

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE041025AL\  
Data File : FE053307.D  
Signal(s) : FID1B.ch  
Acq On : 10 Apr 2025 16:33  
Sample : Q1771-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 032925.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         | 2.865       | 2.805        | 2.890      | BV       | 606            | 7744         | 0.14%          | 0.005%        |
| 2         | 2.920       | 2.890        | 2.946      | VV       | 655            | 9061         | 0.16%          | 0.006%        |
| 3         | 2.969       | 2.946        | 2.982      | PV       | 318            | 4036         | 0.07%          | 0.003%        |
| 4         | 3.007       | 2.982        | 3.024      | VV       | 508            | 8077         | 0.14%          | 0.005%        |
| 5         | 3.037       | 3.024        | 3.047      | VV       | 262            | 2996         | 0.05%          | 0.002%        |
| 6         | 3.061       | 3.047        | 3.135      | VV       | 515            | 9194         | 0.16%          | 0.006%        |
| 7         | 3.151       | 3.135        | 3.174      | VV       | 238            | 2519         | 0.04%          | 0.002%        |
| 8         | 3.185       | 3.174        | 3.198      | VV       | 177            | 1480         | 0.03%          | 0.001%        |
| 9         | 3.230       | 3.198        | 3.263      | VV       | 1863           | 29339        | 0.52%          | 0.020%        |
| 10        | 3.273       | 3.263        | 3.322      | VV       | 277            | 3692         | 0.07%          | 0.002%        |
| 11        | 3.347       | 3.322        | 3.357      | PV       | 391            | 3786         | 0.07%          | 0.003%        |
| 12        | 3.372       | 3.357        | 3.389      | VV       | 459            | 6229         | 0.11%          | 0.004%        |
| 13        | 3.420       | 3.389        | 3.465      | VV       | 3628           | 45811        | 0.82%          | 0.031%        |
| 14        | 3.474       | 3.465        | 3.497      | VV       | 356            | 3944         | 0.07%          | 0.003%        |
| 15        | 3.515       | 3.497        | 3.526      | VV       | 274            | 3211         | 0.06%          | 0.002%        |
| 16        | 3.545       | 3.526        | 3.586      | VV       | 1007           | 15915        | 0.28%          | 0.011%        |
| 17        | 3.625       | 3.586        | 3.660      | VV       | 1443           | 35259        | 0.63%          | 0.024%        |
| 18        | 3.679       | 3.660        | 3.695      | VV       | 1881           | 26584        | 0.47%          | 0.018%        |
| 19        | 3.713       | 3.695        | 3.747      | VV       | 2759           | 40760        | 0.73%          | 0.027%        |
| 20        | 3.763       | 3.747        | 3.794      | VV       | 868            | 15492        | 0.28%          | 0.010%        |
| 21        | 3.823       | 3.794        | 3.856      | VV       | 2692           | 52255        | 0.93%          | 0.035%        |
| 22        | 3.867       | 3.856        | 3.895      | VV       | 1051           | 12579        | 0.22%          | 0.008%        |
| 23        | 3.915       | 3.895        | 3.982      | VV       | 6896           | 97291        | 1.74%          | 0.065%        |
| 24        | 4.028       | 3.982        | 4.045      | VV       | 2879           | 39893        | 0.71%          | 0.027%        |
| 25        | 4.063       | 4.045        | 4.082      | VV       | 2115           | 27706        | 0.49%          | 0.019%        |
| 26        | 4.099       | 4.082        | 4.118      | VV       | 942            | 16519        | 0.29%          | 0.011%        |
| 27        | 4.138       | 4.118        | 4.175      | VV       | 2055           | 30220        | 0.54%          | 0.020%        |
