

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC041820AL\  
Data File : FC046894.D  
Signal(s) : FID1A.CH  
Acq On : 19 Apr 2020 00:36  
Sample : L2258-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 032320.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         | 3.500       | 3.482        | 3.516      | BV       | 580            | 5040         | 0.07%          | 0.002%        |
| 2         | 3.547       | 3.516        | 3.560      | VV       | 1186           | 15085        | 0.20%          | 0.006%        |
| 3         | 3.573       | 3.560        | 3.588      | VV       | 1942           | 17963        | 0.23%          | 0.008%        |
| 4         | 3.598       | 3.588        | 3.634      | VV       | 643            | 6961         | 0.09%          | 0.003%        |
| 5         | 3.681       | 3.634        | 3.694      | PV       | 1000           | 12824        | 0.17%          | 0.005%        |
| 6         | 3.704       | 3.694        | 3.719      | VV       | 809            | 7690         | 0.10%          | 0.003%        |
| 7         | 3.746       | 3.719        | 3.783      | VV       | 1026           | 19422        | 0.25%          | 0.008%        |
| 8         | 3.824       | 3.783        | 3.850      | VV       | 2183           | 35133        | 0.46%          | 0.015%        |
| 9         | 3.874       | 3.850        | 3.893      | VV       | 745            | 14227        | 0.19%          | 0.006%        |
| 10        | 3.920       | 3.893        | 3.970      | VV       | 3069           | 58166        | 0.76%          | 0.025%        |
| 11        | 3.994       | 3.970        | 4.010      | VV       | 2570           | 32239        | 0.42%          | 0.014%        |
| 12        | 4.021       | 4.010        | 4.035      | VV       | 938            | 8903         | 0.12%          | 0.004%        |
| 13        | 4.053       | 4.035        | 4.079      | VV       | 1321           | 17926        | 0.23%          | 0.008%        |
| 14        | 4.099       | 4.079        | 4.116      | VV       | 4119           | 38358        | 0.50%          | 0.016%        |
| 15        | 4.142       | 4.116        | 4.163      | VV       | 1805           | 31403        | 0.41%          | 0.013%        |
| 16        | 4.172       | 4.163        | 4.188      | VV       | 896            | 9600         | 0.13%          | 0.004%        |
| 17        | 4.215       | 4.188        | 4.234      | VV       | 2465           | 30538        | 0.40%          | 0.013%        |
| 18        | 4.254       | 4.234        | 4.274      | VV       | 1315           | 25249        | 0.33%          | 0.011%        |
| 19        | 4.286       | 4.274        | 4.297      | VV       | 1418           | 16205        | 0.21%          | 0.007%        |
| 20        | 4.315       | 4.297        | 4.339      | VV       | 2151           | 32227        | 0.42%          | 0.014%        |
| 21        | 4.369       | 4.339        | 4.380      | VV       | 1195           | 16442        | 0.21%          | 0.007%        |
| 22        | 4.398       | 4.380        | 4.413      | VV       | 2745           | 35126        | 0.46%          | 0.015%        |
| 23        | 4.427       | 4.413        | 4.452      | VV       | 2664           | 38029        | 0.50%          | 0.016%        |
| 24        | 4.467       | 4.452        | 4.506      | VV       | 2177           | 31120        | 0.41%          | 0.013%        |
| 25        | 4.538       | 4.506        | 4.554      | PV       | 2076           | 30116        | 0.39%          | 0.013%        |
| 26        | 4.601       | 4.554        | 4.655      | VV       | 1883           | 80263        | 1.05%          | 0.034%        |
| 27        | 4.690       | 4.655        | 4.720      | VV       | 2518           | 60814        | 0.80%          | 0.026%        |
| 28        | 4.728       | 4.720        | 4.751      | VV       | 1049           | 13187        | 0.17%          | 0.006%        |
| 29        | 4.776       | 4.751        | 4.805      | VV       | 3037           | 59660        | 0.78%          | 0.025%        |
