

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC010220AL\  
 Data File : FC045160.D  
 Signal(s) : FID1A.CH  
 Acq On : 02 Jan 2020 17:14  
 Sample : K6113-18  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 122319.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         | 3.512       | 3.477        | 3.527      | PV       | 3299           | 30068        | 0.01%          | 0.002%        |
| 2         | 3.538       | 3.527        | 3.557      | VV       | 1295           | 11849        | 0.00%          | 0.001%        |
| 3         | 3.567       | 3.557        | 3.594      | VV       | 464            | 4564         | 0.00%          | 0.000%        |
| 4         | 3.619       | 3.594        | 3.632      | PV       | 619            | 7938         | 0.00%          | 0.001%        |
| 5         | 3.646       | 3.632        | 3.661      | VV       | 863            | 9895         | 0.00%          | 0.001%        |
| 6         | 3.671       | 3.661        | 3.686      | VV       | 632            | 5628         | 0.00%          | 0.000%        |
| 7         | 3.716       | 3.686        | 3.752      | VV       | 779            | 15594        | 0.01%          | 0.001%        |
| 8         | 3.762       | 3.752        | 3.771      | VV       | 686            | 4890         | 0.00%          | 0.000%        |
| 9         | 3.788       | 3.771        | 3.816      | VV       | 2315           | 29363        | 0.01%          | 0.002%        |
| 10        | 3.840       | 3.816        | 3.866      | VV       | 1175           | 22317        | 0.01%          | 0.002%        |
| 11        | 3.888       | 3.866        | 3.916      | VV       | 3178           | 44531        | 0.02%          | 0.003%        |
| 12        | 3.930       | 3.916        | 3.947      | VV       | 2528           | 29521        | 0.01%          | 0.002%        |
| 13        | 3.963       | 3.947        | 3.979      | VV       | 1988           | 23530        | 0.01%          | 0.002%        |
| 14        | 3.988       | 3.979        | 3.998      | VV       | 964            | 8689         | 0.00%          | 0.001%        |
| 15        | 4.016       | 3.998        | 4.053      | VV       | 8668           | 112267       | 0.05%          | 0.009%        |
| 16        | 4.067       | 4.053        | 4.081      | VV       | 1977           | 17235        | 0.01%          | 0.001%        |
| 17        | 4.101       | 4.081        | 4.153      | VV       | 8360           | 114136       | 0.05%          | 0.009%        |
| 18        | 4.171       | 4.153        | 4.181      | VV       | 9448           | 83911        | 0.04%          | 0.006%        |
| 19        | 4.194       | 4.181        | 4.237      | VV       | 8267           | 174611       | 0.07%          | 0.013%        |
| 20        | 4.282       | 4.237        | 4.311      | VV       | 6846           | 120391       | 0.05%          | 0.009%        |
| 21        | 4.321       | 4.311        | 4.332      | VV       | 1155           | 10827        | 0.00%          | 0.001%        |
| 22        | 4.358       | 4.332        | 4.382      | VV       | 26157          | 276308       | 0.12%          | 0.021%        |
| 23        | 4.398       | 4.382        | 4.426      | VV       | 5913           | 96119        | 0.04%          | 0.007%        |
| 24        | 4.434       | 4.426        | 4.444      | VV       | 2346           | 23641        | 0.01%          | 0.002%        |
| 25        | 4.455       | 4.444        | 4.479      | VV       | 2752           | 29398        | 0.01%          | 0.002%        |
| 26        | 4.509       | 4.479        | 4.527      | PV       | 3053           | 49231        | 0.02%          | 0.004%        |
| 27        | 4.549       | 4.527        | 4.566      | VV       | 6653           | 77704        | 0.03%          | 0.006%        |
| 28        | 4.587       | 4.566        | 4.622      | VV       | 37134          | 373778       | 0.16%          | 0.028%        |