| 28        | 4.213       | 4.175        | 4.246      | VV       | 7300           | 117561       | 2.10%          | 0.079%        |
| 29        | 4.261       | 4.246        | 4.318      | VV       | 2532           | 53780        | 0.96%          | 0.036%        |
| 30        | 4.326       | 4.318        | 4.344      | VV       | 490            | 4780         | 0.09%          | 0.003%        |
| 31        | 4.383       | 4.344        | 4.411      | PV       | 1094           | 18263        | 0.33%          | 0.012%        |
| 32        | 4.431       | 4.411        | 4.456      | VV       | 1692           | 21657        | 0.39%          | 0.014%        |
| 33        | 4.493       | 4.456        | 4.515      | VV       | 14485          | 160260       | 2.86%          | 0.107%        |
| 34        | 4.529       | 4.515        | 4.548      | VV       | 3351           | 34685        | 0.62%          | 0.023%        |
| 35        | 4.567       | 4.548        | 4.586      | VV       | 1767           | 19685        | 0.35%          | 0.013%        |
| 36        | 4.603       | 4.586        | 4.630      | VV       | 1106           | 15039        | 0.27%          | 0.010%        |

|    |       |       |       |    | rteres |        |        |        |
|----|-------|-------|-------|----|--------|--------|--------|--------|
| 37 | 4.668 | 4.630 | 4.687 | VV | 1257   | 28109  | 0.50%  | 0.019% |
| 38 | 4.704 | 4.687 | 4.734 | VV | 1511   | 30442  | 0.54%  | 0.020% |
| 39 | 4.745 | 4.734 | 4.759 | VV | 1135   | 11921  | 0.21%  | 0.008% |
| 40 | 4.778 | 4.759 | 4.792 | VV | 5588   | 58915  | 1.05%  | 0.039% |
| 41 | 4.800 | 4.792 | 4.817 | VV | 2955   | 28245  | 0.50%  | 0.019% |
| 42 | 4.836 | 4.817 | 4.844 | VV | 2150   | 25686  | 0.46%  | 0.017% |
| 43 | 4.856 | 4.844 | 4.873 | VV | 2593   | 30295  | 0.54%  | 0.020% |
| 44 | 4.911 | 4.873 | 4.936 | VV | 4616   | 84166  | 1.50%  | 0.056% |
| 45 | 4.957 | 4.936 | 4.977 | VV | 4095   | 60302  | 1.08%  | 0.040% |
| 46 | 4.999 | 4.977 | 5.045 | VV | 7673   | 110880 | 1.98%  | 0.074% |
| 47 | 5.074 | 5.045 | 5.093 | VV | 3084   | 37411  | 0.67%  | 0.025% |
| 48 | 5.110 | 5.093 | 5.135 | VV | 1638   | 20015  | 0.36%  | 0.013% |
| 49 | 5.173 | 5.135 | 5.185 | VV | 4460   | 48960  | 0.87%  | 0.033% |
| 50 | 5.205 | 5.185 | 5.230 | VV | 7128   | 108705 | 1.94%  | 0.073% |
| 51 | 5.249 | 5.230 | 5.266 | VV | 7915   | 87086  | 1.55%  | 0.058% |
| 52 | 5.281 | 5.266 | 5.299 | VV | 4849   | 63164  | 1.13%  | 0.042% |
| 53 | 5.316 | 5.299 | 5.355 | VV | 6378   | 83802  | 1.50%  | 0.056% |
| 54 | 5.377 | 5.355 | 5.391 | VV | 523    | 8346   | 0.15%  | 0.006% |
| 55 | 5.414 | 5.391 | 5.426 | VV | 2917   | 35850  | 0.64%  | 0.024% |
| 56 | 5.441 | 5.426 | 5.459 | VV | 3474   | 50184  | 0.90%  | 0.034% |
| 57 | 5.480 | 5.459 | 5.498 | VV | 4386   | 76336  | 1.36%  | 0.051% |
| 58 | 5.511 | 5.498 | 5.529 | VV | 4832   | 56670  | 1.01%  | 0.038% |
| 59 | 5.538 | 5.529 | 5.548 | VV | 1633   | 17210  | 0.31%  | 0.012% |
| 60 | 5.574 | 5.548 | 5.591 | VV | 2943   | 45146  | 0.81%  | 0.030% |
| 61 | 5.601 | 5.591 | 5.613 | VV | 1236   | 10946  | 0.20%  | 0.007% |
| 62 | 5.637 | 5.613 | 5.687 | PV | 45007  | 591144 | 10.55% | 0.396% |
| 63 | 5.710 | 5.687 | 5.742 | VV | 1490   | 32628  | 0.58%  | 0.022% |
| 64 | 5.764 | 5.742 | 5.777 | VV | 1016   | 13564  | 0.24%  | 0.009% |
| 65 | 5.820 | 5.777 | 5.879 | VV | 7487   | 187651 | 3.35%  | 0.126% |
| 66 | 5.901 | 5.879 | 5.912 | VV | 3920   | 43668  | 0.78%  | 0.029% |
| 67 | 5.944 | 5.912 | 5.973 | VV | 9508   | 231410 | 4.13%  | 0.155% |
| 68 | 5.984 | 5.973 | 5.992 | VV | 3201   | 31589  | 0.56%  | 0.021% |
| 69 | 6.025 | 5.992 | 6.055 | VV | 9735   | 169829 | 3.03%  | 0.114% |
| 70 | 6.070 | 6.055 | 6.098 | VV | 3533   | 58557  | 1.04%  | 0.039% |
| 71 | 6.117 | 6.098 | 6.135 | VV | 5143   | 60404  | 1.08%  | 0.040% |