| 30        | 4.821       | 4.805        | 4.850      | VV       | 4347           | 74563        | 0.97%          | 0.032%        |
| 31        | 4.867       | 4.850        | 4.887      | VV       | 9046           | 98721        | 1.29%          | 0.042%        |
| 32        | 4.904       | 4.887        | 4.936      | VV       | 3810           | 74647        | 0.98%          | 0.032%        |
| 33        | 4.950       | 4.936        | 4.965      | VV       | 3175           | 35825        | 0.47%          | 0.015%        |
| 34        | 4.987       | 4.965        | 5.008      | VV       | 2976           | 49622        | 0.65%          | 0.021%        |
| 35        | 5.029       | 5.008        | 5.050      | VV       | 7882           | 95752        | 1.25%          | 0.041%        |
| 36        | 5.100       | 5.050        | 5.119      | VV       | 7343           | 124157       | 1.62%          | 0.053%        |

|    |       |       |       |    | rteres |        |        |        |
|----|-------|-------|-------|----|--------|--------|--------|--------|
| 37 | 5.133 | 5.119 | 5.150 | VV | 2377   | 37143  | 0.49%  | 0.016% |
| 38 | 5.163 | 5.150 | 5.200 | VV | 3079   | 54355  | 0.71%  | 0.023% |
| 39 | 5.222 | 5.200 | 5.231 | VV | 3260   | 35731  | 0.47%  | 0.015% |
| 40 | 5.247 | 5.231 | 5.297 | VV | 5564   | 121760 | 1.59%  | 0.052% |
| 41 | 5.314 | 5.297 | 5.325 | VV | 3322   | 43322  | 0.57%  | 0.018% |
| 42 | 5.343 | 5.325 | 5.377 | VV | 7004   | 158895 | 2.08%  | 0.067% |
| 43 | 5.386 | 5.377 | 5.407 | VV | 3885   | 50144  | 0.66%  | 0.021% |
| 44 | 5.424 | 5.407 | 5.435 | VV | 2585   | 36565  | 0.48%  | 0.015% |
| 45 | 5.455 | 5.435 | 5.484 | VV | 4720   | 101245 | 1.32%  | 0.043% |
| 46 | 5.514 | 5.484 | 5.527 | VV | 4477   | 97774  | 1.28%  | 0.041% |
| 47 | 5.546 | 5.527 | 5.563 | VV | 6271   | 105461 | 1.38%  | 0.045% |
| 48 | 5.576 | 5.563 | 5.591 | VV | 5106   | 72326  | 0.95%  | 0.031% |
| 49 | 5.603 | 5.591 | 5.630 | VV | 4146   | 72737  | 0.95%  | 0.031% |
| 50 | 5.661 | 5.630 | 5.670 | VV | 6079   | 104239 | 1.36%  | 0.044% |
| 51 | 5.687 | 5.670 | 5.707 | VV | 11813  | 165322 | 2.16%  | 0.070% |
| 52 | 5.722 | 5.707 | 5.758 | VV | 5642   | 131283 | 1.72%  | 0.056% |
| 53 | 5.786 | 5.758 | 5.815 | VV | 5043   | 129279 | 1.69%  | 0.055% |
| 54 | 5.843 | 5.815 | 5.871 | VV | 19713  | 312806 | 4.09%  | 0.133% |
| 55 | 5.888 | 5.871 | 5.909 | VV | 7298   | 125437 | 1.64%  | 0.053% |
| 56 | 5.928 | 5.909 | 5.938 | VV | 11059  | 140296 | 1.83%  | 0.059% |
| 57 | 5.949 | 5.938 | 5.975 | VV | 12165  | 172748 | 2.26%  | 0.073% |
| 58 | 5.995 | 5.975 | 6.023 | VV | 7812   | 152368 | 1.99%  | 0.065% |
| 59 | 6.056 | 6.023 | 6.083 | VV | 8617   | 223316 | 2.92%  | 0.095% |
| 60 | 6.106 | 6.083 | 6.127 | VV | 7760   | 140233 | 1.83%  | 0.059% |
| 61 | 6.149 | 6.127 | 6.169 | VV | 10923  | 198244 | 2.59%  | 0.084% |
| 62 | 6.180 | 6.169 | 6.215 | VV | 9158   | 199199 | 2.60%  | 0.084% |
| 63 | 6.245 | 6.215 | 6.265 | VV | 9762   | 229262 | 3.00%  | 0.097% |
| 64 | 6.274 | 6.265 | 6.283 | VV | 6981   | 70048  | 0.92%  | 0.030% |
| 65 | 6.311 | 6.283 | 6.320 | VV | 10216  | 186252 | 2.44%  | 0.079% |
| 66 | 6.332 | 6.320 | 6.361 | VV | 10992  | 227144 | 2.97%  | 0.096% |
| 67 | 6.394 | 6.361 | 6.410 | VV | 15458  | 359614 | 4.70%  | 0.152% |
| 68 | 6.426 | 6.410 | 6.442 | VV | 12629  | 216287 | 2.83%  | 0.092% |
| 69 | 6.472 | 6.442 | 6.488 | VV | 12430  | 295888 | 3.87%  | 0.125% |
| 70 | 6.504 | 6.488 | 6.526 | VV | 14246  | 236752 | 3.10%  | 0.100% |
| 71 | 6.560 | 6.526 | 6.600 | VV | 17500  | 546255 | 7.14%  | 0.231% |
| 72 | 6.613 | 6.600 | 6.629 | VV | 13100  | 196364 | 2.57%  | 0.083% |
| 73 | 6.650 | 6.629 | 6.672 | VV | 11528  | 256284 | 3.35%  | 0.109% |
| 74 | 6.692 | 6.672 | 6.705 | VV | 10410  | 182093 | 2.38%  | 0.077% |
| 75 | 6.736 | 6.705 | 6.745 | VV | 12471  | 271065 | 3.54%  | 0.115% |
| 76 | 6.767 | 6.745 | 6.797 | VV | 34800  | 599696 | 7.84%  | 0.254% |