| 29        | 4.639       | 4.622        | 4.653      | VV       | 14650          | 133060       | 0.06%          | 0.010%        |
| 30        | 4.665       | 4.653        | 4.686      | VV       | 6867           | 73971        | 0.03%          | 0.006%        |
| 31        | 4.698       | 4.686        | 4.724      | VV       | 3667           | 45291        | 0.02%          | 0.003%        |
| 32        | 4.747       | 4.724        | 4.779      | VV       | 12507          | 154371       | 0.06%          | 0.012%        |
| 33        | 4.813       | 4.779        | 4.827      | VV       | 8745           | 158625       | 0.07%          | 0.012%        |
| 34        | 4.842       | 4.827        | 4.860      | VV       | 16857          | 163003       | 0.07%          | 0.012%        |
| 35        | 4.877       | 4.860        | 4.908      | VV       | 10727          | 172686       | 0.07%          | 0.013%        |
| 36        | 4.923       | 4.908        | 4.936      | VV       | 14280          | 152690       | 0.06%          | 0.012%        |

| rteres |       |       |       |    |        |         |       |        |
|--------|-------|-------|-------|----|--------|---------|-------|--------|
| 37     | 4.944 | 4.936 | 4.955 | VV | 9550   | 89722   | 0.04% | 0.007% |
| 38     | 4.973 | 4.955 | 4.989 | VV | 21791  | 246936  | 0.10% | 0.019% |
| 39     | 5.009 | 4.989 | 5.031 | VV | 18185  | 278184  | 0.12% | 0.021% |
| 40     | 5.047 | 5.031 | 5.059 | VV | 17471  | 179139  | 0.08% | 0.014% |
| 41     | 5.073 | 5.059 | 5.091 | VV | 19791  | 225587  | 0.09% | 0.017% |
| 42     | 5.124 | 5.091 | 5.173 | VV | 13510  | 283438  | 0.12% | 0.021% |
| 43     | 5.197 | 5.173 | 5.212 | PV | 14253  | 153054  | 0.06% | 0.012% |
| 44     | 5.232 | 5.212 | 5.279 | VV | 25347  | 626325  | 0.26% | 0.048% |
| 45     | 5.291 | 5.279 | 5.301 | VV | 15540  | 146977  | 0.06% | 0.011% |
| 46     | 5.314 | 5.301 | 5.323 | VV | 24463  | 235897  | 0.10% | 0.018% |
| 47     | 5.329 | 5.323 | 5.354 | VV | 21821  | 251649  | 0.11% | 0.019% |
| 48     | 5.364 | 5.354 | 5.382 | VV | 7291   | 77579   | 0.03% | 0.006% |
| 49     | 5.399 | 5.382 | 5.410 | VV | 2152   | 27212   | 0.01% | 0.002% |
| 50     | 5.433 | 5.410 | 5.461 | VV | 11390  | 212931  | 0.09% | 0.016% |
| 51     | 5.509 | 5.461 | 5.541 | VV | 19865  | 587458  | 0.25% | 0.045% |
| 52     | 5.555 | 5.541 | 5.568 | VV | 7395   | 103380  | 0.04% | 0.008% |
| 53     | 5.583 | 5.568 | 5.606 | VV | 14197  | 167945  | 0.07% | 0.013% |
| 54     | 5.626 | 5.606 | 5.649 | VV | 118059 | 1233862 | 0.52% | 0.094% |
| 55     | 5.666 | 5.649 | 5.686 | VV | 60034  | 614827  | 0.26% | 0.047% |
| 56     | 5.700 | 5.686 | 5.736 | VV | 9299   | 146382  | 0.06% | 0.011% |
| 57     | 5.766 | 5.736 | 5.777 | VV | 6623   | 89688   | 0.04% | 0.007% |
| 58     | 5.785 | 5.777 | 5.796 | VV | 5146   | 47429   | 0.02% | 0.004% |
| 59     | 5.823 | 5.796 | 5.861 | VV | 53853  | 777256  | 0.33% | 0.059% |
| 60     | 5.872 | 5.861 | 5.885 | VV | 7773   | 90040   | 0.04% | 0.007% |
| 61     | 5.921 | 5.885 | 5.954 | VV | 57066  | 1200023 | 0.50% | 0.091% |
| 62     | 5.973 | 5.954 | 5.989 | VV | 31392  | 329293  | 0.14% | 0.025% |
| 63     | 6.013 | 5.989 | 6.027 | VV | 42915  | 599247  | 0.25% | 0.045% |
| 64     | 6.039 | 6.027 | 6.066 | VV | 24922  | 375010  | 0.16% | 0.028% |
| 65     | 6.086 | 6.066 | 6.110 | VV | 29005  | 331830  | 0.14% | 0.025% |
| 66     | 6.133 | 6.110 | 6.156 | PV | 30121  | 465444  | 0.20% | 0.035% |
| 67     | 6.188 | 6.156 | 6.204 | VV | 46925  | 681615  | 0.29% | 0.052% |
| 68     | 6.223 | 6.204 | 6.247 | VV | 32651  | 507590  | 0.21% | 0.039% |
| 69     | 6.267 | 6.247 | 6.294 | VV | 37225  | 488564  | 0.20% | 0.037% |
| 70     | 6.325 | 6.294 | 6.343 | VV | 49583  | 772364  | 0.32% | 0.059% |
| 71     | 6.364 | 6.343 | 6.388 | VV | 26406  | 500247  | 0.21% | 0.038% |
| 72     | 6.403 | 6.388 | 6.424 | VV | 32074  | 434879  | 0.18% | 0.033% |
| 73     | 6.453 | 6.424 | 6.472 | VV | 34260  | 623284  | 0.26% | 0.047% |