| 72 | 6.169 | 6.135 | 6.190 | VV | 5184   | 92653  | 1.65%  | 0.062% |
| 73 | 6.225 | 6.190 | 6.255 | VV | 6475   | 178406 | 3.18%  | 0.119% |
| 74 | 6.269 | 6.255 | 6.289 | VV | 6121   | 75326  | 1.34%  | 0.050% |
| 75 | 6.316 | 6.289 | 6.334 | VV | 8764   | 114187 | 2.04%  | 0.076% |
| 76 | 6.354 | 6.334 | 6.366 | VV | 6283   | 90479  | 1.61%  | 0.061% |
| 77 | 6.381 | 6.366 | 6.422 | VV | 8620   | 163145 | 2.91%  | 0.109% |
| 78 | 6.440 | 6.422 | 6.472 | VV | 5031   | 98101  | 1.75%  | 0.066% |
| 79 | 6.493 | 6.472 | 6.526 | VV | 6180   | 129303 | 2.31%  | 0.087% |
| 80 | 6.545 | 6.526 | 6.571 | VV | 4091   | 86490  | 1.54%  | 0.058% |
| 81 | 6.595 | 6.571 | 6.650 | VV | 8996   | 207750 | 3.71%  | 0.139% |
| 82 | 6.673 | 6.650 | 6.721 | VV | 50737  | 606827 | 10.83% | 0.406% |
| 83 | 6.761 | 6.721 | 6.772 | VV | 2841   | 55178  | 0.98%  | 0.037% |
| 84 | 6.792 | 6.772 | 6.807 | VV | 4619   | 69373  | 1.24%  | 0.046% |
| 85 | 6.827 | 6.807 | 6.851 | VV | 18022  | 228602 | 4.08%  | 0.153% |
| 86 | 6.870 | 6.851 | 6.888 | VV | 5170   | 83848  | 1.50%  | 0.056% |
| 87 | 6.900 | 6.888 | 6.914 | VV | 3550   | 39794  | 0.71%  | 0.027% |
| 88 | 6.956 | 6.914 | 6.978 | VV | 8713   | 140565 | 2.51%  | 0.094% |
| 89 | 7.001 | 6.978 | 7.012 | VV | 5840   | 77364  | 1.38%  | 0.052% |

|     |       |       |       |    |        |         |        |        |
|-----|-------|-------|-------|----|--------|---------|--------|--------|
|     |       |       |       |    | rteres |         |        |        |
| 90  | 7.018 | 7.012 | 7.051 | VV | 5054   | 82279   | 1.47%  | 0.055% |
| 91  | 7.078 | 7.051 | 7.111 | VV | 20181  | 271795  | 4.85%  | 0.182% |
| 92  | 7.126 | 7.111 | 7.134 | VV | 2019   | 26039   | 0.46%  | 0.017% |
| 93  | 7.155 | 7.134 | 7.169 | VV | 3795   | 59261   | 1.06%  | 0.040% |
| 94  | 7.204 | 7.169 | 7.226 | VV | 10067  | 203915  | 3.64%  | 0.136% |
| 95  | 7.248 | 7.226 | 7.275 | VV | 12269  | 170108  | 3.03%  | 0.114% |
| 96  | 7.311 | 7.275 | 7.338 | VV | 15075  | 309761  | 5.53%  | 0.207% |
| 97  | 7.354 | 7.338 | 7.373 | VV | 9458   | 113538  | 2.03%  | 0.076% |
| 98  | 7.396 | 7.373 | 7.431 | VV | 17044  | 254318  | 4.54%  | 0.170% |
| 99  | 7.454 | 7.431 | 7.477 | VV | 6696   | 114606  | 2.04%  | 0.077% |
| 100 | 7.496 | 7.477 | 7.513 | VV | 5972   | 77982   | 1.39%  | 0.052% |
| 101 | 7.546 | 7.513 | 7.557 | VV | 3381   | 78808   | 1.41%  | 0.053% |
| 102 | 7.624 | 7.557 | 7.648 | VV | 67278  | 998968  | 17.82% | 0.669% |
| 103 | 7.659 | 7.648 | 7.728 | VV | 6200   | 216666  | 3.87%  | 0.145% |
| 104 | 7.747 | 7.728 | 7.772 | VV | 3573   | 72752   | 1.30%  | 0.049% |
| 105 | 7.798 | 7.772 | 7.832 | VV | 15827  | 285782  | 5.10%  | 0.191% |
| 106 | 7.849 | 7.832 | 7.872 | VV | 5151   | 74414   | 1.33%  | 0.050% |
| 107 | 7.892 | 7.872 | 7.905 | VV | 3967   | 46669   | 0.83%  | 0.031% |
| 108 | 7.995 | 7.981 | 8.038 | VV | 9139   | 185599  | 3.31%  | 0.124% |
| 109 | 8.057 | 8.038 | 8.072 | VV | 9304   | 134149  | 2.39%  | 0.090% |
| 110 | 8.089 | 8.072 | 8.127 | VV | 9388   | 236303  | 4.22%  | 0.158% |
| 111 | 8.153 | 8.127 | 8.174 | VV | 9896   | 162273  | 2.90%  | 0.109% |
| 112 | 8.200 | 8.174 | 8.218 | VV | 13733  | 202953  | 3.62%  | 0.136% |
| 113 | 8.234 | 8.218 | 8.244 | VV | 12238  | 145496  | 2.60%  | 0.097% |
| 114 | 8.257 | 8.244 | 8.282 | VV | 15894  | 194778  | 3.47%  | 0.130% |
| 115 | 8.327 | 8.282 | 8.358 | VV | 21221  | 364139  | 6.50%  | 0.244% |
| 116 | 8.377 | 8.358 | 8.392 | VV | 5027   | 87754   | 1.57%  | 0.059% |
| 117 | 8.418 | 8.392 | 8.442 | VV | 10606  | 238555  | 4.26%  | 0.160% |
| 118 | 8.457 | 8.442 | 8.469 | VV | 9621   | 136154  | 2.43%  | 0.091% |
| 119 | 8.509 | 8.469 | 8.535 | VV | 73969  | 1021870 | 18.23% | 0.684% |
| 120 | 8.553 | 8.535 | 8.573 | VV | 8912   | 166522  | 2.97%  | 0.111% |
