

rteres

## Area Percent Report

Data Path : \\TERASTORAGE\Terastorage\pestpcbsrv\HPCHEM1\FID\_E\Data\FE080224AL\  
 Data File : FE049403.D  
 Signal(s) : FID1B.ch  
 Acq On : 02 Aug 2024 18:15  
 Sample : P3442-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
 Title : GC Extractables

Signal : FID1B.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         | 3.144       | 3.104        | 3.192      | BV       | 236            | 2260         | 0.01%          | 0.000%        |
| 2         | 3.206       | 3.192        | 3.231      | VV       | 190            | 2133         | 0.01%          | 0.000%        |
| 3         | 3.248       | 3.231        | 3.257      | PV       | 137            | 1520         | 0.01%          | 0.000%        |
| 4         | 3.297       | 3.257        | 3.379      | VV       | 952            | 24552        | 0.11%          | 0.003%        |
| 5         | 3.427       | 3.379        | 3.442      | PV       | 642            | 10411        | 0.05%          | 0.001%        |
| 6         | 3.455       | 3.442        | 3.476      | VV       | 522            | 6033         | 0.03%          | 0.001%        |
| 7         | 3.500       | 3.476        | 3.514      | VV       | 448            | 7057         | 0.03%          | 0.001%        |
| 8         | 3.525       | 3.514        | 3.558      | VV       | 553            | 8074         | 0.04%          | 0.001%        |
| 9         | 3.566       | 3.558        | 3.578      | VV       | 298            | 2962         | 0.01%          | 0.000%        |
| 10        | 3.598       | 3.578        | 3.635      | VV       | 1140           | 18669        | 0.09%          | 0.002%        |
| 11        | 3.677       | 3.635        | 3.709      | VV       | 501            | 12502        | 0.06%          | 0.001%        |
| 12        | 3.730       | 3.709        | 3.780      | VV       | 1766           | 33901        | 0.16%          | 0.004%        |
| 13        | 3.812       | 3.780        | 3.845      | VV       | 1119           | 22609        | 0.10%          | 0.003%        |
| 14        | 3.869       | 3.845        | 3.904      | VV       | 1446           | 24123        | 0.11%          | 0.003%        |
| 15        | 3.917       | 3.904        | 3.942      | VV       | 1475           | 14548        | 0.07%          | 0.002%        |
| 16        | 3.973       | 3.942        | 3.991      | PV       | 1357           | 21769        | 0.10%          | 0.003%        |
| 17        | 4.001       | 3.991        | 4.029      | VV       | 987            | 14010        | 0.06%          | 0.002%        |
| 18        | 4.075       | 4.029        | 4.090      | VV       | 1792           | 28012        | 0.13%          | 0.003%        |
| 19        | 4.108       | 4.090        | 4.127      | VV       | 1484           | 21189        | 0.10%          | 0.003%        |
| 20        | 4.144       | 4.127        | 4.161      | VV       | 1119           | 17228        | 0.08%          | 0.002%        |
| 21        | 4.183       | 4.161        | 4.214      | VV       | 1659           | 26796        | 0.12%          | 0.003%        |
| 22        | 4.225       | 4.214        | 4.233      | VV       | 358            | 3481         | 0.02%          | 0.000%        |
| 23        | 4.261       | 4.233        | 4.290      | VV       | 2155           | 42171        | 0.19%          | 0.005%        |
| 24        | 4.307       | 4.290        | 4.332      | VV       | 1862           | 29064        | 0.13%          | 0.003%        |
| 25        | 4.347       | 4.332        | 4.388      | VV       | 961            | 17234        | 0.08%          | 0.002%        |
| 26        | 4.429       | 4.388        | 4.455      | PV       | 1304           | 22682        | 0.10%          | 0.003%        |
| 27        | 4.476       | 4.455        | 4.502      | VV       | 1128           | 19910        | 0.09%          | 0.002%        |
| 28        | 4.536       | 4.502        | 4.558      | VV       | 4204           | 55385        | 0.25%          | 0.007%        |
