434 | 7.423 | 7.472 | HH | 842    | 18249 | 0.67%  | 0.023%  |
| 89 | 7.493 | 7.472 | 7.510 | HH | 553    | 11172 | 0.41%  | 0.014%  |

|     |       |       |       |    |        |        |        |        |
|-----|-------|-------|-------|----|--------|--------|--------|--------|
|     |       |       |       |    | rteres |        |        |        |
| 90  | 7.536 | 7.510 | 7.574 | HH | 1959   | 40739  | 1.49%  | 0.052% |
| 91  | 7.590 | 7.574 | 7.608 | HH | 926    | 12319  | 0.45%  | 0.016% |
| 92  | 7.631 | 7.608 | 7.644 | HH | 611    | 9853   | 0.36%  | 0.013% |
| 93  | 7.654 | 7.644 | 7.665 | HH | 950    | 10359  | 0.38%  | 0.013% |
| 94  | 7.695 | 7.665 | 7.714 | HH | 1245   | 28392  | 1.04%  | 0.036% |
| 95  | 7.745 | 7.714 | 7.766 | HH | 1088   | 26775  | 0.98%  | 0.034% |
| 96  | 7.786 | 7.766 | 7.807 | HH | 2370   | 38671  | 1.42%  | 0.050% |
| 97  | 7.816 | 7.807 | 7.834 | HH | 1438   | 20706  | 0.76%  | 0.027% |
| 98  | 7.838 | 7.834 | 7.859 | HH | 1526   | 16654  | 0.61%  | 0.021% |
| 99  | 7.882 | 7.859 | 7.902 | HH | 1829   | 29510  | 1.08%  | 0.038% |
| 100 | 7.933 | 7.902 | 7.954 | HH | 2240   | 49314  | 1.81%  | 0.063% |
| 101 | 7.967 | 7.954 | 7.975 | HH | 2172   | 24235  | 0.89%  | 0.031% |
| 102 | 7.985 | 7.975 | 8.015 | HH | 2258   | 38223  | 1.40%  | 0.049% |
| 103 | 8.054 | 8.015 | 8.095 | HH | 4671   | 105769 | 3.88%  | 0.136% |
| 104 | 8.108 | 8.095 | 8.126 | HH | 1557   | 25591  | 0.94%  | 0.033% |
| 105 | 8.157 | 8.126 | 8.172 | HH | 6108   | 91211  | 3.34%  | 0.117% |
| 106 | 8.185 | 8.172 | 8.197 | HH | 4004   | 47067  | 1.72%  | 0.060% |
| 107 | 8.211 | 8.197 | 8.217 | HH | 4415   | 43885  | 1.61%  | 0.056% |
| 108 | 8.231 | 8.217 | 8.258 | HH | 6998   | 103008 | 3.77%  | 0.132% |
| 109 | 8.290 | 8.258 | 8.304 | HH | 6381   | 97064  | 3.56%  | 0.124% |
| 110 | 8.341 | 8.304 | 8.370 | HH | 21287  | 308486 | 11.30% | 0.396% |
| 111 | 8.395 | 8.370 | 8.410 | HH | 2988   | 60871  | 2.23%  | 0.078% |
| 112 | 8.428 | 8.410 | 8.441 | HH | 2626   | 44436  | 1.63%  | 0.057% |
| 113 | 8.452 | 8.441 | 8.494 | HH | 2551   | 60039  | 2.20%  | 0.077% |
| 114 | 8.520 | 8.494 | 8.545 | HH | 1858   | 45809  | 1.68%  | 0.059% |
| 115 | 8.558 | 8.545 | 8.570 | HH | 1497   | 20057  | 0.73%  | 0.026% |
| 116 | 8.587 | 8.570 | 8.599 | HH | 2437   | 35764  | 1.31%  | 0.046% |
| 117 | 8.605 | 8.599 | 8.613 | HH | 2111   | 17464  | 0.64%  | 0.022% |
| 118 | 8.636 | 8.613 | 8.665 | HH | 11913  | 167929 | 6.15%  | 0.215% |
| 119 | 8.681 | 8.665 | 8.709 | HH | 3492   | 72110  | 2.64%  | 0.092% |
| 120 | 8.727 | 8.709 | 8.740 | HH | 2427   | 42794  | 1.57%  | 0.055% |
| 121 | 8.768 | 8.740 | 8.807 | HH | 4920   | 116086 | 4.25%  | 0.149% |
| 122 | 8.821 | 8.807 | 8.839 | HH | 2565   | 42557  | 1.56%  | 0.055% |