| 77 | 6.819 | 6.797 | 6.866 | VV | 25137  | 663049 | 8.67%  | 0.281% |
| 78 | 6.900 | 6.866 | 6.922 | VV | 20107  | 478515 | 6.26%  | 0.203% |
| 79 | 6.946 | 6.922 | 6.976 | VV | 18250  | 489597 | 6.40%  | 0.207% |
| 80 | 7.011 | 6.976 | 7.022 | VV | 15514  | 395726 | 5.17%  | 0.168% |
| 81 | 7.038 | 7.022 | 7.059 | VV | 23647  | 399524 | 5.22%  | 0.169% |
| 82 | 7.098 | 7.059 | 7.113 | VV | 17777  | 518055 | 6.77%  | 0.219% |
| 83 | 7.132 | 7.113 | 7.141 | VV | 25536  | 336667 | 4.40%  | 0.143% |
| 84 | 7.150 | 7.141 | 7.168 | VV | 25236  | 355318 | 4.65%  | 0.151% |
| 85 | 7.185 | 7.168 | 7.215 | VV | 23371  | 567728 | 7.42%  | 0.241% |
| 86 | 7.232 | 7.215 | 7.250 | VV | 20098  | 399109 | 5.22%  | 0.169% |
| 87 | 7.271 | 7.250 | 7.294 | VV | 24045  | 539688 | 7.06%  | 0.229% |
| 88 | 7.316 | 7.294 | 7.330 | VV | 48186  | 679817 | 8.89%  | 0.288% |
| 89 | 7.345 | 7.330 | 7.390 | VV | 33518  | 857894 | 11.22% | 0.363% |

|     |       |       |       |    | rteres |         |        |        |
|-----|-------|-------|-------|----|--------|---------|--------|--------|
| 90  | 7.428 | 7.390 | 7.449 | VV | 31090  | 831754  | 10.87% | 0.352% |
| 91  | 7.469 | 7.449 | 7.488 | VV | 21317  | 446133  | 5.83%  | 0.189% |
| 92  | 7.518 | 7.488 | 7.529 | VV | 24926  | 531631  | 6.95%  | 0.225% |
| 93  | 7.540 | 7.529 | 7.580 | VV | 27087  | 761926  | 9.96%  | 0.323% |
| 94  | 7.595 | 7.580 | 7.612 | VV | 28382  | 454414  | 5.94%  | 0.193% |
| 95  | 7.636 | 7.612 | 7.665 | VV | 27431  | 786968  | 10.29% | 0.333% |
| 96  | 7.680 | 7.665 | 7.690 | VV | 28011  | 370881  | 4.85%  | 0.157% |
| 97  | 7.727 | 7.690 | 7.764 | VV | 35833  | 1300391 | 17.00% | 0.551% |
| 98  | 7.774 | 7.764 | 7.797 | VV | 24695  | 441359  | 5.77%  | 0.187% |
| 99  | 7.941 | 7.930 | 7.962 | VV | 28181  | 519386  | 6.79%  | 0.220% |
| 100 | 7.984 | 7.962 | 7.999 | VV | 37728  | 716511  | 9.37%  | 0.304% |
| 101 | 8.009 | 7.999 | 8.022 | VV | 32357  | 408551  | 5.34%  | 0.173% |
| 102 | 8.059 | 8.022 | 8.077 | VV | 30772  | 940271  | 12.29% | 0.398% |
| 103 | 8.107 | 8.077 | 8.122 | VV | 33621  | 831855  | 10.88% | 0.352% |
| 104 | 8.158 | 8.122 | 8.203 | VV | 70993  | 1961497 | 25.65% | 0.831% |
| 105 | 8.225 | 8.203 | 8.247 | VV | 80301  | 1308061 | 17.10% | 0.554% |
| 106 | 8.262 | 8.247 | 8.275 | VV | 40879  | 641348  | 8.39%  | 0.272% |
| 107 | 8.288 | 8.275 | 8.308 | VV | 42947  | 772221  | 10.10% | 0.327% |
| 108 | 8.321 | 8.308 | 8.337 | VV | 39026  | 620427  | 8.11%  | 0.263% |
| 109 | 8.357 | 8.337 | 8.373 | VV | 57054  | 986871  | 12.90% | 0.418% |
| 110 | 8.385 | 8.373 | 8.395 | VV | 46945  | 590573  | 7.72%  | 0.250% |
| 111 | 8.404 | 8.395 | 8.421 | VV | 46163  | 655573  | 8.57%  | 0.278% |
| 112 | 8.450 | 8.421 | 8.464 | VV | 46544  | 1061419 | 13.88% | 0.450% |
| 113 | 8.480 | 8.464 | 8.508 | VV | 59649  | 1267954 | 16.58% | 0.537% |
| 114 | 8.520 | 8.508 | 8.542 | VV | 44735  | 859812  | 11.24% | 0.364% |
| 115 | 8.552 | 8.542 | 8.560 | VV | 38744  | 402484  | 5.26%  | 0.171% |
| 116 | 8.581 | 8.560 | 8.616 | VV | 76636  | 1757036 | 22.97% | 0.744% |
| 117 | 8.634 | 8.616 | 8.660 | VV | 48219  | 1145891 | 14.98% | 0.485% |
| 118 | 8.683 | 8.660 | 8.718 | VV | 46599  | 1444861 | 18.89% | 0.612% |
| 119 | 8.808 | 8.780 | 8.828 | VV | 56288  | 1433408 | 18.74% | 0.607% |
| 120 | 8.838 | 8.828 | 8.853 | VV | 46053  | 689074  | 9.01%  | 0.292% |
| 121 | 8.874 | 8.853 | 8.897 | VV | 68611  | 1399556 | 18.30% | 0.593% |
| 122 | 8.936 | 8.897 | 8.965 | VV | 128975 | 2786725 | 36.43% | 1.181% |
| 123 | 8.978 | 8.965 | 8.999 | VV | 44491  | 839282  | 10.97% | 0.356% |
| 124 | 9.022 | 8.999 | 9.036 | VV | 57385  | 1079549 | 14.11% | 0.457% |
| 125 | 9.072 | 9.036 | 9.127 | VV | 60549  | 2772760 | 36.25% | 1.175% |
| 126 | 9.157 | 9.127 | 9.185 | VV | 53394  | 1722210 | 22.52% | 0.730% |
| 127 | 9.207 | 9.185 | 9.222 | VV | 52868  | 1107594 | 14.48% | 0.469% |
| 128 | 9.237 | 9.222 | 9.260 | VV | 60452  | 1199007 | 15.68% | 0.508% |
| 129 | 9.278 | 9.260 | 9.293 | VV | 62862  | 1092054 | 14.28% | 0.463% |