| 121 | 8.608 | 8.573 | 8.638 | VV | 9203   | 246286  | 4.39%  | 0.165% |
| 122 | 8.664 | 8.638 | 8.682 | VV | 8556   | 170961  | 3.05%  | 0.114% |
| 123 | 8.695 | 8.682 | 8.710 | VV | 8235   | 110034  | 1.96%  | 0.074% |
| 124 | 8.729 | 8.710 | 8.772 | VV | 11322  | 238256  | 4.25%  | 0.159% |
| 125 | 8.868 | 8.854 | 8.911 | VV | 11702  | 326068  | 5.82%  | 0.218% |
| 126 | 8.933 | 8.911 | 8.947 | VV | 11349  | 212787  | 3.80%  | 0.142% |
| 127 | 8.964 | 8.947 | 8.980 | VV | 13625  | 226660  | 4.04%  | 0.152% |
| 128 | 9.003 | 8.980 | 9.021 | VV | 17251  | 339833  | 6.06%  | 0.227% |
| 129 | 9.050 | 9.021 | 9.078 | VV | 33109  | 593109  | 10.58% | 0.397% |
| 130 | 9.103 | 9.078 | 9.142 | VV | 13869  | 331753  | 5.92%  | 0.222% |
| 131 | 9.160 | 9.142 | 9.183 | VV | 8150   | 178265  | 3.18%  | 0.119% |
| 132 | 9.198 | 9.183 | 9.218 | VV | 8816   | 145283  | 2.59%  | 0.097% |
| 133 | 9.232 | 9.218 | 9.241 | VV | 5943   | 77867   | 1.39%  | 0.052% |
| 134 | 9.273 | 9.241 | 9.298 | VV | 8962   | 255671  | 4.56%  | 0.171% |
| 135 | 9.338 | 9.298 | 9.405 | VV | 82126  | 1276406 | 22.77% | 0.854% |
| 136 | 9.424 | 9.405 | 9.448 | VV | 8971   | 167968  | 3.00%  | 0.112% |
| 137 | 9.482 | 9.448 | 9.504 | VV | 7265   | 184842  | 3.30%  | 0.124% |
| 138 | 9.537 | 9.504 | 9.551 | VV | 6414   | 140975  | 2.52%  | 0.094% |
| 139 | 9.568 | 9.551 | 9.600 | VV | 7732   | 167772  | 2.99%  | 0.112% |
| 140 | 9.622 | 9.600 | 9.655 | VV | 8229   | 196772  | 3.51%  | 0.132% |
| 141 | 9.672 | 9.655 | 9.688 | VV | 6660   | 103622  | 1.85%  | 0.069% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.716  | 9.688  | 9.746  | VV | 17721  | 373313  | 6.66%  | 0.250% |
| 143    | 9.760  | 9.746  | 9.770  | VV | 8273   | 105650  | 1.88%  | 0.071% |
| 144    | 9.801  | 9.770  | 9.824  | VV | 13576  | 323609  | 5.77%  | 0.217% |
| 145    | 9.846  | 9.824  | 9.866  | VV | 14454  | 253810  | 4.53%  | 0.170% |
| 146    | 9.899  | 9.866  | 9.927  | VV | 12715  | 306794  | 5.47%  | 0.205% |
| 147    | 9.947  | 9.927  | 9.961  | VV | 5519   | 97826   | 1.75%  | 0.065% |
| 148    | 9.989  | 9.961  | 10.017 | VV | 21978  | 361281  | 6.45%  | 0.242% |
| 149    | 10.036 | 10.017 | 10.051 | VV | 7562   | 136933  | 2.44%  | 0.092% |
| 150    | 10.076 | 10.051 | 10.097 | VV | 11876  | 256709  | 4.58%  | 0.172% |
| 151    | 10.122 | 10.097 | 10.170 | VV | 81714  | 1077272 | 19.22% | 0.721% |
| 152    | 10.199 | 10.170 | 10.214 | VV | 6458   | 151980  | 2.71%  | 0.102% |
| 153    | 10.225 | 10.214 | 10.267 | VV | 6259   | 137914  | 2.46%  | 0.092% |
| 154    | 10.293 | 10.267 | 10.322 | VV | 6212   | 146179  | 2.61%  | 0.098% |
| 155    | 10.358 | 10.322 | 10.377 | VV | 4100   | 125441  | 2.24%  | 0.084% |
| 156    | 10.395 | 10.377 | 10.416 | VV | 4976   | 95465   | 1.70%  | 0.064% |
| 157    | 10.468 | 10.416 | 10.484 | VV | 10556  | 255769  | 4.56%  | 0.171% |
| 158    | 10.511 | 10.484 | 10.540 | VV | 31933  | 552052  | 9.85%  | 0.370% |
| 159    | 10.566 | 10.540 | 10.580 | VV | 12143  | 231546  | 4.13%  | 0.155% |
| 160    | 10.600 | 10.580 | 10.623 | VV | 16285  | 307074  | 5.48%  | 0.206% |
| 161    | 10.656 | 10.623 | 10.688 | VV | 14182  | 337696  | 6.02%  | 0.226% |
| 162    | 10.705 | 10.688 | 10.741 | VV | 5578   | 148384  | 2.65%  | 0.099% |
| 163    | 10.766 | 10.741 | 10.780 | VV | 6759   | 132514  | 2.36%  | 0.089% |
| 164    | 10.795 | 10.780 | 10.822 | VV | 7160   | 151956  | 2.71%  | 0.102% |
| 165    | 10.863 | 10.822 | 10.897 | VV | 75523  | 1068701 | 19.07% | 0.715% |
| 166    | 10.935 | 10.897 | 10.965 | VV | 31293  | 651981  | 11.63% | 0.436% |
| 167    | 10.978 | 10.965 | 11.018 | VV | 6984   | 165681  | 2.96%  | 0.111% |
| 168    | 11.077 | 11.018 | 11.093 | VV | 5727   | 195852  | 3.49%  | 0.131% |
| 169    | 11.120 | 11.093 | 11.161 | VV | 8656   | 240442  | 4.29%  | 0.161% |