| 123 | 8.849 | 8.839 | 8.859 | HH | 2245   | 25424  | 0.93%  | 0.033% |
| 124 | 8.876 | 8.859 | 8.890 | HH | 3543   | 52787  | 1.93%  | 0.068% |
| 125 | 8.908 | 8.890 | 8.937 | HH | 9121   | 126500 | 4.64%  | 0.162% |
| 126 | 8.949 | 8.937 | 8.965 | HH | 2295   | 35689  | 1.31%  | 0.046% |
| 127 | 8.998 | 8.965 | 9.015 | HH | 2965   | 74015  | 2.71%  | 0.095% |
| 128 | 9.051 | 9.015 | 9.072 | HH | 10128  | 165383 | 6.06%  | 0.212% |
| 129 | 9.086 | 9.072 | 9.119 | HH | 4322   | 84289  | 3.09%  | 0.108% |
| 130 | 9.141 | 9.119 | 9.164 | HH | 3336   | 66772  | 2.45%  | 0.086% |
| 131 | 9.201 | 9.164 | 9.218 | HH | 4028   | 88355  | 3.24%  | 0.113% |
| 132 | 9.233 | 9.218 | 9.250 | HH | 3584   | 54164  | 1.98%  | 0.069% |
| 133 | 9.256 | 9.250 | 9.265 | HH | 2682   | 23593  | 0.86%  | 0.030% |
| 134 | 9.284 | 9.265 | 9.302 | HH | 4778   | 73905  | 2.71%  | 0.095% |
| 135 | 9.318 | 9.302 | 9.324 | HH | 2498   | 30850  | 1.13%  | 0.040% |
| 136 | 9.338 | 9.324 | 9.358 | HH | 3938   | 62414  | 2.29%  | 0.080% |
| 137 | 9.378 | 9.358 | 9.396 | HH | 4021   | 69828  | 2.56%  | 0.090% |
| 138 | 9.419 | 9.396 | 9.461 | HH | 21451  | 318216 | 11.66% | 0.408% |
| 139 | 9.468 | 9.461 | 9.478 | HH | 2998   | 29919  | 1.10%  | 0.038% |
| 140 | 9.500 | 9.478 | 9.532 | HH | 4655   | 117682 | 4.31%  | 0.151% |
| 141 | 9.564 | 9.532 | 9.587 | HH | 6252   | 143985 | 5.28%  | 0.185% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 9.597  | 9.587  | 9.615  | HH | 3773   | 60280   | 2.21%  | 0.077% |
| 143 | 9.628  | 9.615  | 9.651  | HH | 3973   | 71083   | 2.60%  | 0.091% |
| 144 | 9.679  | 9.651  | 9.710  | HH | 3805   | 98199   | 3.60%  | 0.126% |
| 145 | 9.741  | 9.710  | 9.762  | HH | 5919   | 117352  | 4.30%  | 0.150% |
|     |        |        |        |    |        |         |        |        |
| 146 | 9.790  | 9.762  | 9.810  | HH | 3680   | 92667   | 3.40%  | 0.119% |
| 147 | 9.834  | 9.810  | 9.884  | HH | 14076  | 268536  | 9.84%  | 0.344% |
| 148 | 9.903  | 9.884  | 9.926  | HH | 3348   | 70573   | 2.59%  | 0.090% |
| 149 | 9.938  | 9.926  | 9.977  | HH | 2788   | 70925   | 2.60%  | 0.091% |
| 150 | 10.004 | 9.977  | 10.030 | HH | 2990   | 77652   | 2.85%  | 0.100% |
|     |        |        |        |    |        |         |        |        |
| 151 | 10.041 | 10.030 | 10.059 | HH | 2291   | 36378   | 1.33%  | 0.047% |
| 152 | 10.079 | 10.059 | 10.090 | HH | 2268   | 40060   | 1.47%  | 0.051% |
| 153 | 10.106 | 10.090 | 10.123 | HH | 2811   | 49417   | 1.81%  | 0.063% |
| 154 | 10.133 | 10.123 | 10.139 | HH | 2272   | 20698   | 0.76%  | 0.027% |
| 155 | 10.171 | 10.139 | 10.199 | HH | 3556   | 108445  | 3.97%  | 0.139% |
|     |        |        |        |    |        |         |        |        |
| 156 | 10.220 | 10.199 | 10.249 | HH | 6229   | 128081  | 4.69%  | 0.164% |