| 130 | 9.303 | 9.293 | 9.345 | VV | 54144  | 1519279 | 19.86% | 0.644% |
| 131 | 9.360 | 9.345 | 9.372 | VV | 46919  | 717984  | 9.39%  | 0.304% |
| 132 | 9.392 | 9.372 | 9.412 | VV | 62219  | 1236264 | 16.16% | 0.524% |
| 133 | 9.435 | 9.412 | 9.484 | VV | 55589  | 2129596 | 27.84% | 0.902% |
| 134 | 9.527 | 9.484 | 9.572 | VV | 58753  | 2708352 | 35.41% | 1.147% |
| 135 | 9.596 | 9.572 | 9.610 | VV | 56702  | 1182143 | 15.46% | 0.501% |
| 136 | 9.628 | 9.610 | 9.650 | VV | 68578  | 1379116 | 18.03% | 0.584% |
| 137 | 9.670 | 9.650 | 9.682 | VV | 60518  | 1060246 | 13.86% | 0.449% |
| 138 | 9.696 | 9.682 | 9.726 | VV | 64485  | 1518669 | 19.86% | 0.643% |
| 139 | 9.750 | 9.726 | 9.775 | VV | 56711  | 1565976 | 20.47% | 0.663% |
| 140 | 9.788 | 9.775 | 9.814 | VV | 54992  | 1191836 | 15.58% | 0.505% |
| 141 | 9.828 | 9.814 | 9.870 | VV | 54035  | 1744079 | 22.80% | 0.739% |

| rteres |        |        |        |    |        |         |         |        |
|--------|--------|--------|--------|----|--------|---------|---------|--------|
| 142    | 9.885  | 9.870  | 9.895  | VV | 50182  | 725293  | 9.48%   | 0.307% |
| 143    | 9.949  | 9.895  | 9.989  | VV | 61841  | 3113504 | 40.71%  | 1.319% |
| 144    | 10.022 | 9.989  | 10.039 | VV | 57620  | 1648834 | 21.56%  | 0.699% |
| 145    | 10.052 | 10.039 | 10.069 | VV | 58430  | 1011975 | 13.23%  | 0.429% |
| 146    | 10.093 | 10.069 | 10.149 | VV | 54564  | 2459710 | 32.16%  | 1.042% |
| 147    | 10.189 | 10.149 | 10.216 | VV | 57093  | 2112872 | 27.62%  | 0.895% |
| 148    | 10.228 | 10.216 | 10.255 | VV | 53161  | 1226438 | 16.03%  | 0.520% |
| 149    | 10.273 | 10.255 | 10.294 | VV | 53024  | 1152675 | 15.07%  | 0.488% |
| 150    | 10.314 | 10.294 | 10.332 | VV | 53965  | 1176062 | 15.38%  | 0.498% |
| 151    | 10.348 | 10.332 | 10.357 | VV | 60537  | 840517  | 10.99%  | 0.356% |
| 152    | 10.379 | 10.357 | 10.410 | VV | 109332 | 2403619 | 31.43%  | 1.018% |
| 153    | 10.454 | 10.410 | 10.470 | VV | 67683  | 2105022 | 27.52%  | 0.892% |
| 154    | 10.482 | 10.470 | 10.504 | VV | 63287  | 1195527 | 15.63%  | 0.507% |
| 155    | 10.533 | 10.504 | 10.565 | VV | 77135  | 2298776 | 30.05%  | 0.974% |
| 156    | 10.614 | 10.565 | 10.634 | VV | 63141  | 2378811 | 31.10%  | 1.008% |
| 157    | 10.661 | 10.634 | 10.692 | VV | 65963  | 2135228 | 27.92%  | 0.905% |
| 158    | 10.728 | 10.692 | 10.754 | VV | 65264  | 2269534 | 29.67%  | 0.962% |
| 159    | 10.799 | 10.754 | 10.864 | VV | 175408 | 5510018 | 72.04%  | 2.335% |
| 160    | 10.877 | 10.864 | 10.890 | VV | 59900  | 903188  | 11.81%  | 0.383% |
| 161    | 10.905 | 10.890 | 10.920 | VV | 57680  | 1016018 | 13.28%  | 0.430% |
| 162    | 10.937 | 10.920 | 10.950 | VV | 57805  | 1033542 | 13.51%  | 0.438% |
| 163    | 10.978 | 10.950 | 10.996 | VV | 67145  | 1689814 | 22.09%  | 0.716% |
| 164    | 11.020 | 10.996 | 11.043 | VV | 63799  | 1715518 | 22.43%  | 0.727% |
| 165    | 11.065 | 11.043 | 11.092 | VV | 62788  | 1746531 | 22.83%  | 0.740% |
| 166    | 11.117 | 11.092 | 11.145 | VV | 66426  | 1938660 | 25.35%  | 0.821% |
| 167    | 11.155 | 11.145 | 11.170 | VV | 57671  | 844878  | 11.05%  | 0.358% |
| 168    | 11.184 | 11.170 | 11.192 | VV | 57017  | 735429  | 9.62%   | 0.312% |
| 169    | 11.209 | 11.192 | 11.242 | VV | 60739  | 1734779 | 22.68%  | 0.735% |
| 170    | 11.281 | 11.242 | 11.297 | VV | 59100  | 1915902 | 25.05%  | 0.812% |
| 171    | 11.318 | 11.297 | 11.339 | VV | 64520  | 1507234 | 19.71%  | 0.639% |
| 172    | 11.374 | 11.339 | 11.390 | VV | 63644  | 1879041 | 24.57%  | 0.796% |
| 173    | 11.408 | 11.390 | 11.462 | VV | 65668  | 2611334 | 34.14%  | 1.106% |
| 174    | 11.517 | 11.462 | 11.569 | VV | 134002 | 4718075 | 61.69%  | 1.999% |
| 175    | 11.588 | 11.569 | 11.639 | VV | 57825  | 2340207 | 30.60%  | 0.992% |
| 176    | 11.664 | 11.639 | 11.677 | VV | 59932  | 1322914 | 17.30%  | 0.561% |
| 177    | 11.694 | 11.677 | 11.706 | VV | 61211  | 1016151 | 13.29%  | 0.431% |
| 178    | 11.760 | 11.706 | 11.800 | VV | 480393 | 7648595 | 100.00% | 3.241% |