| 29        | 4.572       | 4.558        | 4.588      | VV       | 1025           | 12629        | 0.06%          | 0.001%        |
| 30        | 4.608       | 4.588        | 4.636      | VV       | 1287           | 22174        | 0.10%          | 0.003%        |
| 31        | 4.646       | 4.636        | 4.673      | VV       | 341            | 5887         | 0.03%          | 0.001%        |
| 32        | 4.711       | 4.673        | 4.730      | VV       | 1275           | 26420        | 0.12%          | 0.003%        |
| 33        | 4.747       | 4.730        | 4.774      | VV       | 1904           | 35690        | 0.16%          | 0.004%        |
| 34        | 4.785       | 4.774        | 4.801      | VV       | 1411           | 16775        | 0.08%          | 0.002%        |
| 35        | 4.819       | 4.801        | 4.834      | VV       | 4189           | 46218        | 0.21%          | 0.005%        |
| 36        | 4.843       | 4.834        | 4.859      | VV       | 2286           | 24006        | 0.11%          | 0.003%        |

|    |       |       |       |    | rteres |        |       |        |
|----|-------|-------|-------|----|--------|--------|-------|--------|
| 37 | 4.878 | 4.859 | 4.888 | VV | 1692   | 23579  | 0.11% | 0.003% |
| 38 | 4.896 | 4.888 | 4.915 | VV | 1606   | 18522  | 0.08% | 0.002% |
| 39 | 4.949 | 4.915 | 4.963 | VV | 1702   | 34494  | 0.16% | 0.004% |
| 40 | 4.977 | 4.963 | 4.987 | VV | 2120   | 24492  | 0.11% | 0.003% |
|    |       |       |       |    |        |        |       |        |
| 41 | 4.997 | 4.987 | 5.018 | VV | 2157   | 27929  | 0.13% | 0.003% |
| 42 | 5.046 | 5.018 | 5.084 | VV | 4702   | 71081  | 0.33% | 0.008% |
| 43 | 5.115 | 5.084 | 5.133 | VV | 1302   | 23932  | 0.11% | 0.003% |
| 44 | 5.150 | 5.133 | 5.172 | VV | 1328   | 16890  | 0.08% | 0.002% |
| 45 | 5.213 | 5.172 | 5.227 | VV | 2556   | 35681  | 0.16% | 0.004% |
|    |       |       |       |    |        |        |       |        |
| 46 | 5.243 | 5.227 | 5.267 | VV | 2909   | 39528  | 0.18% | 0.005% |
| 47 | 5.288 | 5.267 | 5.302 | VV | 3456   | 39296  | 0.18% | 0.005% |
| 48 | 5.316 | 5.302 | 5.333 | VV | 2999   | 39844  | 0.18% | 0.005% |
| 49 | 5.354 | 5.333 | 5.392 | VV | 3233   | 55905  | 0.26% | 0.007% |
| 50 | 5.419 | 5.392 | 5.432 | PV | 856    | 13523  | 0.06% | 0.002% |
|    |       |       |       |    |        |        |       |        |
| 51 | 5.454 | 5.432 | 5.468 | VV | 2225   | 28001  | 0.13% | 0.003% |
| 52 | 5.482 | 5.468 | 5.502 | VV | 1649   | 29529  | 0.14% | 0.003% |
| 53 | 5.541 | 5.502 | 5.565 | VV | 3618   | 85789  | 0.39% | 0.010% |
| 54 | 5.579 | 5.565 | 5.602 | VV | 1809   | 31355  | 0.14% | 0.004% |
| 55 | 5.612 | 5.602 | 5.629 | VV | 1325   | 16199  | 0.07% | 0.002% |
|    |       |       |       |    |        |        |       |        |
| 56 | 5.641 | 5.629 | 5.654 | VV | 820    | 7834   | 0.04% | 0.001% |
| 57 | 5.674 | 5.654 | 5.705 | VV | 12464  | 178667 | 0.82% | 0.021% |
| 58 | 5.720 | 5.705 | 5.737 | VV | 2844   | 36624  | 0.17% | 0.004% |
| 59 | 5.747 | 5.737 | 5.778 | VV | 1324   | 21556  | 0.10% | 0.003% |
| 60 | 5.796 | 5.778 | 5.814 | VV | 1135   | 18281  | 0.08% | 0.002% |
|    |       |       |       |    |        |        |       |        |
| 61 | 5.826 | 5.814 | 5.833 | VV | 840    | 8130   | 0.04% | 0.001% |
| 62 | 5.856 | 5.833 | 5.893 | VV | 7205   | 117930 | 0.54% | 0.014% |
| 63 | 5.902 | 5.893 | 5.910 | VV | 1088   | 10515  | 0.05% | 0.001% |
| 64 | 5.937 | 5.910 | 5.951 | VV | 2007   | 30736  | 0.14% | 0.004% |
| 65 | 5.980 | 5.951 | 6.012 | VV | 4723   | 94654  | 0.43% | 0.011% |
|    |       |       |       |    |        |        |       |        |
| 66 | 6.040 | 6.012 | 6.050 | VV | 1548   | 29155  | 0.13% | 0.003% |
| 67 | 6.061 | 6.050 | 6.074 | VV | 1868   | 20933  | 0.10% | 0.002% |
| 68 | 6.086 | 6.074 | 6.094 | VV | 1465   | 14885  | 0.07% | 0.002% |
| 69 | 6.104 | 6.094 | 6.129 | VV | 1624   | 18156  | 0.08% | 0.002% |
| 70 | 6.152 | 6.129 | 6.170 | VV | 2708   | 29013  | 0.13% | 0.003% |