| 74     | 6.490 | 6.472 | 6.511 | VV | 20959  | 349492  | 0.15% | 0.027% |
| 75     | 6.557 | 6.511 | 6.579 | VV | 51708  | 958194  | 0.40% | 0.073% |
| 76     | 6.606 | 6.579 | 6.624 | VV | 179495 | 1933124 | 0.81% | 0.147% |
| 77     | 6.634 | 6.624 | 6.654 | VV | 35377  | 395203  | 0.17% | 0.030% |
| 78     | 6.700 | 6.654 | 6.711 | VV | 14539  | 356198  | 0.15% | 0.027% |
| 79     | 6.727 | 6.711 | 6.735 | VV | 23216  | 264346  | 0.11% | 0.020% |
| 80     | 6.754 | 6.735 | 6.777 | VV | 76472  | 968372  | 0.41% | 0.073% |
| 81     | 6.813 | 6.777 | 6.851 | VV | 36179  | 889984  | 0.37% | 0.068% |
| 82     | 6.893 | 6.851 | 6.913 | VV | 48451  | 912105  | 0.38% | 0.069% |
| 83     | 6.951 | 6.913 | 6.980 | VV | 36441  | 944622  | 0.40% | 0.072% |
| 84     | 7.020 | 6.980 | 7.041 | VV | 133821 | 1680222 | 0.70% | 0.127% |
| 85     | 7.056 | 7.041 | 7.071 | VV | 20589  | 273916  | 0.11% | 0.021% |
| 86     | 7.122 | 7.071 | 7.151 | VV | 42543  | 1357702 | 0.57% | 0.103% |
| 87     | 7.172 | 7.151 | 7.193 | VV | 49955  | 909144  | 0.38% | 0.069% |
| 88     | 7.208 | 7.193 | 7.231 | VV | 46993  | 718089  | 0.30% | 0.054% |
| 89     | 7.249 | 7.231 | 7.282 | VV | 100343 | 1578508 | 0.66% | 0.120% |

|     |       |       |        |    |        |         |       |        |
|-----|-------|-------|--------|----|--------|---------|-------|--------|
|     |       |       |        |    | rteres |         |       |        |
| 90  | 7.308 | 7.282 | 7.355  | VV | 63245  | 1444101 | 0.61% | 0.110% |
| 91  | 7.381 | 7.355 | 7.400  | VV | 48888  | 797899  | 0.33% | 0.061% |
| 92  | 7.416 | 7.400 | 7.435  | VV | 32422  | 484967  | 0.20% | 0.037% |
| 93  | 7.458 | 7.435 | 7.477  | VV | 23084  | 457732  | 0.19% | 0.035% |
| 94  | 7.529 | 7.477 | 7.567  | VV | 317450 | 4484163 | 1.88% | 0.340% |
| 95  | 7.582 | 7.567 | 7.597  | VV | 48324  | 604033  | 0.25% | 0.046% |
| 96  | 7.614 | 7.597 | 7.677  | VV | 36025  | 1169914 | 0.49% | 0.089% |
| 97  | 7.712 | 7.677 | 7.727  | VV | 65741  | 1223592 | 0.51% | 0.093% |
| 98  | 7.737 | 7.727 | 7.754  | VV | 52504  | 604521  | 0.25% | 0.046% |
| 99  | 7.766 | 7.754 | 7.798  | VV | 32072  | 516753  | 0.22% | 0.039% |
| 100 | 7.814 | 7.798 | 7.823  | VV | 20809  | 244045  | 0.10% | 0.019% |
| 101 | 7.854 | 7.823 | 7.887  | VV | 558936 | 6302066 | 2.64% | 0.478% |
| 102 | 7.897 | 7.887 | 7.914  | VV | 33050  | 408999  | 0.17% | 0.031% |
| 103 | 7.930 | 7.914 | 7.944  | VV | 35283  | 469334  | 0.20% | 0.036% |
| 104 | 7.978 | 7.944 | 7.994  | VV | 58221  | 1200625 | 0.50% | 0.091% |
| 105 | 8.006 | 7.994 | 8.027  | VV | 47986  | 714409  | 0.30% | 0.054% |
| 106 | 8.051 | 8.027 | 8.072  | VV | 68688  | 1003056 | 0.42% | 0.076% |
| 107 | 8.095 | 8.072 | 8.116  | VV | 64343  | 984145  | 0.41% | 0.075% |
| 108 | 8.148 | 8.116 | 8.197  | VV | 107607 | 2262969 | 0.95% | 0.172% |
| 109 | 8.221 | 8.197 | 8.247  | VV | 121929 | 1735830 | 0.73% | 0.132% |
| 110 | 8.257 | 8.247 | 8.298  | VV | 32315  | 773518  | 0.32% | 0.059% |
| 111 | 8.340 | 8.298 | 8.356  | VV | 76932  | 1762272 | 0.74% | 0.134% |
| 112 | 8.368 | 8.356 | 8.379  | VV | 60300  | 713742  | 0.30% | 0.054% |
| 113 | 8.446 | 8.419 | 8.471  | VV | 62357  | 1356300 | 0.57% | 0.103% |
| 114 | 8.514 | 8.471 | 8.554  | VV | 54615  | 1861818 | 0.78% | 0.141% |
| 115 | 8.575 | 8.554 | 8.588  | VV | 60400  | 843451  | 0.35% | 0.064% |
| 116 | 8.598 | 8.588 | 8.611  | VV | 48435  | 568553  | 0.24% | 0.043% |
| 117 | 8.635 | 8.611 | 8.665  | VV | 70860  | 1397546 | 0.59% | 0.106% |
| 118 | 8.696 | 8.665 | 8.705  | VV | 36451  | 724853  | 0.30% | 0.055% |
| 119 | 8.821 | 8.792 | 8.836  | VV | 95803  | 1675620 | 0.70% | 0.127% |
| 120 | 8.886 | 8.872 | 8.902  | VV | 63447  | 923968  | 0.39% | 0.070% |
| 121 | 8.984 | 8.959 | 9.000  | VV | 58717  | 916700  | 0.38% | 0.070% |
| 122 | 9.015 | 9.000 | 9.036  | VV | 41760  | 686639  | 0.29% | 0.052% |
| 123 | 9.056 | 9.036 | 9.076  | VV | 56676  | 1016801 | 0.43% | 0.077% |
| 124 | 9.093 | 9.076 | 9.124  | VV | 56871  | 1150777 | 0.48% | 0.087% |