| 179    | 11.817 | 11.800 | 11.878 | VV | 61022  | 2742219 | 35.85%  | 1.162% |
| 180    | 11.896 | 11.878 | 11.922 | VV | 59679  | 1507892 | 19.71%  | 0.639% |
| 181    | 11.948 | 11.922 | 11.957 | VV | 63071  | 1262394 | 16.50%  | 0.535% |
| 182    | 11.969 | 11.957 | 11.994 | VV | 62705  | 1342975 | 17.56%  | 0.569% |
| 183    | 11.999 | 11.994 | 12.037 | VV | 60244  | 1470358 | 19.22%  | 0.623% |
| 184    | 12.069 | 12.037 | 12.097 | VV | 75067  | 2264147 | 29.60%  | 0.959% |
| 185    | 12.109 | 12.097 | 12.150 | VV | 61232  | 1765343 | 23.08%  | 0.748% |
| 186    | 12.170 | 12.150 | 12.184 | VV | 55136  | 1095296 | 14.32%  | 0.464% |
| 187    | 12.207 | 12.184 | 12.271 | VV | 55379  | 2787000 | 36.44%  | 1.181% |
| 188    | 12.306 | 12.271 | 12.324 | VV | 55329  | 1671034 | 21.85%  | 0.708% |
| 189    | 12.343 | 12.324 | 12.446 | VV | 80553  | 4112984 | 53.77%  | 1.743% |
| 190    | 12.487 | 12.446 | 12.515 | VV | 51302  | 2055883 | 26.88%  | 0.871% |
| 191    | 12.531 | 12.515 | 12.580 | VV | 53382  | 1915596 | 25.05%  | 0.812% |
| 192    | 12.603 | 12.580 | 12.632 | VV | 53955  | 1570672 | 20.54%  | 0.665% |
| 193    | 12.648 | 12.632 | 12.677 | VV | 54397  | 1339247 | 17.51%  | 0.567% |
| 194    | 12.712 | 12.677 | 12.747 | VV | 57915  | 2197393 | 28.73%  | 0.931% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.755 | 12.747 | 12.774 | VV | 51898  | 787060  | 10.29% | 0.333% |
| 196 | 12.784 | 12.774 | 12.809 | VV | 49547  | 987616  | 12.91% | 0.418% |
| 197 | 12.840 | 12.809 | 12.897 | VV | 52707  | 2512427 | 32.85% | 1.064% |
| 198 | 12.905 | 12.897 | 12.922 | VV | 42182  | 618138  | 8.08%  | 0.262% |
| 199 | 12.935 | 12.922 | 12.955 | VV | 42379  | 822196  | 10.75% | 0.348% |
| 200 | 12.973 | 12.955 | 12.984 | VV | 42503  | 722152  | 9.44%  | 0.306% |
| 201 | 13.007 | 12.984 | 13.029 | VV | 43568  | 1125049 | 14.71% | 0.477% |
| 202 | 13.038 | 13.029 | 13.064 | VV | 42576  | 857541  | 11.21% | 0.363% |
| 203 | 13.088 | 13.064 | 13.118 | VV | 42516  | 1311597 | 17.15% | 0.556% |
| 204 | 13.174 | 13.118 | 13.205 | VV | 302058 | 5084850 | 66.48% | 2.154% |
| 205 | 13.221 | 13.205 | 13.251 | VV | 45603  | 1134636 | 14.83% | 0.481% |
| 206 | 13.272 | 13.251 | 13.280 | VV | 39669  | 666800  | 8.72%  | 0.283% |
| 207 | 13.294 | 13.280 | 13.320 | VV | 42691  | 944294  | 12.35% | 0.400% |
| 208 | 13.338 | 13.320 | 13.350 | VV | 37263  | 644985  | 8.43%  | 0.273% |
| 209 | 13.355 | 13.350 | 13.365 | VV | 36561  | 308372  | 4.03%  | 0.131% |
| 210 | 13.390 | 13.365 | 13.439 | VV | 40754  | 1683741 | 22.01% | 0.713% |
| 211 | 13.452 | 13.439 | 13.478 | VV | 37706  | 841927  | 11.01% | 0.357% |
| 212 | 13.516 | 13.478 | 13.536 | VV | 34645  | 1144488 | 14.96% | 0.485% |
| 213 | 13.566 | 13.536 | 13.649 | VV | 45043  | 2353023 | 30.76% | 0.997% |
| 214 | 13.659 | 13.649 | 13.685 | VV | 31252  | 665470  | 8.70%  | 0.282% |
| 215 | 13.700 | 13.685 | 13.719 | VV | 30615  | 605805  | 7.92%  | 0.257% |
| 216 | 13.740 | 13.719 | 13.799 | VV | 31218  | 1410971 | 18.45% | 0.598% |
| 217 | 13.820 | 13.799 | 13.855 | VV | 29909  | 969037  | 12.67% | 0.411% |
| 218 | 13.875 | 13.855 | 13.910 | VV | 28096  | 896009  | 11.71% | 0.380% |
| 219 | 13.917 | 13.910 | 13.934 | VV | 27420  | 368788  | 4.82%  | 0.156% |
| 220 | 13.946 | 13.934 | 13.956 | VV | 26508  | 344661  | 4.51%  | 0.146% |
| 221 | 13.977 | 13.956 | 13.990 | VV | 26966  | 532662  | 6.96%  | 0.226% |
| 222 | 13.997 | 13.990 | 14.035 | VV | 26698  | 663389  | 8.67%  | 0.281% |
| 223 | 14.060 | 14.035 | 14.087 | VV | 24733  | 744481  | 9.73%  | 0.315% |
| 224 | 14.097 | 14.087 | 14.117 | VV | 24042  | 408733  | 5.34%  | 0.173% |
| 225 | 14.151 | 14.117 | 14.200 | VV | 25456  | 1121954 | 14.67% | 0.475% |
| 226 | 14.210 | 14.200 | 14.234 | VV | 22387  | 418234  | 5.47%  | 0.177% |
| 227 | 14.245 | 14.234 | 14.264 | VV | 20196  | 356284  | 4.66%  | 0.151% |
| 228 | 14.278 | 14.264 | 14.292 | VV | 20238  | 339580  | 4.44%  | 0.144% |
| 229 | 14.310 | 14.292 | 14.345 | VV | 20633  | 633346  | 8.28%  | 0.268% |