|    |       |       |       |    |        |        |       |        |
| 71 | 6.203 | 6.170 | 6.225 | VV | 4208   | 63195  | 0.29% | 0.007% |
| 72 | 6.253 | 6.225 | 6.281 | VV | 3655   | 80169  | 0.37% | 0.009% |
| 73 | 6.301 | 6.281 | 6.322 | VV | 3318   | 51102  | 0.23% | 0.006% |
| 74 | 6.347 | 6.322 | 6.370 | VV | 4652   | 64722  | 0.30% | 0.008% |
| 75 | 6.391 | 6.370 | 6.401 | VV | 3118   | 39870  | 0.18% | 0.005% |
|    |       |       |       |    |        |        |       |        |
| 76 | 6.413 | 6.401 | 6.458 | VV | 3933   | 87206  | 0.40% | 0.010% |
| 77 | 6.495 | 6.458 | 6.511 | VV | 3007   | 65018  | 0.30% | 0.008% |
| 78 | 6.528 | 6.511 | 6.555 | VV | 2838   | 51814  | 0.24% | 0.006% |
| 79 | 6.576 | 6.555 | 6.598 | VV | 2997   | 53623  | 0.25% | 0.006% |
| 80 | 6.624 | 6.598 | 6.635 | VV | 3151   | 56043  | 0.26% | 0.007% |
|    |       |       |       |    |        |        |       |        |
| 81 | 6.646 | 6.635 | 6.683 | VV | 3398   | 68241  | 0.31% | 0.008% |
| 82 | 6.704 | 6.683 | 6.757 | VV | 11261  | 162865 | 0.75% | 0.019% |
| 83 | 6.790 | 6.757 | 6.810 | VV | 2789   | 52514  | 0.24% | 0.006% |
| 84 | 6.856 | 6.810 | 6.880 | VV | 12035  | 225790 | 1.03% | 0.027% |
| 85 | 6.893 | 6.880 | 6.918 | VV | 4742   | 72441  | 0.33% | 0.009% |
|    |       |       |       |    |        |        |       |        |
| 86 | 6.930 | 6.918 | 6.943 | VV | 1978   | 21828  | 0.10% | 0.003% |
| 87 | 6.965 | 6.943 | 6.976 | VV | 2150   | 33504  | 0.15% | 0.004% |
| 88 | 6.988 | 6.976 | 7.005 | VV | 2632   | 33128  | 0.15% | 0.004% |
| 89 | 7.031 | 7.005 | 7.056 | VV | 5138   | 85019  | 0.39% | 0.010% |

|     |       |       |       |    |        |        |       |        |
|-----|-------|-------|-------|----|--------|--------|-------|--------|
|     |       |       |       |    | rteres |        |       |        |
| 90  | 7.067 | 7.056 | 7.082 | VV | 2295   | 25440  | 0.12% | 0.003% |
| 91  | 7.110 | 7.082 | 7.144 | VV | 4186   | 81690  | 0.37% | 0.010% |
| 92  | 7.171 | 7.144 | 7.189 | VV | 2927   | 57003  | 0.26% | 0.007% |
| 93  | 7.216 | 7.189 | 7.223 | VV | 4383   | 68523  | 0.31% | 0.008% |
| 94  | 7.236 | 7.223 | 7.256 | VV | 5365   | 77793  | 0.36% | 0.009% |
| 95  | 7.276 | 7.256 | 7.304 | VV | 6975   | 105783 | 0.48% | 0.013% |
| 96  | 7.341 | 7.304 | 7.365 | VV | 5748   | 131895 | 0.60% | 0.016% |
| 97  | 7.381 | 7.365 | 7.401 | VV | 4554   | 68397  | 0.31% | 0.008% |
| 98  | 7.424 | 7.401 | 7.461 | VV | 12907  | 206399 | 0.95% | 0.024% |
| 99  | 7.480 | 7.461 | 7.504 | VV | 6264   | 98276  | 0.45% | 0.012% |
| 100 | 7.524 | 7.504 | 7.541 | VV | 5035   | 71797  | 0.33% | 0.008% |
| 101 | 7.552 | 7.541 | 7.580 | VV | 2932   | 53560  | 0.25% | 0.006% |
| 102 | 7.651 | 7.580 | 7.677 | VV | 8627   | 234421 | 1.07% | 0.028% |
| 103 | 7.701 | 7.677 | 7.724 | VV | 3302   | 77912  | 0.36% | 0.009% |
| 104 | 7.736 | 7.724 | 7.757 | VV | 3268   | 52327  | 0.24% | 0.006% |
| 105 | 7.780 | 7.757 | 7.798 | VV | 3115   | 63508  | 0.29% | 0.008% |
| 106 | 7.827 | 7.798 | 7.859 | VV | 8128   | 154943 | 0.71% | 0.018% |
| 107 | 7.877 | 7.859 | 7.895 | VV | 2924   | 46263  | 0.21% | 0.005% |
| 108 | 8.083 | 8.056 | 8.099 | VV | 8232   | 148920 | 0.68% | 0.018% |
| 109 | 8.111 | 8.099 | 8.123 | VV | 6005   | 77842  | 0.36% | 0.009% |
| 110 | 8.133 | 8.123 | 8.154 | VV | 6107   | 90736  | 0.42% | 0.011% |
| 111 | 8.178 | 8.154 | 8.197 | VV | 5976   | 112961 | 0.52% | 0.013% |
| 112 | 8.229 | 8.197 | 8.245 | VV | 5960   | 141144 | 0.65% | 0.017% |
| 113 | 8.264 | 8.245 | 8.305 | VV | 8152   | 209553 | 0.96% | 0.025% |
| 114 | 8.350 | 8.305 | 8.385 | VV | 16390  | 336936 | 1.54% | 0.040% |
| 115 | 8.404 | 8.385 | 8.422 | VV | 5731   | 107728 | 0.49% | 0.013% |
| 116 | 8.457 | 8.422 | 8.472 | VV | 10566  | 204613 | 0.94% | 0.024% |
| 117 | 8.485 | 8.472 | 8.501 | VV | 8638   | 123804 | 0.57% | 0.015% |
| 118 | 8.530 | 8.501 | 8.558 | VV | 15560  | 307212 | 1.41% | 0.036% |
| 119 | 8.576 | 8.558 | 8.594 | VV | 6291   | 112482 | 0.52% | 0.013% |
| 120 | 8.629 | 8.594 | 8.664 | VV | 7323   | 242203 | 1.11% | 0.029% |