| 170    | 11.192 | 11.161 | 11.225 | VV | 10544  | 290569  | 5.18%  | 0.194% |
| 171    | 11.259 | 11.225 | 11.298 | VV | 20631  | 473116  | 8.44%  | 0.317% |
| 172    | 11.320 | 11.298 | 11.354 | VV | 11036  | 245676  | 4.38%  | 0.164% |
| 173    | 11.372 | 11.354 | 11.404 | VV | 9171   | 173690  | 3.10%  | 0.116% |
| 174    | 11.424 | 11.404 | 11.453 | VV | 5386   | 119991  | 2.14%  | 0.080% |
| 175    | 11.501 | 11.453 | 11.537 | VV | 6684   | 249357  | 4.45%  | 0.167% |
| 176    | 11.569 | 11.537 | 11.630 | VV | 64794  | 949059  | 16.93% | 0.635% |
| 177    | 11.660 | 11.630 | 11.700 | VV | 23624  | 429841  | 7.67%  | 0.288% |
| 178    | 11.723 | 11.700 | 11.743 | VV | 3471   | 74132   | 1.32%  | 0.050% |
| 179    | 11.765 | 11.743 | 11.791 | VV | 3699   | 80450   | 1.44%  | 0.054% |
| 180    | 11.815 | 11.791 | 11.827 | VV | 3647   | 65822   | 1.17%  | 0.044% |
| 181    | 11.886 | 11.827 | 11.915 | VV | 371043 | 4329421 | 77.24% | 2.898% |
| 182    | 11.925 | 11.915 | 11.938 | VV | 7263   | 88025   | 1.57%  | 0.059% |
| 183    | 11.961 | 11.938 | 11.988 | VV | 10659  | 226318  | 4.04%  | 0.151% |
| 184    | 12.005 | 11.988 | 12.027 | VV | 7374   | 127308  | 2.27%  | 0.085% |
| 185    | 12.055 | 12.027 | 12.090 | VV | 7300   | 204777  | 3.65%  | 0.137% |
| 186    | 12.129 | 12.090 | 12.155 | VV | 7403   | 168438  | 3.01%  | 0.113% |
| 187    | 12.178 | 12.155 | 12.194 | VV | 2780   | 55377   | 0.99%  | 0.037% |
| 188    | 12.241 | 12.194 | 12.266 | VV | 49970  | 753015  | 13.43% | 0.504% |
| 189    | 12.293 | 12.266 | 12.383 | VV | 99460  | 1337774 | 23.87% | 0.895% |
| 190    | 12.395 | 12.383 | 12.413 | VV | 1895   | 25065   | 0.45%  | 0.017% |
| 191    | 12.452 | 12.413 | 12.476 | VV | 2567   | 67178   | 1.20%  | 0.045% |
| 192    | 12.504 | 12.476 | 12.567 | VV | 24867  | 569140  | 10.15% | 0.381% |
| 193    | 12.609 | 12.567 | 12.639 | VV | 9607   | 267907  | 4.78%  | 0.179% |
| 194    | 12.654 | 12.639 | 12.686 | VV | 7110   | 127731  | 2.28%  | 0.085% |

|     |        |        |        |    |        |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
|     |        |        |        |    | rteres |         |         |        |
| 195 | 12.710 | 12.686 | 12.727 | VV | 5366   | 90855   | 1.62%   | 0.061% |
| 196 | 12.737 | 12.727 | 12.781 | VV | 3915   | 90175   | 1.61%   | 0.060% |
| 197 | 12.825 | 12.781 | 12.846 | VV | 4807   | 119609  | 2.13%   | 0.080% |
| 198 | 12.883 | 12.846 | 12.920 | VV | 41211  | 587307  | 10.48%  | 0.393% |
| 199 | 12.944 | 12.920 | 13.011 | VV | 12016  | 223533  | 3.99%   | 0.150% |
| 200 | 13.029 | 13.011 | 13.061 | VV | 1187   | 19680   | 0.35%   | 0.013% |
| 201 | 13.102 | 13.061 | 13.115 | PV | 722    | 8326    | 0.15%   | 0.006% |
| 202 | 13.138 | 13.115 | 13.155 | PV | 3044   | 43774   | 0.78%   | 0.029% |
| 203 | 13.171 | 13.155 | 13.194 | VV | 2443   | 41893   | 0.75%   | 0.028% |
| 204 | 13.205 | 13.194 | 13.217 | VV | 1061   | 10938   | 0.20%   | 0.007% |
| 205 | 13.242 | 13.217 | 13.265 | VV | 13569  | 179649  | 3.21%   | 0.120% |
| 206 | 13.329 | 13.265 | 13.353 | VV | 304537 | 5605172 | 100.00% | 3.752% |
| 207 | 13.372 | 13.353 | 13.471 | VV | 172295 | 2424543 | 43.26%  | 1.623% |
| 208 | 13.497 | 13.471 | 13.514 | VV | 27364  | 349061  | 6.23%   | 0.234% |
| 209 | 13.550 | 13.514 | 13.569 | VV | 60727  | 1169999 | 20.87%  | 0.783% |
| 210 | 13.585 | 13.569 | 13.686 | VV | 48540  | 1260073 | 22.48%  | 0.843% |
| 211 | 13.714 | 13.686 | 13.760 | VV | 25600  | 575646  | 10.27%  | 0.385% |
| 212 | 13.772 | 13.760 | 13.798 | VV | 7688   | 141035  | 2.52%   | 0.094% |
| 213 | 13.844 | 13.798 | 13.868 | VV | 9633   | 229679  | 4.10%   | 0.154% |
| 214 | 13.877 | 13.868 | 13.899 | VV | 3753   | 55192   | 0.98%   | 0.037% |
| 215 | 13.928 | 13.899 | 13.970 | VV | 3221   | 103872  | 1.85%   | 0.070% |