| 230 | 14.360 | 14.345 | 14.381 | VV | 19587  | 406822  | 5.32%  | 0.172% |
| 231 | 14.403 | 14.381 | 14.419 | VV | 19237  | 424417  | 5.55%  | 0.180% |
| 232 | 14.442 | 14.419 | 14.463 | VV | 19903  | 499099  | 6.53%  | 0.211% |
| 233 | 14.474 | 14.463 | 14.496 | VV | 18380  | 338661  | 4.43%  | 0.143% |
| 234 | 14.512 | 14.496 | 14.529 | VV | 17464  | 327847  | 4.29%  | 0.139% |
| 235 | 14.552 | 14.529 | 14.581 | VV | 17440  | 529826  | 6.93%  | 0.224% |
| 236 | 14.588 | 14.581 | 14.595 | VV | 16246  | 140467  | 1.84%  | 0.060% |
| 237 | 14.607 | 14.595 | 14.679 | VV | 16336  | 751909  | 9.83%  | 0.319% |
| 238 | 14.714 | 14.679 | 14.739 | VV | 15022  | 511127  | 6.68%  | 0.217% |
| 239 | 14.751 | 14.739 | 14.802 | VV | 14408  | 494380  | 6.46%  | 0.209% |
| 240 | 14.825 | 14.802 | 14.841 | VV | 12615  | 278982  | 3.65%  | 0.118% |
| 241 | 14.852 | 14.841 | 14.885 | VV | 12376  | 312063  | 4.08%  | 0.132% |
| 242 | 14.898 | 14.885 | 14.947 | VV | 11490  | 402194  | 5.26%  | 0.170% |
| 243 | 14.965 | 14.947 | 14.977 | VV | 10644  | 187839  | 2.46%  | 0.080% |
| 244 | 15.017 | 14.977 | 15.040 | VV | 13485  | 429335  | 5.61%  | 0.182% |
| 245 | 15.062 | 15.040 | 15.125 | VV | 13180  | 545500  | 7.13%  | 0.231% |
| 246 | 15.133 | 15.125 | 15.159 | VV | 8997   | 176295  | 2.30%  | 0.075% |

|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 247 | 15.170 | 15.159 | 15.194 | VV | 8930   | 180435 | 2.36%  | 0.076% |
| 248 | 15.205 | 15.194 | 15.238 | VV | 8396   | 208213 | 2.72%  | 0.088% |
| 249 | 15.249 | 15.238 | 15.305 | VV | 8013   | 300910 | 3.93%  | 0.127% |
| 250 | 15.326 | 15.305 | 15.337 | VV | 7235   | 134783 | 1.76%  | 0.057% |
|     |        |        |        |    |        |        |        |        |
| 251 | 15.360 | 15.337 | 15.385 | VV | 7252   | 199115 | 2.60%  | 0.084% |
| 252 | 15.438 | 15.385 | 15.510 | VV | 14586  | 679855 | 8.89%  | 0.288% |
| 253 | 15.557 | 15.510 | 15.595 | VV | 45086  | 801473 | 10.48% | 0.340% |
| 254 | 15.619 | 15.595 | 15.662 | VV | 7941   | 213147 | 2.79%  | 0.090% |
| 255 | 15.686 | 15.662 | 15.709 | VV | 5771   | 139562 | 1.82%  | 0.059% |
|     |        |        |        |    |        |        |        |        |
| 256 | 15.729 | 15.709 | 15.760 | VV | 4491   | 127388 | 1.67%  | 0.054% |
| 257 | 15.779 | 15.760 | 15.815 | VV | 4010   | 123204 | 1.61%  | 0.052% |
| 258 | 15.842 | 15.815 | 15.915 | VV | 4393   | 213164 | 2.79%  | 0.090% |
| 259 | 15.925 | 15.915 | 15.950 | VV | 3066   | 62032  | 0.81%  | 0.026% |
| 260 | 15.965 | 15.950 | 15.993 | VV | 3274   | 75611  | 0.99%  | 0.032% |
|     |        |        |        |    |        |        |        |        |
| 261 | 16.029 | 15.993 | 16.060 | VV | 10345  | 197606 | 2.58%  | 0.084% |
| 262 | 16.070 | 16.060 | 16.084 | VV | 2313   | 30511  | 0.40%  | 0.013% |
| 263 | 16.099 | 16.084 | 16.144 | VV | 2364   | 68262  | 0.89%  | 0.029% |
| 264 | 16.154 | 16.144 | 16.173 | VV | 1759   | 27367  | 0.36%  | 0.012% |
| 265 | 16.185 | 16.173 | 16.205 | VV | 1925   | 27773  | 0.36%  | 0.012% |
|     |        |        |        |    |        |        |        |        |
| 266 | 16.214 | 16.205 | 16.245 | VV | 1731   | 34730  | 0.45%  | 0.015% |
| 267 | 16.257 | 16.245 | 16.294 | VV | 1979   | 44525  | 0.58%  | 0.019% |
| 268 | 16.301 | 16.294 | 16.308 | VV | 1349   | 11361  | 0.15%  | 0.005% |
| 269 | 16.338 | 16.308 | 16.357 | VV | 2069   | 49480  | 0.65%  | 0.021% |
| 270 | 16.376 | 16.357 | 16.419 | VV | 1781   | 51688  | 0.68%  | 0.022% |
|     |        |        |        |    |        |        |        |        |
| 271 | 16.466 | 16.419 | 16.485 | VV | 3665   | 104015 | 1.36%  | 0.044% |
| 272 | 16.510 | 16.485 | 16.550 | VV | 16524  | 243658 | 3.19%  | 0.103% |
| 273 | 16.578 | 16.550 | 16.640 | VV | 3513   | 111241 | 1.45%  | 0.047% |
| 274 | 16.650 | 16.640 | 16.684 | VV | 1078   | 20802  | 0.27%  | 0.009% |
| 275 | 16.692 | 16.684 | 16.699 | VV | 629    | 5361   | 0.07%  | 0.002% |
|     |        |        |        |    |        |        |        |        |