| 121 | 8.690 | 8.664 | 8.724 | VV | 14883  | 272069 | 1.25% | 0.032% |
| 122 | 8.750 | 8.724 | 8.767 | VV | 6222   | 129638 | 0.59% | 0.015% |
| 123 | 8.781 | 8.767 | 8.796 | VV | 5353   | 79123  | 0.36% | 0.009% |
| 124 | 8.940 | 8.909 | 8.967 | VV | 12084  | 342866 | 1.57% | 0.041% |
| 125 | 8.987 | 8.967 | 9.009 | VV | 14468  | 242147 | 1.11% | 0.029% |
| 126 | 9.026 | 9.009 | 9.038 | VV | 8337   | 127864 | 0.59% | 0.015% |
| 127 | 9.071 | 9.038 | 9.096 | VV | 16134  | 344940 | 1.58% | 0.041% |
| 128 | 9.124 | 9.096 | 9.138 | VV | 6528   | 140315 | 0.64% | 0.017% |
| 129 | 9.149 | 9.138 | 9.165 | VV | 6011   | 86365  | 0.40% | 0.010% |
| 130 | 9.184 | 9.165 | 9.202 | VV | 8274   | 140701 | 0.64% | 0.017% |
| 131 | 9.218 | 9.202 | 9.239 | VV | 8360   | 139000 | 0.64% | 0.016% |
| 132 | 9.276 | 9.239 | 9.289 | VV | 6211   | 166456 | 0.76% | 0.020% |
| 133 | 9.301 | 9.289 | 9.316 | VV | 6272   | 94912  | 0.44% | 0.011% |
| 134 | 9.357 | 9.316 | 9.378 | VV | 20034  | 350684 | 1.61% | 0.041% |
| 135 | 9.394 | 9.378 | 9.430 | VV | 10049  | 211547 | 0.97% | 0.025% |
| 136 | 9.443 | 9.430 | 9.468 | VV | 4920   | 88451  | 0.41% | 0.010% |
| 137 | 9.510 | 9.468 | 9.529 | VV | 6530   | 147861 | 0.68% | 0.017% |
| 138 | 9.542 | 9.529 | 9.575 | VV | 4032   | 90685  | 0.42% | 0.011% |
| 139 | 9.592 | 9.575 | 9.608 | VV | 3375   | 59357  | 0.27% | 0.007% |
| 140 | 9.646 | 9.608 | 9.676 | VV | 5968   | 159152 | 0.73% | 0.019% |
| 141 | 9.692 | 9.676 | 9.707 | VV | 3346   | 52027  | 0.24% | 0.006% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.732  | 9.707  | 9.785  | VV | 10787  | 259581  | 1.19%  | 0.031% |
| 143    | 9.809  | 9.785  | 9.843  | VV | 7761   | 170408  | 0.78%  | 0.020% |
| 144    | 9.914  | 9.843  | 9.953  | VV | 4688   | 219609  | 1.01%  | 0.026% |
| 145    | 9.972  | 9.953  | 9.998  | VV | 2136   | 48206   | 0.22%  | 0.006% |
| 146    | 10.009 | 9.998  | 10.030 | VV | 1461   | 25158   | 0.12%  | 0.003% |
| 147    | 10.055 | 10.030 | 10.069 | VV | 3501   | 57218   | 0.26%  | 0.007% |
| 148    | 10.090 | 10.069 | 10.117 | VV | 3609   | 88365   | 0.41%  | 0.010% |
| 149    | 10.138 | 10.117 | 10.204 | VV | 15089  | 241074  | 1.10%  | 0.029% |
| 150    | 10.217 | 10.204 | 10.229 | VV | 1662   | 23477   | 0.11%  | 0.003% |
| 151    | 10.244 | 10.229 | 10.283 | VV | 2122   | 39869   | 0.18%  | 0.005% |
| 152    | 10.312 | 10.283 | 10.359 | VV | 1796   | 40444   | 0.19%  | 0.005% |
| 153    | 10.373 | 10.359 | 10.394 | VV | 757    | 11629   | 0.05%  | 0.001% |
| 154    | 10.412 | 10.394 | 10.429 | VV | 936    | 12635   | 0.06%  | 0.001% |
| 155    | 10.443 | 10.429 | 10.450 | VV | 619    | 6423    | 0.03%  | 0.001% |
| 156    | 10.479 | 10.450 | 10.500 | VV | 2717   | 45668   | 0.21%  | 0.005% |
| 157    | 10.527 | 10.500 | 10.553 | VV | 7680   | 113851  | 0.52%  | 0.013% |
| 158    | 10.581 | 10.553 | 10.596 | VV | 3227   | 56191   | 0.26%  | 0.007% |
| 159    | 10.612 | 10.596 | 10.637 | VV | 3775   | 59896   | 0.27%  | 0.007% |
| 160    | 10.671 | 10.637 | 10.697 | VV | 3401   | 66919   | 0.31%  | 0.008% |
| 161    | 10.728 | 10.697 | 10.768 | PV | 2133   | 52275   | 0.24%  | 0.006% |
| 162    | 10.795 | 10.768 | 10.821 | VV | 2644   | 65676   | 0.30%  | 0.008% |
| 163    | 10.831 | 10.821 | 10.844 | VV | 1574   | 18211   | 0.08%  | 0.002% |
| 164    | 10.877 | 10.844 | 10.917 | VV | 10250  | 165585  | 0.76%  | 0.020% |
| 165    | 10.948 | 10.917 | 11.050 | VV | 8766   | 190114  | 0.87%  | 0.022% |
| 166    | 11.100 | 11.050 | 11.110 | PV | 1345   | 24886   | 0.11%  | 0.003% |
| 167    | 11.136 | 11.110 | 11.180 | VV | 18353  | 255000  | 1.17%  | 0.030% |
| 168    | 11.213 | 11.180 | 11.241 | VV | 5867   | 103694  | 0.48%  | 0.012% |
| 169    | 11.269 | 11.241 | 11.308 | VV | 2457   | 57097   | 0.26%  | 0.007% |
| 170    | 11.328 | 11.308 | 11.371 | VV | 1075   | 27686   | 0.13%  | 0.003% |
| 171    | 11.384 | 11.371 | 11.417 | VV | 923    | 12313   | 0.06%  | 0.001% |
| 172    | 11.443 | 11.417 | 11.471 | PV | 1812   | 29577   | 0.14%  | 0.003% |