| 157 | 10.272 | 10.249 | 10.284 | HH | 4787   | 80906   | 2.96%  | 0.104% |
| 158 | 10.301 | 10.284 | 10.325 | HH | 8325   | 137687  | 5.05%  | 0.177% |
| 159 | 10.340 | 10.325 | 10.355 | HH | 5541   | 79370   | 2.91%  | 0.102% |
| 160 | 10.363 | 10.355 | 10.387 | HH | 3859   | 64061   | 2.35%  | 0.082% |
|     |        |        |        |    |        |         |        |        |
| 161 | 10.419 | 10.387 | 10.449 | HH | 5885   | 146285  | 5.36%  | 0.188% |
| 162 | 10.468 | 10.449 | 10.492 | HH | 6618   | 120752  | 4.42%  | 0.155% |
| 163 | 10.497 | 10.492 | 10.534 | HH | 3566   | 83545   | 3.06%  | 0.107% |
| 164 | 10.571 | 10.534 | 10.601 | HH | 12562  | 263078  | 9.64%  | 0.337% |
| 165 | 10.625 | 10.601 | 10.672 | HH | 10520  | 270685  | 9.92%  | 0.347% |
|     |        |        |        |    |        |         |        |        |
| 166 | 10.692 | 10.672 | 10.704 | HH | 3804   | 69161   | 2.53%  | 0.089% |
| 167 | 10.719 | 10.704 | 10.738 | HH | 4286   | 72350   | 2.65%  | 0.093% |
| 168 | 10.762 | 10.738 | 10.771 | HH | 3168   | 60298   | 2.21%  | 0.077% |
| 169 | 10.788 | 10.771 | 10.796 | HH | 4231   | 54118   | 1.98%  | 0.069% |
| 170 | 10.821 | 10.796 | 10.864 | HH | 117788 | 1351521 | 49.52% | 1.733% |
|     |        |        |        |    |        |         |        |        |
| 171 | 10.895 | 10.864 | 10.937 | HH | 45230  | 617925  | 22.64% | 0.792% |
| 172 | 10.967 | 10.937 | 11.010 | HH | 4590   | 176658  | 6.47%  | 0.227% |
| 173 | 11.026 | 11.010 | 11.048 | HH | 3955   | 80472   | 2.95%  | 0.103% |
| 174 | 11.065 | 11.048 | 11.087 | HH | 3954   | 85231   | 3.12%  | 0.109% |
| 175 | 11.106 | 11.087 | 11.152 | HH | 11207  | 215457  | 7.89%  | 0.276% |
|     |        |        |        |    |        |         |        |        |
| 176 | 11.182 | 11.152 | 11.197 | HH | 3821   | 93055   | 3.41%  | 0.119% |
| 177 | 11.220 | 11.197 | 11.250 | HH | 4511   | 133492  | 4.89%  | 0.171% |
| 178 | 11.273 | 11.250 | 11.295 | HH | 11771  | 190570  | 6.98%  | 0.244% |
| 179 | 11.313 | 11.295 | 11.319 | HH | 4921   | 67845   | 2.49%  | 0.087% |
| 180 | 11.361 | 11.319 | 11.392 | HH | 9095   | 266631  | 9.77%  | 0.342% |
|     |        |        |        |    |        |         |        |        |
| 181 | 11.421 | 11.392 | 11.445 | HH | 5360   | 130062  | 4.77%  | 0.167% |
| 182 | 11.473 | 11.445 | 11.493 | HH | 6423   | 132612  | 4.86%  | 0.170% |
| 183 | 11.512 | 11.493 | 11.537 | HH | 4782   | 108922  | 3.99%  | 0.140% |
| 184 | 11.569 | 11.537 | 11.589 | HH | 4881   | 131360  | 4.81%  | 0.168% |
| 185 | 11.624 | 11.589 | 11.638 | HH | 19071  | 282821  | 10.36% | 0.363% |
|     |        |        |        |    |        |         |        |        |
| 186 | 11.654 | 11.638 | 11.695 | HH | 23350  | 345392  | 12.66% | 0.443% |