| 125 | 9.172 | 9.124 | 9.190  | VV | 55666  | 1502618 | 0.63% | 0.114% |
| 126 | 9.269 | 9.252 | 9.289  | VV | 58607  | 952848  | 0.40% | 0.072% |
| 127 | 9.304 | 9.289 | 9.321  | VV | 45492  | 736939  | 0.31% | 0.056% |
| 128 | 9.331 | 9.321 | 9.346  | VV | 35414  | 463813  | 0.19% | 0.035% |
| 129 | 9.359 | 9.346 | 9.370  | VV | 31673  | 417152  | 0.17% | 0.032% |
| 130 | 9.386 | 9.370 | 9.404  | VV | 44196  | 681188  | 0.29% | 0.052% |
| 131 | 9.461 | 9.446 | 9.480  | VV | 41528  | 735441  | 0.31% | 0.056% |
| 132 | 9.518 | 9.480 | 9.534  | VV | 50658  | 1209799 | 0.51% | 0.092% |
| 133 | 9.550 | 9.534 | 9.566  | VV | 39030  | 629891  | 0.26% | 0.048% |
| 134 | 9.603 | 9.566 | 9.622  | VV | 121088 | 2365984 | 0.99% | 0.179% |
| 135 | 9.722 | 9.702 | 9.740  | VV | 70086  | 1148316 | 0.48% | 0.087% |
| 136 | 9.754 | 9.740 | 9.763  | VV | 52100  | 646124  | 0.27% | 0.049% |
| 137 | 9.777 | 9.763 | 9.828  | VV | 67111  | 1555436 | 0.65% | 0.118% |
| 138 | 9.840 | 9.828 | 9.866  | VV | 34257  | 648110  | 0.27% | 0.049% |
| 139 | 9.889 | 9.866 | 9.897  | VV | 28172  | 485546  | 0.20% | 0.037% |
| 140 | 9.957 | 9.897 | 9.976  | VV | 57764  | 2104685 | 0.88% | 0.160% |
| 141 | 9.998 | 9.976 | 10.048 | VV | 391346 | 5321812 | 2.23% | 0.404% |

| rteres |        |        |        |    |         |          |        |        |
|--------|--------|--------|--------|----|---------|----------|--------|--------|
| 142    | 10.062 | 10.048 | 10.076 | VV | 34664   | 552251   | 0.23%  | 0.042% |
| 143    | 10.098 | 10.076 | 10.149 | VV | 35980   | 1219433  | 0.51%  | 0.092% |
| 144    | 10.182 | 10.149 | 10.239 | VV | 33960   | 1386364  | 0.58%  | 0.105% |
| 145    | 10.274 | 10.239 | 10.301 | VV | 34646   | 954495   | 0.40%  | 0.072% |
| 146    | 10.342 | 10.301 | 10.356 | VV | 56169   | 1230733  | 0.52%  | 0.093% |
| 147    | 10.386 | 10.356 | 10.417 | VV | 160749  | 2889064  | 1.21%  | 0.219% |
| 148    | 10.434 | 10.417 | 10.445 | VV | 47010   | 681671   | 0.29%  | 0.052% |
| 149    | 10.473 | 10.445 | 10.505 | VV | 77202   | 1667146  | 0.70%  | 0.126% |
| 150    | 10.527 | 10.505 | 10.557 | VV | 85405   | 1402266  | 0.59%  | 0.106% |
| 151    | 10.617 | 10.557 | 10.641 | VV | 33177   | 1316058  | 0.55%  | 0.100% |
| 152    | 10.662 | 10.641 | 10.696 | VV | 47795   | 1162408  | 0.49%  | 0.088% |
| 153    | 10.736 | 10.696 | 10.759 | VV | 378012  | 5005573  | 2.10%  | 0.380% |
| 154    | 10.806 | 10.759 | 10.836 | VV | 171212  | 4145524  | 1.74%  | 0.314% |
| 155    | 10.844 | 10.836 | 10.864 | VV | 35831   | 572492   | 0.24%  | 0.043% |
| 156    | 10.873 | 10.864 | 10.894 | VV | 32517   | 486604   | 0.20%  | 0.037% |
| 157    | 10.909 | 10.894 | 10.920 | VV | 24634   | 341787   | 0.14%  | 0.026% |
| 158    | 10.946 | 10.920 | 10.967 | VV | 23297   | 646144   | 0.27%  | 0.049% |
| 159    | 11.011 | 10.967 | 11.032 | VV | 198710  | 2791677  | 1.17%  | 0.212% |
| 160    | 11.052 | 11.032 | 11.062 | VV | 49374   | 746632   | 0.31%  | 0.057% |
| 161    | 11.082 | 11.062 | 11.099 | VV | 82622   | 1316725  | 0.55%  | 0.100% |
| 162    | 11.127 | 11.099 | 11.166 | VV | 63455   | 1752474  | 0.74%  | 0.133% |
| 163    | 11.187 | 11.166 | 11.219 | VV | 52735   | 987155   | 0.41%  | 0.075% |
| 164    | 11.240 | 11.219 | 11.269 | VV | 41653   | 879847   | 0.37%  | 0.067% |
| 165    | 11.292 | 11.269 | 11.333 | VV | 37588   | 1010688  | 0.42%  | 0.077% |
| 166    | 11.359 | 11.333 | 11.380 | VV | 29090   | 643876   | 0.27%  | 0.049% |
| 167    | 11.396 | 11.380 | 11.406 | VV | 27588   | 397055   | 0.17%  | 0.030% |
| 168    | 11.437 | 11.406 | 11.461 | VV | 339546  | 4090045  | 1.72%  | 0.310% |
| 169    | 11.483 | 11.461 | 11.501 | VV | 43668   | 812425   | 0.34%  | 0.062% |
| 170    | 11.529 | 11.501 | 11.557 | VV | 125588  | 2098196  | 0.88%  | 0.159% |
| 171    | 11.592 | 11.557 | 11.617 | VV | 21270   | 629414   | 0.26%  | 0.048% |
| 172    | 11.638 | 11.617 | 11.646 | VV | 20278   | 284451   | 0.12%  | 0.022% |
| 173    | 11.660 | 11.646 | 11.671 | VV | 20283   | 281210   | 0.12%  | 0.021% |