| 173    | 11.511 | 11.471 | 11.555 | VV | 1567   | 57706   | 0.26%  | 0.007% |
| 174    | 11.580 | 11.555 | 11.640 | VV | 8502   | 132326  | 0.61%  | 0.016% |
| 175    | 11.666 | 11.640 | 11.701 | VV | 6429   | 107465  | 0.49%  | 0.013% |
| 176    | 11.732 | 11.701 | 11.754 | VV | 1139   | 20058   | 0.09%  | 0.002% |
| 177    | 11.790 | 11.754 | 11.817 | PV | 2410   | 43143   | 0.20%  | 0.005% |
| 178    | 11.838 | 11.817 | 11.854 | VV | 1009   | 18735   | 0.09%  | 0.002% |
| 179    | 11.900 | 11.854 | 11.928 | VV | 324786 | 3492243 | 16.01% | 0.413% |
| 180    | 11.938 | 11.928 | 11.955 | VV | 5670   | 74481   | 0.34%  | 0.009% |
| 181    | 11.972 | 11.955 | 12.002 | VV | 6175   | 91520   | 0.42%  | 0.011% |
| 182    | 12.054 | 12.002 | 12.071 | VV | 5757   | 107890  | 0.49%  | 0.013% |
| 183    | 12.087 | 12.071 | 12.104 | VV | 5322   | 71411   | 0.33%  | 0.008% |
| 184    | 12.120 | 12.104 | 12.166 | VV | 4309   | 66362   | 0.30%  | 0.008% |
| 185    | 12.188 | 12.166 | 12.208 | PV | 1135   | 15135   | 0.07%  | 0.002% |
| 186    | 12.249 | 12.208 | 12.286 | VV | 7325   | 137570  | 0.63%  | 0.016% |
| 187    | 12.302 | 12.286 | 12.323 | VV | 2462   | 34324   | 0.16%  | 0.004% |
| 188    | 12.343 | 12.323 | 12.364 | VV | 2533   | 36207   | 0.17%  | 0.004% |
| 189    | 12.378 | 12.364 | 12.391 | VV | 684    | 9452    | 0.04%  | 0.001% |
| 190    | 12.410 | 12.391 | 12.423 | VV | 1071   | 12200   | 0.06%  | 0.001% |
| 191    | 12.441 | 12.423 | 12.455 | VV | 1984   | 23081   | 0.11%  | 0.003% |
| 192    | 12.476 | 12.455 | 12.483 | VV | 4096   | 47001   | 0.22%  | 0.006% |
| 193    | 12.498 | 12.483 | 12.538 | VV | 9096   | 121604  | 0.56%  | 0.014% |
| 194    | 12.553 | 12.538 | 12.571 | VV | 1648   | 21547   | 0.10%  | 0.003% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.589 | 12.571 | 12.600 | VV | 1532   | 16530   | 0.08%  | 0.002% |
| 196 | 12.619 | 12.600 | 12.651 | VV | 3969   | 72650   | 0.33%  | 0.009% |
| 197 | 12.692 | 12.651 | 12.704 | VV | 1665   | 47154   | 0.22%  | 0.006% |
| 198 | 12.728 | 12.704 | 12.771 | VV | 3016   | 66387   | 0.30%  | 0.008% |
| 199 | 12.838 | 12.771 | 12.861 | PV | 8086   | 148633  | 0.68%  | 0.018% |
| 200 | 12.889 | 12.861 | 12.927 | VV | 9023   | 192795  | 0.88%  | 0.023% |
| 201 | 12.956 | 12.927 | 12.991 | VV | 22520  | 305413  | 1.40%  | 0.036% |
| 202 | 13.001 | 12.991 | 13.034 | VV | 2318   | 36027   | 0.17%  | 0.004% |
| 203 | 13.082 | 13.034 | 13.120 | VV | 2282   | 46739   | 0.21%  | 0.006% |
| 204 | 13.145 | 13.120 | 13.162 | VV | 2584   | 35927   | 0.16%  | 0.004% |
| 205 | 13.190 | 13.162 | 13.203 | VV | 2439   | 45360   | 0.21%  | 0.005% |
| 206 | 13.207 | 13.203 | 13.228 | VV | 2224   | 20559   | 0.09%  | 0.002% |
| 207 | 13.254 | 13.228 | 13.295 | PV | 21005  | 302718  | 1.39%  | 0.036% |
| 208 | 13.336 | 13.295 | 13.364 | VV | 231098 | 2847707 | 13.05% | 0.337% |
| 209 | 13.377 | 13.364 | 13.399 | VV | 8541   | 115268  | 0.53%  | 0.014% |
| 210 | 13.436 | 13.399 | 13.455 | VV | 3759   | 77648   | 0.36%  | 0.009% |
| 211 | 13.466 | 13.455 | 13.481 | VV | 1741   | 21743   | 0.10%  | 0.003% |
| 212 | 13.503 | 13.481 | 13.521 | VV | 6726   | 101014  | 0.46%  | 0.012% |
| 213 | 13.540 | 13.521 | 13.568 | VV | 4992   | 109245  | 0.50%  | 0.013% |
| 214 | 13.586 | 13.568 | 13.633 | VV | 5015   | 94807   | 0.43%  | 0.011% |
| 215 | 13.647 | 13.633 | 13.659 | PV | 1718   | 15479   | 0.07%  | 0.002% |
| 216 | 13.676 | 13.659 | 13.694 | VV | 2731   | 31755   | 0.15%  | 0.004% |
| 217 | 13.728 | 13.694 | 13.743 | VV | 2735   | 45259   | 0.21%  | 0.005% |
| 218 | 13.768 | 13.743 | 13.793 | VV | 2541   | 52598   | 0.24%  | 0.006% |
| 219 | 13.804 | 13.793 | 13.814 | VV | 1590   | 16009   | 0.07%  | 0.002% |
| 220 | 13.844 | 13.814 | 13.867 | VV | 4773   | 73897   | 0.34%  | 0.009% |
| 221 | 13.886 | 13.867 | 13.901 | PV | 2645   | 35843   | 0.16%  | 0.004% |
| 222 | 13.912 | 13.901 | 13.928 | VV | 1714   | 20667   | 0.09%  | 0.002% |
| 223 | 13.951 | 13.928 | 13.981 | VV | 3629   | 63234   | 0.29%  | 0.007% |