| 216 | 13.989 | 13.970 | 14.013 | VV | 2912   | 60013   | 1.07%   | 0.040% |
| 217 | 14.028 | 14.013 | 14.058 | VV | 2117   | 40533   | 0.72%   | 0.027% |
| 218 | 14.085 | 14.058 | 14.158 | VV | 23362  | 423861  | 7.56%   | 0.284% |
| 219 | 14.190 | 14.158 | 14.221 | VV | 7920   | 183902  | 3.28%   | 0.123% |
| 220 | 14.239 | 14.221 | 14.261 | VV | 3695   | 52257   | 0.93%   | 0.035% |
| 221 | 14.310 | 14.261 | 14.344 | PV | 2541   | 92886   | 1.66%   | 0.062% |
| 222 | 14.387 | 14.344 | 14.428 | VV | 4093   | 110762  | 1.98%   | 0.074% |
| 223 | 14.447 | 14.428 | 14.463 | VV | 2330   | 29530   | 0.53%   | 0.020% |
| 224 | 14.498 | 14.463 | 14.515 | VV | 2612   | 56183   | 1.00%   | 0.038% |
| 225 | 14.537 | 14.515 | 14.555 | VV | 3274   | 54229   | 0.97%   | 0.036% |
| 226 | 14.588 | 14.555 | 14.618 | VV | 2576   | 59556   | 1.06%   | 0.040% |
| 227 | 14.646 | 14.618 | 14.672 | VV | 40958  | 661817  | 11.81%  | 0.443% |
| 228 | 14.695 | 14.672 | 14.799 | VV | 32738  | 968268  | 17.27%  | 0.648% |
| 229 | 14.816 | 14.799 | 14.835 | VV | 3060   | 42921   | 0.77%   | 0.029% |
| 230 | 14.869 | 14.835 | 14.918 | VV | 6847   | 181072  | 3.23%   | 0.121% |
| 231 | 14.935 | 14.918 | 14.953 | VV | 2576   | 39132   | 0.70%   | 0.026% |
| 232 | 14.971 | 14.953 | 15.017 | VV | 3259   | 57178   | 1.02%   | 0.038% |
| 233 | 15.047 | 15.017 | 15.059 | VV | 550    | 8810    | 0.16%   | 0.006% |
| 234 | 15.091 | 15.059 | 15.115 | PV | 5623   | 103009  | 1.84%   | 0.069% |
| 235 | 15.134 | 15.115 | 15.152 | VV | 10151  | 156307  | 2.79%   | 0.105% |
| 236 | 15.188 | 15.152 | 15.247 | VV | 11688  | 298390  | 5.32%   | 0.200% |
| 237 | 15.293 | 15.247 | 15.311 | VV | 2339   | 60601   | 1.08%   | 0.041% |
| 238 | 15.334 | 15.311 | 15.365 | VV | 2134   | 52170   | 0.93%   | 0.035% |
| 239 | 15.389 | 15.365 | 15.416 | VV | 1805   | 35467   | 0.63%   | 0.024% |
| 240 | 15.439 | 15.416 | 15.468 | VV | 1592   | 30495   | 0.54%   | 0.020% |
| 241 | 15.475 | 15.468 | 15.495 | VV | 936    | 10430   | 0.19%   | 0.007% |
| 242 | 15.504 | 15.495 | 15.518 | VV | 740    | 7474    | 0.13%   | 0.005% |
| 243 | 15.554 | 15.518 | 15.578 | VV | 2871   | 53024   | 0.95%   | 0.035% |
| 244 | 15.622 | 15.578 | 15.671 | VV | 6569   | 190191  | 3.39%   | 0.127% |
| 245 | 15.712 | 15.671 | 15.748 | VV | 7872   | 137487  | 2.45%   | 0.092% |
| 246 | 15.775 | 15.748 | 15.795 | VV | 5533   | 95128   | 1.70%   | 0.064% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 247 | 15.804 | 15.795 | 15.827 | VV | 4502   | 59989   | 1.07%  | 0.040% |
| 248 | 15.843 | 15.827 | 15.868 | VV | 3088   | 41452   | 0.74%  | 0.028% |
| 249 | 15.970 | 15.868 | 15.994 | PV | 2728   | 95158   | 1.70%  | 0.064% |
| 250 | 16.038 | 15.994 | 16.061 | VV | 1171   | 30015   | 0.54%  | 0.020% |
|     |        |        |        |    |        |         |        |        |
| 251 | 16.101 | 16.061 | 16.112 | VV | 987    | 15273   | 0.27%  | 0.010% |
| 252 | 16.137 | 16.112 | 16.147 | VV | 1293   | 19389   | 0.35%  | 0.013% |
| 253 | 16.161 | 16.147 | 16.175 | VV | 1020   | 13141   | 0.23%  | 0.009% |
| 254 | 16.217 | 16.175 | 16.263 | VV | 6503   | 143224  | 2.56%  | 0.096% |
| 255 | 16.274 | 16.263 | 16.296 | VV | 1641   | 21219   | 0.38%  | 0.014% |
|     |        |        |        |    |        |         |        |        |
| 256 | 16.318 | 16.296 | 16.328 | PV | 1340   | 14700   | 0.26%  | 0.010% |
| 257 | 16.348 | 16.328 | 16.360 | VV | 1302   | 19040   | 0.34%  | 0.013% |
| 258 | 16.411 | 16.360 | 16.438 | VV | 6250   | 166452  | 2.97%  | 0.111% |
| 259 | 16.500 | 16.438 | 16.537 | VV | 4442   | 142870  | 2.55%  | 0.096% |
| 260 | 16.560 | 16.537 | 16.584 | VV | 2730   | 65665   | 1.17%  | 0.044% |
|     |        |        |        |    |        |         |        |        |
| 261 | 16.611 | 16.584 | 16.634 | VV | 3787   | 70591   | 1.26%  | 0.047% |