| 174    | 11.698 | 11.671 | 11.709 | VV | 25384   | 516124   | 0.22%  | 0.039% |
| 175    | 11.731 | 11.709 | 11.744 | VV | 42737   | 729259   | 0.31%  | 0.055% |
| 176    | 11.769 | 11.744 | 11.794 | VV | 440512  | 5387619  | 2.26%  | 0.409% |
| 177    | 11.810 | 11.794 | 11.818 | VV | 40621   | 523644   | 0.22%  | 0.040% |
| 178    | 11.840 | 11.818 | 11.857 | VV | 63920   | 1083270  | 0.45%  | 0.082% |
| 179    | 11.867 | 11.857 | 11.884 | VV | 36959   | 450549   | 0.19%  | 0.034% |
| 180    | 11.922 | 11.884 | 11.943 | VV | 59918   | 1298121  | 0.54%  | 0.098% |
| 181    | 11.962 | 11.943 | 11.974 | VV | 44569   | 623409   | 0.26%  | 0.047% |
| 182    | 11.996 | 11.974 | 12.037 | VV | 219164  | 2878690  | 1.21%  | 0.218% |
| 183    | 12.108 | 12.037 | 12.133 | VV | 215785  | 4120448  | 1.73%  | 0.313% |
| 184    | 12.193 | 12.133 | 12.266 | VV | 3403365 | 63925838 | 26.81% | 4.849% |
| 185    | 12.277 | 12.266 | 12.298 | VV | 15838   | 256037   | 0.11%  | 0.019% |
| 186    | 12.315 | 12.298 | 12.329 | VV | 16724   | 246119   | 0.10%  | 0.019% |
| 187    | 12.410 | 12.329 | 12.470 | VV | 332796  | 9168907  | 3.85%  | 0.695% |
| 188    | 12.491 | 12.470 | 12.505 | VV | 29656   | 504109   | 0.21%  | 0.038% |
| 189    | 12.519 | 12.505 | 12.553 | VV | 35586   | 625502   | 0.26%  | 0.047% |
| 190    | 12.570 | 12.553 | 12.584 | VV | 26227   | 345617   | 0.14%  | 0.026% |
| 191    | 12.626 | 12.584 | 12.650 | VV | 50779   | 1101990  | 0.46%  | 0.084% |
| 192    | 12.669 | 12.650 | 12.697 | VV | 14156   | 288455   | 0.12%  | 0.022% |
| 193    | 12.745 | 12.697 | 12.772 | VV | 208417  | 3191752  | 1.34%  | 0.242% |
| 194    | 12.799 | 12.772 | 12.818 | VV | 53343   | 1016557  | 0.43%  | 0.077% |

| rteres |        |        |        |    |         |           |         |         |
|--------|--------|--------|--------|----|---------|-----------|---------|---------|
| 195    | 12.841 | 12.818 | 12.924 | VV | 166060  | 2687280   | 1.13%   | 0.204%  |
| 196    | 12.935 | 12.924 | 12.948 | VV | 4156    | 38792     | 0.02%   | 0.003%  |
| 197    | 12.966 | 12.948 | 12.977 | PV | 7585    | 74937     | 0.03%   | 0.006%  |
| 198    | 12.998 | 12.977 | 13.007 | VV | 11497   | 134741    | 0.06%   | 0.010%  |
| 199    | 13.023 | 13.007 | 13.041 | VV | 16888   | 270560    | 0.11%   | 0.021%  |
| 200    | 13.061 | 13.041 | 13.105 | VV | 19698   | 441938    | 0.19%   | 0.034%  |
| 201    | 13.136 | 13.105 | 13.151 | VV | 93507   | 1281591   | 0.54%   | 0.097%  |
| 202    | 13.268 | 13.151 | 13.284 | VV | 5503909 | 238423610 | 100.00% | 18.084% |
| 203    | 13.334 | 13.284 | 13.362 | VV | 8079488 | 206328538 | 86.54%  | 15.650% |
| 204    | 13.384 | 13.362 | 13.399 | VV | 214660  | 2920008   | 1.22%   | 0.221%  |
| 205    | 13.452 | 13.399 | 13.486 | VV | 2717965 | 54403381  | 22.82%  | 4.126%  |
| 206    | 13.523 | 13.486 | 13.575 | VV | 1315952 | 30299271  | 12.71%  | 2.298%  |
| 207    | 13.631 | 13.575 | 13.665 | VV | 222631  | 4634057   | 1.94%   | 0.351%  |
| 208    | 13.719 | 13.665 | 13.746 | VV | 177221  | 4036667   | 1.69%   | 0.306%  |
| 209    | 13.766 | 13.746 | 13.805 | VV | 60912   | 1497390   | 0.63%   | 0.114%  |
| 210    | 13.822 | 13.805 | 13.832 | VV | 46848   | 620217    | 0.26%   | 0.047%  |
| 211    | 13.851 | 13.832 | 13.879 | VV | 86215   | 1681599   | 0.71%   | 0.128%  |
| 212    | 13.905 | 13.879 | 13.925 | VV | 138228  | 2357970   | 0.99%   | 0.179%  |
| 213    | 13.948 | 13.925 | 13.972 | VV | 154618  | 2498886   | 1.05%   | 0.190%  |
| 214    | 13.996 | 13.972 | 14.017 | VV | 75398   | 1430673   | 0.60%   | 0.109%  |
| 215    | 14.062 | 14.017 | 14.091 | VV | 74488   | 2044551   | 0.86%   | 0.155%  |
| 216    | 14.097 | 14.091 | 14.137 | VV | 25800   | 561564    | 0.24%   | 0.043%  |
| 217    | 14.184 | 14.137 | 14.194 | VV | 71846   | 1561925   | 0.66%   | 0.118%  |
| 218    | 14.252 | 14.194 | 14.304 | VV | 126701  | 5480345   | 2.30%   | 0.416%  |
| 219    | 14.365 | 14.304 | 14.384 | VV | 198220  | 4495953   | 1.89%   | 0.341%  |