| 224 | 14.039 | 13.981 | 14.063 | VV | 3840   | 139053  | 0.64%  | 0.016% |
| 225 | 14.089 | 14.063 | 14.132 | VV | 10752  | 258824  | 1.19%  | 0.031% |
| 226 | 14.148 | 14.132 | 14.182 | VV | 8991   | 146703  | 0.67%  | 0.017% |
| 227 | 14.229 | 14.182 | 14.261 | VV | 2652   | 82999   | 0.38%  | 0.010% |
| 228 | 14.299 | 14.261 | 14.344 | PV | 2942   | 82763   | 0.38%  | 0.010% |
| 229 | 14.361 | 14.344 | 14.376 | PV | 1737   | 23165   | 0.11%  | 0.003% |
| 230 | 14.395 | 14.376 | 14.421 | VV | 1989   | 30737   | 0.14%  | 0.004% |
| 231 | 14.455 | 14.421 | 14.471 | VV | 2978   | 53292   | 0.24%  | 0.006% |
| 232 | 14.500 | 14.471 | 14.525 | VV | 4938   | 93056   | 0.43%  | 0.011% |
| 233 | 14.546 | 14.525 | 14.558 | VV | 3363   | 47828   | 0.22%  | 0.006% |
| 234 | 14.596 | 14.558 | 14.618 | VV | 8669   | 160901  | 0.74%  | 0.019% |
| 235 | 14.651 | 14.618 | 14.668 | VV | 8272   | 115606  | 0.53%  | 0.014% |
| 236 | 14.713 | 14.668 | 14.741 | VV | 5926   | 173455  | 0.80%  | 0.021% |
| 237 | 14.765 | 14.741 | 14.802 | VV | 5069   | 116115  | 0.53%  | 0.014% |
| 238 | 14.823 | 14.802 | 14.843 | VV | 3894   | 48768   | 0.22%  | 0.006% |
| 239 | 14.905 | 14.843 | 14.923 | PV | 5191   | 105979  | 0.49%  | 0.013% |
| 240 | 14.943 | 14.923 | 14.968 | VV | 4707   | 76030   | 0.35%  | 0.009% |
| 241 | 14.981 | 14.968 | 14.990 | VV | 1499   | 17226   | 0.08%  | 0.002% |
| 242 | 15.002 | 14.990 | 15.022 | VV | 1911   | 23588   | 0.11%  | 0.003% |
| 243 | 15.052 | 15.022 | 15.060 | VV | 2655   | 42976   | 0.20%  | 0.005% |
| 244 | 15.137 | 15.060 | 15.159 | VV | 6713   | 248895  | 1.14%  | 0.029% |
| 245 | 15.186 | 15.159 | 15.209 | VV | 12047  | 234923  | 1.08%  | 0.028% |
| 246 | 15.231 | 15.209 | 15.246 | VV | 4461   | 83297   | 0.38%  | 0.010% |

|     |        |        |        |    | rteres |          |        |        |
|-----|--------|--------|--------|----|--------|----------|--------|--------|
| 247 | 15.275 | 15.246 | 15.303 | VV | 8083   | 179559   | 0.82%  | 0.021% |
| 248 | 15.338 | 15.303 | 15.351 | VV | 6865   | 166221   | 0.76%  | 0.020% |
| 249 | 15.377 | 15.351 | 15.404 | VV | 5248   | 134241   | 0.62%  | 0.016% |
| 250 | 15.449 | 15.404 | 15.476 | VV | 7050   | 196192   | 0.90%  | 0.023% |
| 251 | 15.517 | 15.476 | 15.534 | VV | 6351   | 190084   | 0.87%  | 0.022% |
| 252 | 15.590 | 15.534 | 15.629 | VV | 16358  | 578875   | 2.65%  | 0.068% |
| 253 | 15.647 | 15.629 | 15.665 | VV | 9596   | 167165   | 0.77%  | 0.020% |
| 254 | 15.711 | 15.665 | 15.747 | VV | 18301  | 512311   | 2.35%  | 0.061% |
| 255 | 15.783 | 15.747 | 15.794 | VV | 13250  | 287285   | 1.32%  | 0.034% |
| 256 | 15.810 | 15.794 | 15.831 | VV | 15887  | 303649   | 1.39%  | 0.036% |
| 257 | 15.848 | 15.831 | 15.871 | VV | 18435  | 331210   | 1.52%  | 0.039% |
| 258 | 15.931 | 15.871 | 15.944 | VV | 15199  | 519176   | 2.38%  | 0.061% |
| 259 | 15.973 | 15.944 | 15.995 | VV | 21310  | 499529   | 2.29%  | 0.059% |
| 260 | 16.013 | 15.995 | 16.024 | VV | 16435  | 260881   | 1.20%  | 0.031% |
| 261 | 16.109 | 16.024 | 16.128 | VV | 20344  | 1051599  | 4.82%  | 0.124% |
| 262 | 16.169 | 16.128 | 16.186 | VV | 21312  | 711143   | 3.26%  | 0.084% |
| 263 | 16.212 | 16.186 | 16.229 | VV | 32328  | 675922   | 3.10%  | 0.080% |
| 264 | 16.250 | 16.229 | 16.290 | VV | 26469  | 897220   | 4.11%  | 0.106% |
| 265 | 16.305 | 16.290 | 16.331 | VV | 22914  | 543756   | 2.49%  | 0.064% |
| 266 | 16.347 | 16.331 | 16.370 | VV | 24967  | 525850   | 2.41%  | 0.062% |
| 267 | 16.400 | 16.370 | 16.438 | VV | 34062  | 1151060  | 5.28%  | 0.136% |
| 268 | 16.512 | 16.438 | 16.538 | VV | 37134  | 1873182  | 8.59%  | 0.221% |
| 269 | 16.611 | 16.538 | 16.634 | VV | 40253  | 1981439  | 9.08%  | 0.234% |
| 270 | 16.698 | 16.634 | 16.724 | VV | 62901  | 2342040  | 10.73% | 0.277% |
| 271 | 16.795 | 16.724 | 16.805 | VV | 49612  | 2104033  | 9.64%  | 0.249% |
| 272 | 16.829 | 16.805 | 16.851 | VV | 55086  | 1437073  | 6.59%  | 0.170% |
| 273 | 16.908 | 16.851 | 16.944 | VV | 59475  | 2958990  | 13.56% | 0.350% |
| 274 | 16.970 | 16.944 | 16.979 | VV | 56597  | 1162947  | 5.33%  | 0.137% |