| 262 | 16.698 | 16.634 | 16.741 | VV | 14613  | 348885  | 6.22%  | 0.234% |
| 263 | 16.793 | 16.741 | 16.802 | VV | 4881   | 136862  | 2.44%  | 0.092% |
| 264 | 16.836 | 16.802 | 16.878 | VV | 6469   | 238461  | 4.25%  | 0.160% |
| 265 | 16.915 | 16.878 | 16.951 | VV | 7229   | 225953  | 4.03%  | 0.151% |
|     |        |        |        |    |        |         |        |        |
| 266 | 17.021 | 16.951 | 17.058 | VV | 11105  | 423068  | 7.55%  | 0.283% |
| 267 | 17.078 | 17.058 | 17.106 | VV | 9027   | 196475  | 3.51%  | 0.132% |
| 268 | 17.179 | 17.106 | 17.194 | VV | 15377  | 537870  | 9.60%  | 0.360% |
| 269 | 17.212 | 17.194 | 17.241 | VV | 19595  | 391675  | 6.99%  | 0.262% |
| 270 | 17.258 | 17.241 | 17.284 | VV | 9037   | 201397  | 3.59%  | 0.135% |
|     |        |        |        |    |        |         |        |        |
| 271 | 17.356 | 17.284 | 17.372 | VV | 11161  | 456399  | 8.14%  | 0.305% |
| 272 | 17.400 | 17.372 | 17.428 | VV | 13212  | 382103  | 6.82%  | 0.256% |
| 273 | 17.481 | 17.428 | 17.512 | VV | 12984  | 545195  | 9.73%  | 0.365% |
| 274 | 17.526 | 17.512 | 17.535 | VV | 10897  | 138991  | 2.48%  | 0.093% |
| 275 | 17.581 | 17.535 | 17.601 | VV | 16857  | 547935  | 9.78%  | 0.367% |
|     |        |        |        |    |        |         |        |        |
| 276 | 17.616 | 17.601 | 17.639 | VV | 16259  | 336062  | 6.00%  | 0.225% |
| 277 | 17.657 | 17.639 | 17.668 | VV | 13720  | 230354  | 4.11%  | 0.154% |
| 278 | 17.691 | 17.668 | 17.713 | VV | 16562  | 416033  | 7.42%  | 0.278% |
| 279 | 17.730 | 17.713 | 17.758 | VV | 19887  | 446173  | 7.96%  | 0.299% |
| 280 | 17.791 | 17.758 | 17.845 | VV | 17696  | 745308  | 13.30% | 0.499% |
|     |        |        |        |    |        |         |        |        |
| 281 | 17.889 | 17.845 | 17.915 | VV | 14795  | 554059  | 9.88%  | 0.371% |
| 282 | 17.918 | 17.915 | 17.926 | VV | 14128  | 86946   | 1.55%  | 0.058% |
| 283 | 17.956 | 17.926 | 17.985 | VV | 19745  | 619619  | 11.05% | 0.415% |
| 284 | 18.054 | 17.985 | 18.086 | VV | 32711  | 1324052 | 23.62% | 0.886% |
| 285 | 18.097 | 18.086 | 18.115 | VV | 16806  | 269249  | 4.80%  | 0.180% |
|     |        |        |        |    |        |         |        |        |
| 286 | 18.199 | 18.115 | 18.281 | VV | 35386  | 2254049 | 40.21% | 1.509% |
| 287 | 18.294 | 18.281 | 18.320 | VV | 19402  | 430534  | 7.68%  | 0.288% |
| 288 | 18.379 | 18.320 | 18.422 | VV | 28523  | 1341175 | 23.93% | 0.898% |
| 289 | 18.438 | 18.422 | 18.447 | VV | 22803  | 330677  | 5.90%  | 0.221% |
| 290 | 18.478 | 18.447 | 18.504 | VV | 28299  | 830708  | 14.82% | 0.556% |
|     |        |        |        |    |        |         |        |        |
| 291 | 18.567 | 18.504 | 18.591 | VV | 38719  | 1367851 | 24.40% | 0.916% |
| 292 | 18.601 | 18.591 | 18.621 | VV | 25368  | 421483  | 7.52%  | 0.282% |
| 293 | 18.632 | 18.621 | 18.659 | VV | 24213  | 513416  | 9.16%  | 0.344% |
| 294 | 18.717 | 18.659 | 18.752 | VV | 25921  | 1294233 | 23.09% | 0.866% |
| 295 | 18.759 | 18.752 | 18.767 | VV | 23903  | 209926  | 3.75%  | 0.141% |
|     |        |        |        |    |        |         |        |        |
| 296 | 18.787 | 18.767 | 18.826 | VV | 25080  | 808337  | 14.42% | 0.541% |
| 297 | 18.854 | 18.826 | 18.865 | VV | 25978  | 535351  | 9.55%  | 0.358% |
| 298 | 18.892 | 18.865 | 18.965 | VV | 43521  | 1870557 | 33.37% | 1.252% |
| 299 | 18.989 | 18.965 | 19.009 | VV | 37994  | 842212  | 15.03% | 0.564% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 300 | 19.040 | 19.009 | 19.108 | VV | 37402  | 1764318 | 31.48% | 1.181% |
| 301 | 19.162 | 19.108 | 19.205 | VV | 31311  | 1649091 | 29.42% | 1.104% |
| 302 | 19.211 | 19.205 | 19.221 | VV | 28249  | 276889  | 4.94%  | 0.185% |
| 303 | 19.245 | 19.221 | 19.258 | VV | 31314  | 656444  | 11.71% | 0.439% |