| 187 | 11.738 | 11.695 | 11.756 | HH | 26331  | 484300  | 17.75% | 0.621% |
| 188 | 11.772 | 11.756 | 11.786 | HH | 13775  | 185740  | 6.81%  | 0.238% |
| 189 | 11.802 | 11.786 | 11.825 | HH | 17653  | 258018  | 9.45%  | 0.331% |
| 190 | 11.833 | 11.825 | 11.855 | HH | 5464   | 86072   | 3.15%  | 0.110% |
|     |        |        |        |    |        |         |        |        |
| 191 | 11.878 | 11.855 | 11.900 | HH | 5344   | 121509  | 4.45%  | 0.156% |
| 192 | 11.943 | 11.900 | 11.961 | HH | 11380  | 247483  | 9.07%  | 0.317% |
| 193 | 11.995 | 11.961 | 12.048 | HH | 57483  | 898513  | 32.92% | 1.152% |
| 194 | 12.053 | 12.048 | 12.071 | HH | 4571   | 63145   | 2.31%  | 0.081% |

|     |        |        |        |    |        |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
|     |        |        |        |    | rteres |         |         |        |
| 195 | 12.094 | 12.071 | 12.115 | HH | 13211  | 206975  | 7.58%   | 0.265% |
| 196 | 12.126 | 12.115 | 12.138 | HH | 5329   | 68643   | 2.52%   | 0.088% |
| 197 | 12.156 | 12.138 | 12.164 | HH | 5622   | 84150   | 3.08%   | 0.108% |
| 198 | 12.185 | 12.164 | 12.223 | HH | 24557  | 393979  | 14.44%  | 0.505% |
| 199 | 12.244 | 12.223 | 12.261 | HH | 6381   | 131794  | 4.83%   | 0.169% |
| 200 | 12.272 | 12.261 | 12.288 | HH | 5268   | 80927   | 2.97%   | 0.104% |
| 201 | 12.323 | 12.288 | 12.335 | HH | 5661   | 149355  | 5.47%   | 0.191% |
| 202 | 12.366 | 12.335 | 12.393 | HH | 6624   | 203387  | 7.45%   | 0.261% |
| 203 | 12.413 | 12.393 | 12.449 | HH | 8905   | 220233  | 8.07%   | 0.282% |
| 204 | 12.470 | 12.449 | 12.503 | HH | 11226  | 246213  | 9.02%   | 0.316% |
| 205 | 12.525 | 12.503 | 12.543 | HH | 15686  | 252556  | 9.25%   | 0.324% |
| 206 | 12.559 | 12.543 | 12.564 | HH | 9574   | 110257  | 4.04%   | 0.141% |
| 207 | 12.584 | 12.564 | 12.607 | HH | 14913  | 272699  | 9.99%   | 0.350% |
| 208 | 12.641 | 12.607 | 12.687 | HH | 173684 | 2166551 | 79.39%  | 2.778% |
| 209 | 12.700 | 12.687 | 12.719 | HH | 6647   | 113115  | 4.14%   | 0.145% |
| 210 | 12.737 | 12.719 | 12.749 | HH | 6036   | 101654  | 3.72%   | 0.130% |
| 211 | 12.775 | 12.749 | 12.792 | HH | 14235  | 249741  | 9.15%   | 0.320% |
| 212 | 12.801 | 12.792 | 12.813 | HH | 9232   | 109512  | 4.01%   | 0.140% |
| 213 | 12.828 | 12.813 | 12.850 | HH | 11412  | 213890  | 7.84%   | 0.274% |
| 214 | 12.857 | 12.850 | 12.865 | HH | 8438   | 73129   | 2.68%   | 0.094% |
| 215 | 12.882 | 12.865 | 12.911 | HH | 9127   | 212824  | 7.80%   | 0.273% |
| 216 | 12.939 | 12.911 | 12.965 | HH | 144120 | 1699522 | 62.27%  | 2.179% |
| 217 | 13.015 | 12.965 | 13.047 | HH | 168745 | 2591002 | 94.94%  | 3.322% |
| 218 | 13.072 | 13.047 | 13.095 | HH | 212177 | 2729090 | 100.00% | 3.499% |
| 219 | 13.107 | 13.095 | 13.162 | HH | 26771  | 577148  | 21.15%  | 0.740% |