| 275 | 17.023 | 16.979 | 17.044 | VV | 63513  | 2272273  | 10.41% | 0.269% |
| 276 | 17.050 | 17.044 | 17.070 | VV | 59663  | 870575   | 3.99%  | 0.103% |
| 277 | 17.090 | 17.070 | 17.106 | VV | 58227  | 1276236  | 5.85%  | 0.151% |
| 278 | 17.185 | 17.106 | 17.207 | VV | 88419  | 4290773  | 19.67% | 0.507% |
| 279 | 17.221 | 17.207 | 17.243 | VV | 76200  | 1588590  | 7.28%  | 0.188% |
| 280 | 17.260 | 17.243 | 17.276 | VV | 76082  | 1412199  | 6.47%  | 0.167% |
| 281 | 17.283 | 17.276 | 17.293 | VV | 71078  | 728470   | 3.34%  | 0.086% |
| 282 | 17.409 | 17.293 | 17.434 | VV | 90715  | 6695625  | 30.69% | 0.792% |
| 283 | 17.484 | 17.434 | 17.519 | VV | 103362 | 4574616  | 20.97% | 0.541% |
| 284 | 17.556 | 17.519 | 17.564 | VV | 99763  | 2524735  | 11.57% | 0.298% |
| 285 | 17.582 | 17.564 | 17.601 | VV | 108491 | 2265996  | 10.39% | 0.268% |
| 286 | 17.612 | 17.601 | 17.631 | VV | 105306 | 1808106  | 8.29%  | 0.214% |
| 287 | 17.652 | 17.631 | 17.671 | VV | 105401 | 2400974  | 11.00% | 0.284% |
| 288 | 17.687 | 17.671 | 17.704 | VV | 106071 | 2013362  | 9.23%  | 0.238% |
| 289 | 17.728 | 17.704 | 17.766 | VV | 123600 | 3986432  | 18.27% | 0.471% |
| 290 | 17.794 | 17.766 | 17.831 | VV | 117071 | 4209056  | 19.29% | 0.498% |
| 291 | 17.855 | 17.831 | 17.866 | VV | 107423 | 2191735  | 10.05% | 0.259% |
| 292 | 17.887 | 17.866 | 17.924 | VV | 115387 | 3834952  | 17.58% | 0.453% |
| 293 | 17.959 | 17.924 | 17.969 | VV | 124549 | 3136109  | 14.37% | 0.371% |
| 294 | 17.974 | 17.969 | 17.994 | VV | 123782 | 1880603  | 8.62%  | 0.222% |
| 295 | 18.002 | 17.994 | 18.011 | VV | 126379 | 1242653  | 5.70%  | 0.147% |
| 296 | 18.055 | 18.011 | 18.078 | VV | 157545 | 5485177  | 25.14% | 0.648% |
| 297 | 18.101 | 18.078 | 18.144 | VV | 140230 | 5124495  | 23.49% | 0.606% |
| 298 | 18.200 | 18.144 | 18.268 | VV | 189380 | 11076902 | 50.77% | 1.310% |
| 299 | 18.293 | 18.268 | 18.315 | VV | 141070 | 3875858  | 17.76% | 0.458% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 300    | 18.408 | 18.315 | 18.458 | VV | 162829 | 12886149 | 59.06%  | 1.523% |
| 301    | 18.474 | 18.458 | 18.498 | VV | 164553 | 3822130  | 17.52%  | 0.452% |
| 302    | 18.570 | 18.498 | 18.618 | VV | 212989 | 12495082 | 57.27%  | 1.477% |
| 303    | 18.645 | 18.618 | 18.668 | VV | 171972 | 5118690  | 23.46%  | 0.605% |
| 304    | 18.688 | 18.668 | 18.709 | VV | 179962 | 4208526  | 19.29%  | 0.498% |
| 305    | 18.728 | 18.709 | 18.749 | VV | 181509 | 4275177  | 19.59%  | 0.505% |
| 306    | 18.767 | 18.749 | 18.790 | VV | 179984 | 4380945  | 20.08%  | 0.518% |
| 307    | 18.804 | 18.790 | 18.819 | VV | 180497 | 3018157  | 13.83%  | 0.357% |
| 308    | 18.882 | 18.819 | 18.922 | VV | 212642 | 11969825 | 54.86%  | 1.415% |
| 309    | 18.992 | 18.922 | 19.014 | VV | 240779 | 11203417 | 51.35%  | 1.325% |
| 310    | 19.041 | 19.014 | 19.111 | VV | 240766 | 12528509 | 57.42%  | 1.481% |
| 311    | 19.177 | 19.111 | 19.192 | VV | 229042 | 10471444 | 47.99%  | 1.238% |
| 312    | 19.251 | 19.192 | 19.265 | VV | 231696 | 9692037  | 44.42%  | 1.146% |
| 313    | 19.287 | 19.265 | 19.303 | VV | 242713 | 5505675  | 25.23%  | 0.651% |
| 314    | 19.322 | 19.303 | 19.358 | VV | 259878 | 7978706  | 36.57%  | 0.943% |
| 315    | 19.393 | 19.358 | 19.447 | VV | 261312 | 13068560 | 59.90%  | 1.545% |
| 316    | 19.474 | 19.447 | 19.492 | VV | 248798 | 6635576  | 30.41%  | 0.784% |
| 317    | 19.586 | 19.492 | 19.594 | VV | 267209 | 15628853 | 71.63%  | 1.848% |
| 318    | 19.605 | 19.594 | 19.631 | VV | 271601 | 5996413  | 27.48%  | 0.709% |
| 319    | 19.706 | 19.631 | 19.737 | VV | 298995 | 17892408 | 82.01%  | 2.115% |
| 320    | 19.799 | 19.737 | 19.838 | VV | 311301 | 17331032 | 79.43%  | 2.049% |
| 321    | 19.878 | 19.838 | 19.886 | VV | 306627 | 8730199  | 40.01%  | 1.032% |
| 322    | 19.913 | 19.886 | 19.925 | VV | 315682 | 7128285  | 32.67%  | 0.843% |
| 323    | 19.952 | 19.925 | 20.001 | VV | 314697 | 14075132 | 64.51%  | 1.664% |
| 324    | 20.055 | 20.001 | 20.074 | VV | 339016 | 14477266 | 66.35%  | 1.712% |