| 304 | 19.294 | 19.258 | 19.307 | VV | 39208  | 995690  | 17.76% | 0.666% |
| 305 | 19.321 | 19.307 | 19.363 | VV | 38810  | 1159112 | 20.68% | 0.776% |
| 306 | 19.391 | 19.363 | 19.435 | VV | 37853  | 1449870 | 25.87% | 0.970% |
| 307 | 19.456 | 19.435 | 19.463 | VV | 32188  | 533623  | 9.52%  | 0.357% |
| 308 | 19.480 | 19.463 | 19.490 | VV | 33341  | 517699  | 9.24%  | 0.347% |
| 309 | 19.511 | 19.490 | 19.527 | VV | 34746  | 729532  | 13.02% | 0.488% |
| 310 | 19.564 | 19.527 | 19.585 | VV | 34380  | 1165920 | 20.80% | 0.780% |
| 311 | 19.600 | 19.585 | 19.615 | VV | 34376  | 594606  | 10.61% | 0.398% |
| 312 | 19.700 | 19.615 | 19.734 | VV | 44446  | 2736681 | 48.82% | 1.832% |
| 313 | 19.754 | 19.734 | 19.768 | VV | 36567  | 727981  | 12.99% | 0.487% |
| 314 | 19.795 | 19.768 | 19.831 | VV | 42397  | 1483929 | 26.47% | 0.993% |
| 315 | 19.860 | 19.831 | 19.870 | VV | 40417  | 913863  | 16.30% | 0.612% |
| 316 | 19.968 | 19.870 | 19.985 | VV | 43074  | 2839549 | 50.66% | 1.901% |
| 317 | 20.051 | 19.985 | 20.078 | VV | 51317  | 2615065 | 46.65% | 1.750% |
| 318 | 20.098 | 20.078 | 20.130 | VV | 50847  | 1475550 | 26.32% | 0.988% |
| 319 | 20.205 | 20.130 | 20.231 | VV | 49899  | 2780877 | 49.61% | 1.861% |
| 320 | 20.322 | 20.231 | 20.342 | VV | 56465  | 3384139 | 60.38% | 2.265% |
| 321 | 20.352 | 20.342 | 20.378 | VV | 52161  | 1103580 | 19.69% | 0.739% |
| 322 | 20.421 | 20.378 | 20.451 | VV | 58293  | 2348060 | 41.89% | 1.572% |
| 323 | 20.487 | 20.451 | 20.541 | VV | 60884  | 2986029 | 53.27% | 1.999% |
| 324 | 20.561 | 20.541 | 20.578 | VV | 57655  | 1243254 | 22.18% | 0.832% |
| 325 | 20.617 | 20.578 | 20.651 | VV | 60883  | 2564771 | 45.76% | 1.717% |
| 326 | 20.702 | 20.651 | 20.727 | VV | 57541  | 2571346 | 45.87% | 1.721% |
| 327 | 20.777 | 20.727 | 20.801 | VV | 62509  | 2581113 | 46.05% | 1.728% |
| 328 | 20.821 | 20.801 | 20.858 | VV | 57000  | 1861327 | 33.21% | 1.246% |
| 329 | 20.880 | 20.858 | 20.890 | VV | 56111  | 1070298 | 19.09% | 0.716% |
| 330 | 20.900 | 20.890 | 20.941 | VV | 55628  | 1603828 | 28.61% | 1.074% |
| 331 | 20.964 | 20.941 | 20.986 | VV | 50283  | 1318367 | 23.52% | 0.882% |
| 332 | 21.008 | 20.986 | 21.048 | VV | 49656  | 1788108 | 31.90% | 1.197% |
| 333 | 21.053 | 21.048 | 21.091 | VV | 47374  | 1187577 | 21.19% | 0.795% |
| 334 | 21.111 | 21.091 | 21.135 | VV | 45672  | 1166762 | 20.82% | 0.781% |
| 335 | 21.158 | 21.135 | 21.218 | VV | 46315  | 2088533 | 37.26% | 1.398% |
| 336 | 21.230 | 21.218 | 21.247 | VV | 39140  | 658378  | 11.75% | 0.441% |
| 337 | 21.267 | 21.247 | 21.280 | VV | 38183  | 739442  | 13.19% | 0.495% |
| 338 | 21.298 | 21.280 | 21.317 | VV | 37793  | 807750  | 14.41% | 0.541% |
| 339 | 21.341 | 21.317 | 21.372 | VV | 37126  | 1149672 | 20.51% | 0.770% |
| 340 | 21.385 | 21.372 | 21.405 | VV | 33372  | 647462  | 11.55% | 0.433% |
| 341 | 21.412 | 21.405 | 21.445 | VV | 32870  | 746237  | 13.31% | 0.499% |
| 342 | 21.463 | 21.445 | 21.512 | VV | 29812  | 1143141 | 20.39% | 0.765% |
| 343 | 21.526 | 21.512 | 21.549 | VV | 27338  | 590867  | 10.54% | 0.395% |
| 344 | 21.585 | 21.549 | 21.629 | VV | 30756  | 1267447 | 22.61% | 0.848% |
| 345 | 21.641 | 21.629 | 21.685 | VV | 22652  | 695509  | 12.41% | 0.466% |
| 346 | 21.706 | 21.685 | 21.761 | VV | 21265  | 849698  | 15.16% | 0.569% |
| 347 | 21.770 | 21.761 | 21.845 | VV | 16933  | 750858  | 13.40% | 0.503% |
| 348 | 21.856 | 21.845 | 21.865 | VV | 13361  | 152489  | 2.72%  | 0.102% |
| 349 | 21.904 | 21.865 | 21.988 | VV | 13339  | 815833  | 14.56% | 0.546% |
| 350 | 22.016 | 21.988 | 22.034 | VV | 7674   | 190790  | 3.40%  | 0.128% |
| 351 | 22.062 | 22.034 | 22.141 | VV | 8402   | 313271  | 5.59%  | 0.210% |

352 22.165 22.141 22.174 VV rteres 698 9222 0.16% 0.006%  
Sum of corrected areas: 149400677

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