| 220 | 13.204 | 13.162 | 13.226 | HH | 23883  | 488810  | 17.91%  | 0.627% |
| 221 | 13.253 | 13.226 | 13.301 | HH | 38917  | 871407  | 31.93%  | 1.117% |
| 222 | 13.307 | 13.301 | 13.320 | HH | 9762   | 107252  | 3.93%   | 0.138% |
| 223 | 13.336 | 13.320 | 13.354 | HH | 12852  | 216323  | 7.93%   | 0.277% |
| 224 | 13.364 | 13.354 | 13.374 | HH | 8838   | 103418  | 3.79%   | 0.133% |
| 225 | 13.398 | 13.374 | 13.413 | HH | 17146  | 317259  | 11.63%  | 0.407% |
| 226 | 13.420 | 13.413 | 13.469 | HH | 13451  | 333121  | 12.21%  | 0.427% |
| 227 | 13.529 | 13.469 | 13.568 | HH | 37794  | 977685  | 35.82%  | 1.254% |
| 228 | 13.595 | 13.568 | 13.610 | HH | 10472  | 238931  | 8.75%   | 0.306% |
| 229 | 13.635 | 13.610 | 13.658 | HH | 28394  | 506663  | 18.57%  | 0.650% |
| 230 | 13.675 | 13.658 | 13.696 | HH | 20266  | 341001  | 12.50%  | 0.437% |
| 231 | 13.719 | 13.696 | 13.739 | HH | 11070  | 260477  | 9.54%   | 0.334% |
| 232 | 13.784 | 13.739 | 13.792 | HH | 17532  | 438761  | 16.08%  | 0.563% |
| 233 | 13.804 | 13.792 | 13.825 | HH | 20621  | 336400  | 12.33%  | 0.431% |
| 234 | 13.846 | 13.825 | 13.877 | HH | 18643  | 415530  | 15.23%  | 0.533% |
| 235 | 13.897 | 13.877 | 13.903 | HH | 11157  | 165281  | 6.06%   | 0.212% |
| 236 | 13.916 | 13.903 | 13.939 | HH | 11136  | 225507  | 8.26%   | 0.289% |
| 237 | 13.958 | 13.939 | 13.977 | HH | 9989   | 222034  | 8.14%   | 0.285% |
| 238 | 14.014 | 13.977 | 14.024 | HH | 10830  | 287676  | 10.54%  | 0.369% |
| 239 | 14.045 | 14.024 | 14.070 | HH | 15039  | 350793  | 12.85%  | 0.450% |
| 240 | 14.085 | 14.070 | 14.104 | HH | 12516  | 237047  | 8.69%   | 0.304% |
| 241 | 14.111 | 14.104 | 14.123 | HH | 10660  | 120090  | 4.40%   | 0.154% |
| 242 | 14.141 | 14.123 | 14.157 | HH | 10664  | 214936  | 7.88%   | 0.276% |
| 243 | 14.169 | 14.157 | 14.177 | HH | 10571  | 123076  | 4.51%   | 0.158% |
| 244 | 14.194 | 14.177 | 14.204 | HH | 12169  | 183590  | 6.73%   | 0.235% |
| 245 | 14.234 | 14.204 | 14.247 | HH | 18376  | 406845  | 14.91%  | 0.522% |
| 246 | 14.260 | 14.247 | 14.303 | HH | 19692  | 491387  | 18.01%  | 0.630% |

| rteres                  |        |        |        |     |        |          |        |        |
|-------------------------|--------|--------|--------|-----|--------|----------|--------|--------|
| 247                     | 14.344 | 14.303 | 14.382 | HH  | 17532  | 665213   | 24.37% | 0.853% |
| 248                     | 14.402 | 14.382 | 14.414 | HH  | 16423  | 287678   | 10.54% | 0.369% |
| 249                     | 14.442 | 14.414 | 14.484 | HH  | 22187  | 703378   | 25.77% | 0.902% |
| 250                     | 14.506 | 14.484 | 14.527 | HH  | 33798  | 583613   | 21.38% | 0.748% |
|                         |        |        |        |     |        |          |        |        |