| 276 | 16.711 | 16.699 | 16.735 | VV | 739    | 14443  | 0.19%  | 0.006% |
| 277 | 16.742 | 16.735 | 16.765 | VV | 805    | 10336  | 0.14%  | 0.004% |
| 278 | 16.790 | 16.765 | 16.799 | VV | 576    | 8623   | 0.11%  | 0.004% |
| 279 | 16.826 | 16.799 | 16.840 | VV | 784    | 14300  | 0.19%  | 0.006% |
| 280 | 16.858 | 16.840 | 16.878 | VV | 789    | 11876  | 0.16%  | 0.005% |
|     |        |        |        |    |        |        |        |        |
| 281 | 16.902 | 16.878 | 16.929 | VV | 1648   | 31601  | 0.41%  | 0.013% |
| 282 | 16.974 | 16.929 | 17.008 | VV | 25571  | 360907 | 4.72%  | 0.153% |
| 283 | 17.017 | 17.008 | 17.035 | VV | 1272   | 17129  | 0.22%  | 0.007% |
| 284 | 17.056 | 17.035 | 17.109 | VV | 1702   | 40505  | 0.53%  | 0.017% |
| 285 | 17.117 | 17.109 | 17.131 | VV | 461    | 4618   | 0.06%  | 0.002% |
|     |        |        |        |    |        |        |        |        |
| 286 | 17.148 | 17.131 | 17.157 | VV | 363    | 4606   | 0.06%  | 0.002% |
| 287 | 17.183 | 17.157 | 17.193 | VV | 604    | 9907   | 0.13%  | 0.004% |
| 288 | 17.204 | 17.193 | 17.220 | VV | 654    | 8060   | 0.11%  | 0.003% |
| 289 | 17.237 | 17.220 | 17.259 | VV | 627    | 13751  | 0.18%  | 0.006% |
| 290 | 17.268 | 17.259 | 17.290 | VV | 831    | 8294   | 0.11%  | 0.004% |
|     |        |        |        |    |        |        |        |        |
| 291 | 17.308 | 17.290 | 17.324 | PV | 736    | 9606   | 0.13%  | 0.004% |
| 292 | 17.335 | 17.324 | 17.347 | VV | 567    | 6827   | 0.09%  | 0.003% |
| 293 | 17.357 | 17.347 | 17.372 | VV | 578    | 7663   | 0.10%  | 0.003% |
| 294 | 17.423 | 17.372 | 17.480 | VV | 32391  | 442016 | 5.78%  | 0.187% |
| 295 | 17.507 | 17.480 | 17.539 | VV | 660    | 14451  | 0.19%  | 0.006% |
|     |        |        |        |    |        |        |        |        |
| 296 | 17.563 | 17.539 | 17.574 | PV | 519    | 6671   | 0.09%  | 0.003% |
| 297 | 17.600 | 17.574 | 17.619 | VV | 608    | 14658  | 0.19%  | 0.006% |
| 298 | 17.629 | 17.619 | 17.675 | VV | 634    | 13364  | 0.17%  | 0.006% |
| 299 | 17.704 | 17.675 | 17.727 | VV | 926    | 14531  | 0.19%  | 0.006% |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 300 | 17.748 | 17.727 | 17.786 | VV | 504    | 7974   | 0.10% | 0.003% |
| 301 | 17.810 | 17.786 | 17.821 | PV | 858    | 11820  | 0.15% | 0.005% |
| 302 | 17.857 | 17.821 | 17.891 | VV | 29023  | 392207 | 5.13% | 0.166% |
| 303 | 17.905 | 17.891 | 17.919 | VV | 253    | 4010   | 0.05% | 0.002% |
| 304 | 17.950 | 17.919 | 17.982 | VV | 1796   | 28022  | 0.37% | 0.012% |
| 305 | 17.999 | 17.982 | 18.009 | VV | 221    | 2509   | 0.03% | 0.001% |
| 306 | 18.030 | 18.009 | 18.047 | VV | 682    | 9026   | 0.12% | 0.004% |
| 307 | 18.058 | 18.047 | 18.082 | VV | 497    | 6012   | 0.08% | 0.003% |
| 308 | 18.123 | 18.082 | 18.154 | VV | 1431   | 27082  | 0.35% | 0.011% |
| 309 | 18.202 | 18.154 | 18.221 | VV | 1329   | 28289  | 0.37% | 0.012% |
| 310 | 18.277 | 18.221 | 18.334 | VV | 26866  | 430565 | 5.63% | 0.182% |
| 311 | 18.358 | 18.334 | 18.387 | VV | 1565   | 36776  | 0.48% | 0.016% |
| 312 | 18.394 | 18.387 | 18.454 | VV | 1160   | 19449  | 0.25% | 0.008% |
| 313 | 18.492 | 18.454 | 18.501 | VV | 539    | 7887   | 0.10% | 0.003% |
| 314 | 18.540 | 18.501 | 18.562 | VV | 1567   | 29450  | 0.39% | 0.012% |
| 315 | 18.591 | 18.562 | 18.642 | VV | 1379   | 39348  | 0.51% | 0.017% |
| 316 | 18.684 | 18.642 | 18.719 | VV | 16932  | 255661 | 3.34% | 0.108% |
| 317 | 18.728 | 18.719 | 18.737 | VV | 608    | 5828   | 0.08% | 0.002% |
| 318 | 18.787 | 18.737 | 18.809 | VV | 1954   | 42906  | 0.56% | 0.018% |
| 319 | 18.819 | 18.809 | 18.842 | VV | 973    | 15263  | 0.20% | 0.006% |
| 320 | 18.870 | 18.842 | 18.907 | VV | 1198   | 36027  | 0.47% | 0.015% |
| 321 | 18.941 | 18.907 | 18.965 | VV | 1306   | 34982  | 0.46% | 0.015% |
| 322 | 18.986 | 18.965 | 19.004 | VV | 1354   | 24657  | 0.32% | 0.010% |
| 323 | 19.032 | 19.004 | 19.047 | VV | 1333   | 29040  | 0.38% | 0.012% |
| 324 | 19.082 | 19.047 | 19.163 | VV | 8477   | 259180 | 3.39% | 0.110% |