| 220    | 14.406 | 14.384 | 14.420 | VV | 257663  | 3758347   | 1.58%   | 0.285%  |
| 221    | 14.441 | 14.420 | 14.469 | VV | 433918  | 7218226   | 3.03%   | 0.548%  |
| 222    | 14.509 | 14.469 | 14.537 | VV | 419713  | 9211546   | 3.86%   | 0.699%  |
| 223    | 14.567 | 14.537 | 14.614 | VV | 355839  | 8052191   | 3.38%   | 0.611%  |
| 224    | 14.635 | 14.614 | 14.669 | VV | 101578  | 2256014   | 0.95%   | 0.171%  |
| 225    | 14.686 | 14.669 | 14.697 | VV | 61628   | 883926    | 0.37%   | 0.067%  |
| 226    | 14.732 | 14.697 | 14.808 | VV | 97845   | 2945849   | 1.24%   | 0.223%  |
| 227    | 14.860 | 14.808 | 14.877 | VV | 31810   | 889138    | 0.37%   | 0.067%  |
| 228    | 14.897 | 14.877 | 14.921 | VV | 32919   | 560885    | 0.24%   | 0.043%  |
| 229    | 14.940 | 14.921 | 14.960 | VV | 17655   | 259595    | 0.11%   | 0.020%  |
| 230    | 14.974 | 14.960 | 14.990 | VV | 14076   | 226690    | 0.10%   | 0.017%  |
| 231    | 15.045 | 14.990 | 15.086 | VV | 182978  | 4452013   | 1.87%   | 0.338%  |
| 232    | 15.101 | 15.086 | 15.119 | VV | 25673   | 339012    | 0.14%   | 0.026%  |
| 233    | 15.136 | 15.119 | 15.143 | VV | 14369   | 186323    | 0.08%   | 0.014%  |
| 234    | 15.184 | 15.143 | 15.202 | VV | 23633   | 598468    | 0.25%   | 0.045%  |
| 235    | 15.235 | 15.202 | 15.281 | VV | 17248   | 561534    | 0.24%   | 0.043%  |
| 236    | 15.320 | 15.281 | 15.363 | VV | 13823   | 487214    | 0.20%   | 0.037%  |
| 237    | 15.394 | 15.363 | 15.409 | VV | 23821   | 488089    | 0.20%   | 0.037%  |
| 238    | 15.428 | 15.409 | 15.461 | VV | 35482   | 633621    | 0.27%   | 0.048%  |
| 239    | 15.476 | 15.461 | 15.537 | VV | 19913   | 399217    | 0.17%   | 0.030%  |
| 240    | 15.562 | 15.537 | 15.591 | PV | 82134   | 1084905   | 0.46%   | 0.082%  |
| 241    | 15.623 | 15.591 | 15.663 | VV | 190503  | 2528763   | 1.06%   | 0.192%  |
| 242    | 15.684 | 15.663 | 15.707 | VV | 16978   | 264248    | 0.11%   | 0.020%  |
| 243    | 15.741 | 15.707 | 15.760 | VV | 15131   | 352237    | 0.15%   | 0.027%  |
| 244    | 15.778 | 15.760 | 15.808 | VV | 13431   | 273727    | 0.11%   | 0.021%  |
| 245    | 15.847 | 15.808 | 15.868 | VV | 19143   | 526080    | 0.22%   | 0.040%  |
| 246    | 15.877 | 15.868 | 15.902 | VV | 13864   | 217503    | 0.09%   | 0.016%  |

| rteres |        |        |        |    |        |          |       |        |
|--------|--------|--------|--------|----|--------|----------|-------|--------|
| 247    | 15.933 | 15.902 | 15.959 | VV | 11712  | 304586   | 0.13% | 0.023% |
| 248    | 15.999 | 15.959 | 16.020 | VV | 11969  | 360186   | 0.15% | 0.027% |
| 249    | 16.064 | 16.020 | 16.090 | VV | 109038 | 1726264  | 0.72% | 0.131% |
| 250    | 16.122 | 16.090 | 16.146 | VV | 36481  | 734756   | 0.31% | 0.056% |
| 251    | 16.157 | 16.146 | 16.191 | VV | 14346  | 340789   | 0.14% | 0.026% |
| 252    | 16.197 | 16.191 | 16.205 | VV | 11328  | 97292    | 0.04% | 0.007% |
| 253    | 16.239 | 16.205 | 16.257 | VV | 72758  | 1302803  | 0.55% | 0.099% |
| 254    | 16.275 | 16.257 | 16.331 | VV | 112741 | 2231597  | 0.94% | 0.169% |
| 255    | 16.377 | 16.331 | 16.399 | VV | 32939  | 1036488  | 0.43% | 0.079% |
| 256    | 16.442 | 16.399 | 16.457 | VV | 36800  | 1049195  | 0.44% | 0.080% |
| 257    | 16.478 | 16.457 | 16.519 | VV | 39995  | 1053232  | 0.44% | 0.080% |
| 258    | 16.546 | 16.519 | 16.560 | VV | 99431  | 1517739  | 0.64% | 0.115% |
| 259    | 16.573 | 16.560 | 16.589 | VV | 89736  | 1282657  | 0.54% | 0.097% |
| 260    | 16.606 | 16.589 | 16.633 | VV | 115783 | 1872101  | 0.79% | 0.142% |
| 261    | 16.707 | 16.633 | 16.747 | VV | 62867  | 2768013  | 1.16% | 0.210% |
| 262    | 16.758 | 16.747 | 16.781 | VV | 42184  | 818844   | 0.34% | 0.062% |
| 263    | 16.786 | 16.781 | 16.806 | VV | 42590  | 564529   | 0.24% | 0.043% |
| 264    | 16.827 | 16.806 | 16.839 | VV | 38239  | 689144   | 0.29% | 0.052% |
| 265    | 16.874 | 16.839 | 16.889 | VV | 216348 | 3770524  | 1.58% | 0.286% |