| 251                     | 14.562 | 14.527 | 14.593 | HH  | 22085  | 662529   | 24.28% | 0.849% |
| 252                     | 14.631 | 14.593 | 14.647 | HH  | 13953  | 424422   | 15.55% | 0.544% |
| 253                     | 14.684 | 14.647 | 14.735 | HH  | 25048  | 855495   | 31.35% | 1.097% |
| 254                     | 14.768 | 14.735 | 14.788 | HH  | 20619  | 491182   | 18.00% | 0.683% |
| 255                     | 14.817 | 14.788 | 14.836 | HH  | 92258  | 1336682  | 48.98% | 1.714% |
|                         |        |        |        |     |        |          |        |        |
| 256                     | 14.858 | 14.836 | 14.932 | HH  | 87468  | 1782157  | 65.30% | 2.285% |
| 257                     | 14.977 | 14.932 | 15.007 | HH  | 32794  | 948379   | 34.75% | 1.216% |
| 258                     | 15.017 | 15.007 | 15.037 | HH  | 17794  | 309099   | 11.33% | 0.396% |
| 259                     | 15.054 | 15.037 | 15.088 | HH  | 21267  | 532963   | 19.53% | 0.683% |
| 260                     | 15.116 | 15.088 | 15.139 | HH  | 21526  | 559054   | 20.49% | 0.717% |
|                         |        |        |        |     |        |          |        |        |
| 261                     | 15.158 | 15.139 | 15.214 | HH  | 22585  | 844054   | 30.93% | 1.082% |
| 262                     | 15.263 | 15.214 | 15.287 | HH  | 22232  | 834425   | 30.58% | 1.070% |
| 263                     | 15.299 | 15.287 | 15.321 | HH  | 19076  | 373190   | 13.67% | 0.478% |
| 264                     | 15.331 | 15.321 | 15.344 | HH  | 17342  | 241203   | 8.84%  | 0.309% |
| 265                     | 15.361 | 15.344 | 15.374 | HH  | 17941  | 312878   | 11.46% | 0.401% |
|                         |        |        |        |     |        |          |        |        |
| 266                     | 15.408 | 15.374 | 15.428 | HH  | 22265  | 641888   | 23.52% | 0.823% |
| 267                     | 15.462 | 15.428 | 15.472 | HH  | 23148  | 582524   | 21.34% | 0.747% |
| 268                     | 15.490 | 15.472 | 15.510 | HH  | 35704  | 650174   | 23.82% | 0.834% |
| 269                     | 15.527 | 15.510 | 15.555 | HH  | 26528  | 627274   | 22.98% | 0.804% |
| 270                     | 15.573 | 15.555 | 15.594 | HH  | 24231  | 516431   | 18.92% | 0.662% |
|                         |        |        |        |     |        |          |        |        |
| 271                     | 15.650 | 15.594 | 15.691 | HH  | 32585  | 1502579  | 55.06% | 1.927% |
| 272                     | 15.728 | 15.691 | 15.762 | HH  | 25154  | 955967   | 35.03% | 1.226% |
| 273                     | 15.779 | 15.762 | 15.792 | HH  | 22433  | 396429   | 14.53% | 0.508% |
| 274                     | 15.816 | 15.792 | 15.832 | HH  | 25360  | 569706   | 20.88% | 0.730% |