| 325    | 20.103 | 20.074 | 20.137 | VV | 356231 | 12931053 | 59.27%  | 1.529% |
| 326    | 20.215 | 20.137 | 20.237 | VV | 372024 | 20696331 | 94.86%  | 2.447% |
| 327    | 20.286 | 20.237 | 20.300 | VV | 366614 | 13486181 | 61.81%  | 1.594% |
| 328    | 20.325 | 20.300 | 20.359 | VV | 391471 | 13155312 | 60.30%  | 1.555% |
| 329    | 20.385 | 20.359 | 20.394 | VV | 385266 | 7847379  | 35.97%  | 0.928% |
| 330    | 20.414 | 20.394 | 20.434 | VV | 400895 | 9359415  | 42.90%  | 1.107% |
| 331    | 20.445 | 20.434 | 20.468 | VV | 398308 | 8115808  | 37.20%  | 0.959% |
| 332    | 20.492 | 20.468 | 20.515 | VV | 416675 | 11411375 | 52.30%  | 1.349% |
| 333    | 20.524 | 20.515 | 20.532 | VV | 392451 | 3919259  | 17.96%  | 0.463% |
| 334    | 20.570 | 20.532 | 20.585 | VV | 415972 | 12770309 | 58.53%  | 1.510% |
| 335    | 20.638 | 20.585 | 20.657 | VV | 435899 | 18400721 | 84.34%  | 2.175% |
| 336    | 20.691 | 20.657 | 20.744 | VV | 430748 | 21817910 | 100.00% | 2.579% |
| 337    | 20.777 | 20.744 | 20.800 | VV | 442136 | 14408863 | 66.04%  | 1.703% |
| 338    | 20.824 | 20.800 | 20.860 | VV | 425265 | 15057400 | 69.01%  | 1.780% |
| 339    | 20.894 | 20.860 | 20.933 | VV | 439838 | 18505213 | 84.82%  | 2.188% |
| 340    | 20.943 | 20.933 | 20.959 | VV | 414633 | 6368808  | 29.19%  | 0.753% |
| 341    | 20.992 | 20.959 | 21.018 | VV | 412365 | 14507099 | 66.49%  | 1.715% |
| 342    | 21.033 | 21.018 | 21.072 | VV | 403306 | 12810987 | 58.72%  | 1.515% |
| 343    | 21.083 | 21.072 | 21.108 | VV | 400786 | 8545180  | 39.17%  | 1.010% |
| 344    | 21.132 | 21.108 | 21.142 | VV | 410885 | 8388265  | 38.45%  | 0.992% |
| 345    | 21.149 | 21.142 | 21.204 | VV | 405394 | 14503482 | 66.48%  | 1.715% |
| 346    | 21.216 | 21.204 | 21.243 | VV | 384260 | 8802276  | 40.34%  | 1.041% |
| 347    | 21.256 | 21.243 | 21.278 | VV | 376184 | 7849396  | 35.98%  | 0.928% |
| 348    | 21.287 | 21.278 | 21.298 | VV | 376071 | 4338725  | 19.89%  | 0.513% |
| 349    | 21.314 | 21.298 | 21.344 | VV | 369616 | 10164982 | 46.59%  | 1.202% |
| 350    | 21.379 | 21.344 | 21.415 | VV | 369392 | 15427711 | 70.71%  | 1.824% |
| 351    | 21.428 | 21.415 | 21.454 | VV | 371428 | 8600498  | 39.42%  | 1.017% |

|     |        |        |        |     |        |          |        |        |
|-----|--------|--------|--------|-----|--------|----------|--------|--------|
|     |        |        |        |     |        | rters    |        |        |
| 352 | 21.468 | 21.454 | 21.524 | VV  | 363907 | 14865855 | 68.14% | 1.758% |
| 353 | 21.538 | 21.524 | 21.561 | VV  | 346955 | 7526072  | 34.49% | 0.890% |
| 354 | 21.574 | 21.561 | 21.612 | VV  | 347764 | 10431788 | 47.81% | 1.233% |
| 355 | 21.625 | 21.612 | 21.641 | VV  | 331778 | 5689636  | 26.08% | 0.673% |
| 356 | 21.658 | 21.641 | 21.673 | VV  | 322019 | 6121421  | 28.06% | 0.724% |
| 357 | 21.689 | 21.673 | 21.730 | VV  | 326916 | 11047283 | 50.63% | 1.306% |
| 358 | 21.748 | 21.730 | 21.764 | VV  | 319034 | 6488668  | 29.74% | 0.767% |
| 359 | 21.784 | 21.764 | 21.796 | VV  | 315167 | 6008788  | 27.54% | 0.710% |
| 360 | 21.808 | 21.796 | 21.858 | VV  | 318170 | 11438251 | 52.43% | 1.352% |
| 361 | 21.873 | 21.858 | 21.908 | VV  | 306390 | 8887154  | 40.73% | 1.051% |
| 362 | 21.919 | 21.908 | 21.925 | VV  | 287905 | 2895880  | 13.27% | 0.342% |
| 363 | 21.934 | 21.925 | 21.953 | VV  | 291939 | 4801235  | 22.01% | 0.568% |
| 364 | 21.967 | 21.953 | 22.017 | VV  | 283332 | 10877187 | 49.85% | 1.286% |
| 365 | 22.042 | 22.017 | 22.050 | VV  | 287603 | 5615469  | 25.74% | 0.664% |
| 366 | 22.065 | 22.050 | 22.151 | VV  | 291905 | 16790810 | 76.96% | 1.985% |
| 367 | 22.159 | 22.151 | 22.188 | VV  | 266162 | 5809715  | 26.63% | 0.687% |
| 368 | 22.215 | 22.188 | 22.224 | VV  | 268383 | 5793369  | 26.55% | 0.685% |
| 369 | 22.231 | 22.224 | 22.281 | VV  | 267201 | 8632700  | 39.57% | 1.021% |
| 370 | 22.289 | 22.281 | 22.301 | VBA | 245364 | 3388693  | 15.53% | 0.401% |

Sum of corrected areas: 845841712

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