| 266    | 16.912 | 16.889 | 16.934 | VV | 416167 | 6159266  | 2.58% | 0.467% |
| 267    | 16.950 | 16.934 | 16.984 | VV | 91368  | 1957479  | 0.82% | 0.148% |
| 268    | 17.012 | 16.984 | 17.034 | VV | 120495 | 2343186  | 0.98% | 0.178% |
| 269    | 17.056 | 17.034 | 17.107 | VV | 102824 | 2978448  | 1.25% | 0.226% |
| 270    | 17.124 | 17.107 | 17.146 | VV | 55222  | 1192126  | 0.50% | 0.090% |
| 271    | 17.162 | 17.146 | 17.170 | VV | 52062  | 736375   | 0.31% | 0.056% |
| 272    | 17.207 | 17.170 | 17.222 | VV | 61548  | 1688954  | 0.71% | 0.128% |
| 273    | 17.237 | 17.222 | 17.256 | VV | 62425  | 1176524  | 0.49% | 0.089% |
| 274    | 17.306 | 17.256 | 17.329 | VV | 73402  | 2845615  | 1.19% | 0.216% |
| 275    | 17.348 | 17.329 | 17.381 | VV | 77667  | 2129206  | 0.89% | 0.161% |
| 276    | 17.405 | 17.381 | 17.419 | VV | 63879  | 1404753  | 0.59% | 0.107% |
| 277    | 17.462 | 17.419 | 17.496 | VV | 175122 | 4269339  | 1.79% | 0.324% |
| 278    | 17.522 | 17.496 | 17.541 | VV | 82143  | 1877467  | 0.79% | 0.142% |
| 279    | 17.555 | 17.541 | 17.579 | VV | 72798  | 1562231  | 0.66% | 0.118% |
| 280    | 17.607 | 17.579 | 17.644 | VV | 92427  | 3028806  | 1.27% | 0.230% |
| 281    | 17.660 | 17.644 | 17.701 | VV | 78134  | 2421388  | 1.02% | 0.184% |
| 282    | 17.717 | 17.701 | 17.732 | VV | 73472  | 1301243  | 0.55% | 0.099% |
| 283    | 17.751 | 17.732 | 17.771 | VV | 82250  | 1732251  | 0.73% | 0.131% |
| 284    | 17.787 | 17.771 | 17.798 | VV | 74084  | 1149365  | 0.48% | 0.087% |
| 285    | 17.836 | 17.798 | 17.857 | VV | 90382  | 2890267  | 1.21% | 0.219% |
| 286    | 17.900 | 17.857 | 17.952 | VV | 196655 | 6191122  | 2.60% | 0.470% |
| 287    | 17.975 | 17.952 | 18.007 | VV | 87362  | 2653186  | 1.11% | 0.201% |
| 288    | 18.077 | 18.007 | 18.144 | VV | 168911 | 8931523  | 3.75% | 0.677% |
| 289    | 18.170 | 18.144 | 18.201 | VV | 97451  | 3169959  | 1.33% | 0.240% |
| 290    | 18.274 | 18.201 | 18.296 | VV | 115816 | 6072060  | 2.55% | 0.461% |
| 291    | 18.323 | 18.296 | 18.352 | VV | 208984 | 4959342  | 2.08% | 0.376% |
| 292    | 18.365 | 18.352 | 18.381 | VV | 104031 | 1713131  | 0.72% | 0.130% |
| 293    | 18.397 | 18.381 | 18.415 | VV | 107934 | 2131093  | 0.89% | 0.162% |
| 294    | 18.445 | 18.415 | 18.504 | VV | 179564 | 7097869  | 2.98% | 0.538% |
| 295    | 18.514 | 18.504 | 18.526 | VV | 111897 | 1438904  | 0.60% | 0.109% |
| 296    | 18.541 | 18.526 | 18.556 | VV | 116392 | 1952072  | 0.82% | 0.148% |
| 297    | 18.589 | 18.556 | 18.632 | VV | 139022 | 5524068  | 2.32% | 0.419% |
| 298    | 18.643 | 18.632 | 18.661 | VV | 118885 | 1986614  | 0.83% | 0.151% |
| 299    | 18.732 | 18.661 | 18.794 | VV | 235327 | 11081981 | 4.65% | 0.841% |

|     |        |        |        |    |        |          |       |        |
|-----|--------|--------|--------|----|--------|----------|-------|--------|
|     |        |        |        |    | rteres |          |       |        |
| 300 | 18.867 | 18.794 | 18.889 | VV | 189138 | 7747176  | 3.25% | 0.588% |
| 301 | 18.920 | 18.889 | 18.956 | VV | 165551 | 5818674  | 2.44% | 0.441% |
| 302 | 19.015 | 18.956 | 19.036 | VV | 150218 | 6626436  | 2.78% | 0.503% |
| 303 | 19.045 | 19.036 | 19.066 | VV | 144244 | 2507968  | 1.05% | 0.190% |
| 304 | 19.131 | 19.066 | 19.170 | VV | 243096 | 10484930 | 4.40% | 0.795% |
| 305 | 19.196 | 19.170 | 19.226 | VV | 175403 | 5298173  | 2.22% | 0.402% |
| 306 | 19.265 | 19.226 | 19.311 | VV | 179308 | 8162542  | 3.42% | 0.619% |
| 307 | 19.321 | 19.311 | 19.337 | VV | 157714 | 2461412  | 1.03% | 0.187% |
| 308 | 19.345 | 19.337 | 19.364 | VV | 159307 | 2410123  | 1.01% | 0.183% |
| 309 | 19.376 | 19.364 | 19.406 | VV | 171169 | 4025301  | 1.69% | 0.305% |
| 310 | 19.426 | 19.406 | 19.468 | VV | 173930 | 6107310  | 2.56% | 0.463% |
| 311 | 19.519 | 19.468 | 19.544 | VV | 256676 | 8667895  | 3.64% | 0.657% |
| 312 | 19.570 | 19.544 | 19.616 | VV | 189224 | 7461868  | 3.13% | 0.566% |
| 313 | 19.656 | 19.616 | 19.712 | VV | 197188 | 10547434 | 4.42% | 0.800% |