| 325 | 19.237 | 19.163 | 19.302 | VV | 2810   | 199027 | 2.60% | 0.084% |
| 326 | 19.307 | 19.302 | 19.318 | VV | 2121   | 19215  | 0.25% | 0.008% |
| 327 | 19.333 | 19.318 | 19.348 | VV | 1952   | 33083  | 0.43% | 0.014% |
| 328 | 19.374 | 19.348 | 19.392 | VV | 2178   | 53427  | 0.70% | 0.023% |
| 329 | 19.405 | 19.392 | 19.423 | VV | 2128   | 39078  | 0.51% | 0.017% |
| 330 | 19.464 | 19.423 | 19.497 | VV | 5610   | 142200 | 1.86% | 0.060% |
| 331 | 19.558 | 19.497 | 19.595 | VV | 4263   | 178825 | 2.34% | 0.076% |
| 332 | 19.615 | 19.595 | 19.635 | VV | 3135   | 69649  | 0.91% | 0.030% |
| 333 | 19.674 | 19.635 | 19.697 | VV | 3718   | 118714 | 1.55% | 0.050% |
| 334 | 19.739 | 19.697 | 19.770 | VV | 4835   | 177860 | 2.33% | 0.075% |
| 335 | 19.783 | 19.770 | 19.810 | VV | 4256   | 96902  | 1.27% | 0.041% |
| 336 | 19.844 | 19.810 | 19.899 | VV | 6297   | 271140 | 3.54% | 0.115% |
| 337 | 19.976 | 19.899 | 19.985 | VV | 5076   | 248042 | 3.24% | 0.105% |
| 338 | 20.020 | 19.985 | 20.029 | VV | 5437   | 138029 | 1.80% | 0.058% |
| 339 | 20.037 | 20.029 | 20.045 | VV | 5437   | 50306  | 0.66% | 0.021% |
| 340 | 20.100 | 20.045 | 20.139 | VV | 6583   | 332746 | 4.35% | 0.141% |
| 341 | 20.221 | 20.139 | 20.265 | VV | 8225   | 535156 | 7.00% | 0.227% |
| 342 | 20.312 | 20.265 | 20.320 | VV | 7355   | 239340 | 3.13% | 0.101% |
| 343 | 20.339 | 20.320 | 20.350 | VV | 7581   | 130837 | 1.71% | 0.055% |
| 344 | 20.377 | 20.350 | 20.399 | VV | 8259   | 228254 | 2.98% | 0.097% |
| 345 | 20.454 | 20.399 | 20.472 | VV | 8226   | 346175 | 4.53% | 0.147% |
| 346 | 20.486 | 20.472 | 20.500 | VV | 8383   | 139658 | 1.83% | 0.059% |
| 347 | 20.509 | 20.500 | 20.535 | VV | 8240   | 170212 | 2.23% | 0.072% |
| 348 | 20.560 | 20.535 | 20.674 | VV | 8566   | 620701 | 8.12% | 0.263% |
| 349 | 20.709 | 20.674 | 20.752 | VV | 8784   | 366591 | 4.79% | 0.155% |
| 350 | 20.781 | 20.752 | 20.800 | VV | 7290   | 206225 | 2.70% | 0.087% |
| 351 | 20.813 | 20.800 | 20.934 | VV | 7215   | 517314 | 6.76% | 0.219% |

|     |        |        |        |    |      |                         |           |        |
|-----|--------|--------|--------|----|------|-------------------------|-----------|--------|
|     |        |        |        |    |      | rteres                  |           |        |
| 352 | 20.966 | 20.934 | 21.009 | VV | 6047 | 254761                  | 3.33%     | 0.108% |
| 353 | 21.031 | 21.009 | 21.053 | VV | 5361 | 138116                  | 1.81%     | 0.059% |
| 354 | 21.066 | 21.053 | 21.085 | VV | 5263 | 99627                   | 1.30%     | 0.042% |
| 355 | 21.101 | 21.085 | 21.162 | VV | 5290 | 228670                  | 2.99%     | 0.097% |
| 356 | 21.171 | 21.162 | 21.227 | VV | 4709 | 165625                  | 2.17%     | 0.070% |
| 357 | 21.269 | 21.227 | 21.329 | VV | 5329 | 255641                  | 3.34%     | 0.108% |
| 358 | 21.331 | 21.329 | 21.340 | VV | 3418 | 22415                   | 0.29%     | 0.009% |
| 359 | 21.364 | 21.340 | 21.382 | VV | 3540 | 85867                   | 1.12%     | 0.036% |
| 360 | 21.412 | 21.382 | 21.487 | VV | 3961 | 211371                  | 2.76%     | 0.090% |
| 361 | 21.506 | 21.487 | 21.548 | VV | 2949 | 100020                  | 1.31%     | 0.042% |
| 362 | 21.554 | 21.548 | 21.589 | VV | 2635 | 57666                   | 0.75%     | 0.024% |
| 363 | 21.597 | 21.589 | 21.619 | VV | 2108 | 35315                   | 0.46%     | 0.015% |
| 364 | 21.648 | 21.619 | 21.665 | VV | 1945 | 50465                   | 0.66%     | 0.021% |
| 365 | 21.700 | 21.665 | 21.715 | VV | 2016 | 55600                   | 0.73%     | 0.024% |
| 366 | 21.770 | 21.715 | 21.785 | VV | 1965 | 76345                   | 1.00%     | 0.032% |
| 367 | 21.813 | 21.785 | 21.862 | VV | 1806 | 74846                   | 0.98%     | 0.032% |
| 368 | 21.916 | 21.862 | 22.043 | VV | 2853 | 130994                  | 1.71%     | 0.056% |
|     |        |        |        |    |      | Sum of corrected areas: | 236023696 |        |

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