| 275                     | 15.842 | 15.832 | 15.863 | HH  | 23894  | 430658   | 15.78% | 0.552% |
|                         |        |        |        |     |        |          |        |        |
| 276                     | 15.911 | 15.863 | 15.947 | HH  | 30367  | 1263710  | 46.31% | 1.620% |
| 277                     | 15.981 | 15.947 | 15.985 | HH  | 23662  | 545076   | 19.97% | 0.699% |
| 278                     | 15.995 | 15.985 | 16.004 | HH  | 23817  | 259592   | 9.51%  | 0.333% |
| 279                     | 16.021 | 16.004 | 16.039 | HH  | 24312  | 504364   | 18.48% | 0.647% |
| 280                     | 16.099 | 16.039 | 16.119 | HH  | 29334  | 1253208  | 45.92% | 1.607% |
|                         |        |        |        |     |        |          |        |        |
| 281                     | 16.124 | 16.119 | 16.142 | HH  | 26969  | 370064   | 13.56% | 0.474% |
| 282                     | 16.158 | 16.142 | 16.176 | HH  | 29464  | 568982   | 20.85% | 0.730% |
| 283                     | 16.206 | 16.176 | 16.232 | HH  | 29996  | 962325   | 35.26% | 1.234% |
| 284                     | 16.239 | 16.232 | 16.244 | HH  | 28398  | 203346   | 7.45%  | 0.261% |
| 285                     | 16.299 | 16.244 | 16.327 | HH  | 34535  | 1522857  | 55.80% | 1.953% |
|                         |        |        |        |     |        |          |        |        |
| 286                     | 16.378 | 16.327 | 16.396 | HH  | 108425 | 2350031  | 86.11% | 3.013% |
| 287                     | 16.404 | 16.396 | 16.443 | HH  | 66386  | 1254935  | 45.98% | 1.609% |
| 288                     | 16.458 | 16.443 | 16.472 | HH  | 32655  | 551401   | 20.20% | 0.707% |
| 289                     | 16.507 | 16.472 | 16.530 | HH  | 50296  | 1338092  | 49.03% | 1.716% |
| 290                     | 16.548 | 16.530 | 16.574 | HH  | 35740  | 925296   | 33.90% | 1.186% |
|                         |        |        |        |     |        |          |        |        |
| 291                     | 16.579 | 16.574 | 16.583 | HH  | 33469  | 179456   | 6.58%  | 0.230% |
| 292                     | 16.625 | 16.583 | 16.640 | HH  | 35921  | 1182629  | 43.33% | 1.516% |
| 293                     | 16.697 | 16.640 | 16.725 | HH  | 82394  | 2577502  | 94.45% | 3.305% |
| 294                     | 16.755 | 16.725 | 16.798 | HH  | 100599 | 2416141  | 88.53% | 3.098% |
| 295                     | 16.823 | 16.798 | 16.832 | HH  | 38806  | 776333   | 28.45% | 0.995% |
|                         |        |        |        |     |        |          |        |        |
| 296                     | 16.858 | 16.832 | 16.890 | HHA | 60753  | 1670893  | 61.23% | 2.142% |
| Sum of corrected areas: |        |        |        |     |        | 77994362 |        |        |

FF050819.M Fri May 10 10:46:30 2019

rteres