| 314 | 19.726 | 19.712 | 19.735 | VV | 183681 | 2393341  | 1.00% | 0.182% |
| 315 | 19.751 | 19.735 | 19.774 | VV | 195687 | 4438787  | 1.86% | 0.337% |
| 316 | 19.781 | 19.774 | 19.791 | VV | 184710 | 1845891  | 0.77% | 0.140% |
| 317 | 19.811 | 19.791 | 19.852 | VV | 199938 | 6962500  | 2.92% | 0.528% |
| 318 | 19.896 | 19.852 | 19.944 | VV | 293742 | 12343985 | 5.18% | 0.936% |
| 319 | 19.963 | 19.944 | 19.997 | VV | 217594 | 6555065  | 2.75% | 0.497% |
| 320 | 20.011 | 19.997 | 20.037 | VV | 219408 | 4897853  | 2.05% | 0.372% |
| 321 | 20.052 | 20.037 | 20.064 | VV | 205322 | 3227071  | 1.35% | 0.245% |
| 322 | 20.073 | 20.064 | 20.110 | VV | 216872 | 5899674  | 2.47% | 0.447% |
| 323 | 20.135 | 20.110 | 20.165 | VV | 229158 | 7069064  | 2.96% | 0.536% |
| 324 | 20.196 | 20.165 | 20.241 | VV | 246227 | 10403933 | 4.36% | 0.789% |
| 325 | 20.260 | 20.241 | 20.306 | VV | 295452 | 9561316  | 4.01% | 0.725% |
| 326 | 20.310 | 20.306 | 20.327 | VV | 219497 | 2835490  | 1.19% | 0.215% |
| 327 | 20.361 | 20.327 | 20.384 | VV | 267709 | 8199561  | 3.44% | 0.622% |
| 328 | 20.393 | 20.384 | 20.407 | VV | 235405 | 3161668  | 1.33% | 0.240% |
| 329 | 20.427 | 20.407 | 20.476 | VV | 249631 | 9573404  | 4.02% | 0.726% |
| 330 | 20.498 | 20.476 | 20.531 | VV | 239695 | 7407452  | 3.11% | 0.562% |
| 331 | 20.546 | 20.531 | 20.599 | VV | 221893 | 8579348  | 3.60% | 0.651% |
| 332 | 20.627 | 20.599 | 20.691 | VV | 269203 | 12625746 | 5.30% | 0.958% |
| 333 | 20.725 | 20.691 | 20.736 | VV | 217976 | 5678734  | 2.38% | 0.431% |
| 334 | 20.744 | 20.736 | 20.751 | VV | 211441 | 1901398  | 0.80% | 0.144% |
| 335 | 20.758 | 20.751 | 20.792 | VV | 213133 | 5146656  | 2.16% | 0.390% |
| 336 | 20.809 | 20.792 | 20.857 | VV | 206524 | 7668220  | 3.22% | 0.582% |
| 337 | 20.870 | 20.857 | 20.911 | VV | 200436 | 6280667  | 2.63% | 0.476% |
| 338 | 20.920 | 20.911 | 20.942 | VV | 193273 | 3583510  | 1.50% | 0.272% |
| 339 | 20.950 | 20.942 | 20.959 | VV | 188303 | 1862952  | 0.78% | 0.141% |
| 340 | 20.968 | 20.959 | 20.982 | VV | 196798 | 2550788  | 1.07% | 0.193% |
| 341 | 21.042 | 20.982 | 21.067 | VV | 252994 | 10527295 | 4.42% | 0.798% |
| 342 | 21.086 | 21.067 | 21.104 | VV | 190479 | 4027635  | 1.69% | 0.305% |
| 343 | 21.114 | 21.104 | 21.139 | VV | 182208 | 3619896  | 1.52% | 0.275% |
| 344 | 21.154 | 21.139 | 21.177 | VV | 187729 | 4065780  | 1.71% | 0.308% |
| 345 | 21.202 | 21.177 | 21.218 | VV | 176751 | 4163112  | 1.75% | 0.316% |
| 346 | 21.240 | 21.218 | 21.266 | VV | 179910 | 4907659  | 2.06% | 0.372% |
| 347 | 21.273 | 21.266 | 21.301 | VV | 172493 | 3358710  | 1.41% | 0.255% |
| 348 | 21.314 | 21.301 | 21.357 | VV | 165466 | 5436997  | 2.28% | 0.412% |
| 349 | 21.384 | 21.357 | 21.416 | VV | 167303 | 5371761  | 2.25% | 0.407% |
| 350 | 21.425 | 21.416 | 21.452 | VV | 163399 | 3285260  | 1.38% | 0.249% |
| 351 | 21.512 | 21.452 | 21.544 | VV | 185316 | 8796283  | 3.69% | 0.667% |

|     |        |        |        |    |                                    |         |       |        |
|-----|--------|--------|--------|----|------------------------------------|---------|-------|--------|
|     |        |        |        |    | rteres                             |         |       |        |
| 352 | 21.556 | 21.544 | 21.574 | VV | 151919                             | 2497066 | 1.05% | 0.189% |
| 353 | 21.599 | 21.574 | 21.622 | VV | 147274                             | 3942849 | 1.65% | 0.299% |
| 354 | 21.644 | 21.622 | 21.658 | VV | 155081                             | 3112758 | 1.31% | 0.236% |
| 355 | 21.669 | 21.658 | 21.694 | VV | 142656                             | 2905160 | 1.22% | 0.220% |
| 356 | 21.722 | 21.694 | 21.740 | VV | 141826                             | 3659403 | 1.53% | 0.278% |
| 357 | 21.750 | 21.740 | 21.757 | VV | 129995                             | 1298165 | 0.54% | 0.098% |
|     |        |        |        |    | Sum of corrected areas: 1318395306 |         |       |        |

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