

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE062325AL\  
 Data File : FE054546.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Jun 2025 18:27  
 Sample : Q2381-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 061025.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         | 2.887       | 2.821        | 2.923      | BV       | 82             | 2505         | 0.02%          | 0.000%        |
| 2         | 2.935       | 2.923        | 2.947      | PV       | 96             | 918          | 0.01%          | 0.000%        |
| 3         | 3.002       | 2.947        | 3.104      | VV       | 1317           | 34669        | 0.22%          | 0.006%        |
| 4         | 3.164       | 3.104        | 3.201      | VV       | 808            | 20148        | 0.13%          | 0.003%        |
| 5         | 3.211       | 3.201        | 3.228      | VV       | 264            | 3360         | 0.02%          | 0.001%        |
| 6         | 3.235       | 3.228        | 3.248      | VV       | 274            | 2506         | 0.02%          | 0.000%        |
| 7         | 3.258       | 3.248        | 3.272      | VV       | 258            | 2549         | 0.02%          | 0.000%        |
| 8         | 3.300       | 3.272        | 3.331      | VV       | 350            | 10067        | 0.06%          | 0.002%        |
| 9         | 3.361       | 3.331        | 3.436      | VV       | 19563          | 220867       | 1.42%          | 0.038%        |
| 10        | 3.466       | 3.436        | 3.503      | VV       | 504            | 17239        | 0.11%          | 0.003%        |
| 11        | 3.522       | 3.503        | 3.542      | VV       | 680            | 11068        | 0.07%          | 0.002%        |
| 12        | 3.579       | 3.542        | 3.600      | VV       | 943            | 19120        | 0.12%          | 0.003%        |
| 13        | 3.623       | 3.600        | 3.638      | VV       | 1177           | 19030        | 0.12%          | 0.003%        |
| 14        | 3.659       | 3.638        | 3.755      | VV       | 12221          | 209906       | 1.35%          | 0.036%        |
| 15        | 3.778       | 3.755        | 3.827      | VV       | 8672           | 141493       | 0.91%          | 0.024%        |
| 16        | 3.855       | 3.827        | 3.965      | VV       | 45368          | 592906       | 3.82%          | 0.101%        |
| 17        | 3.973       | 3.965        | 3.988      | VV       | 1450           | 19369        | 0.12%          | 0.003%        |
| 18        | 4.007       | 3.988        | 4.075      | VV       | 1299           | 57356        | 0.37%          | 0.010%        |
| 19        | 4.081       | 4.075        | 4.140      | VV       | 952            | 32998        | 0.21%          | 0.006%        |
| 20        | 4.174       | 4.140        | 4.194      | VV       | 2817           | 54336        | 0.35%          | 0.009%        |
| 21        | 4.210       | 4.194        | 4.287      | VV       | 2289           | 66873        | 0.43%          | 0.011%        |
| 22        | 4.305       | 4.287        | 4.409      | VV       | 1279           | 56044        | 0.36%          | 0.010%        |
| 23        | 4.436       | 4.409        | 4.495      | VV       | 842            | 31928        | 0.21%          | 0.005%        |
| 24        | 4.518       | 4.495        | 4.541      | VV       | 569            | 13595        | 0.09%          | 0.002%        |
| 25        | 4.559       | 4.541        | 4.600      | VV       | 544            | 17213        | 0.11%          | 0.003%        |
| 26        | 4.624       | 4.600        | 4.648      | VV       | 550            | 13635        | 0.09%          | 0.002%        |
| 27        | 4.678       | 4.648        | 4.786      | VV       | 688            | 39948        | 0.26%          | 0.007%        |
| 28        | 4.797       | 4.786        | 4.911      | VV       | 436            | 21006        | 0.14%          | 0.004%        |
| 29        | 4.922       | 4.911        | 4.970      | VV       | 325            | 9382         | 0.06%          | 0.002%        |
| 30        | 4.985       | 4.970        | 5.001      | VV       | 289            | 4422         | 0.03%          | 0.001%        |
| 31        | 5.017       | 5.001        | 5.045      | VV       | 236            | 4900         | 0.03%          | 0.001%        |
| 32        | 5.084       | 5.045        | 5.135      | VV       | 254            | 9955         | 0.06%          | 0.002%        |
| 33        | 5.182       | 5.135        | 5.250      | VV       | 234            | 10102        | 0.07%          | 0.002%        |
| 34        | 5.262       | 5.250        | 5.269      | VV       | 135            | 766          | 0.00%          | 0.000%        |
| 35        | 5.290       | 5.269        | 5.325      | VV       | 159            | 3304         | 0.02%          | 0.001%        |
| 36        | 5.330       | 5.325        | 5.368      | VV       | 128            | 1926         | 0.01%          | 0.000%        |

|    |       |       |       |    |        |         |        |        |
|----|-------|-------|-------|----|--------|---------|--------|--------|
|    |       |       |       |    | rteres |         |        |        |
| 37 | 5.433 | 5.368 | 5.482 | PV | 593    | 13820   | 0.09%  | 0.002% |
| 38 | 5.507 | 5.482 | 5.531 | VV | 211    | 3638    | 0.02%  | 0.001% |
| 39 | 5.582 | 5.531 | 5.601 | VV | 243    | 4798    | 0.03%  | 0.001% |
| 40 | 5.617 | 5.601 | 5.675 | VV | 612    | 9192    | 0.06%  | 0.002% |
| 41 | 5.697 | 5.675 | 5.709 | PV | 160    | 1994    | 0.01%  | 0.000% |
| 42 | 5.759 | 5.709 | 5.813 | VV | 552    | 11429   | 0.07%  | 0.002% |
| 43 | 5.824 | 5.813 | 5.851 | VV | 153    | 2005    | 0.01%  | 0.000% |
| 44 | 5.868 | 5.851 | 5.914 | PV | 179    | 3418    | 0.02%  | 0.001% |
| 45 | 5.940 | 5.914 | 6.000 | VV | 208    | 7530    | 0.05%  | 0.001% |
| 46 | 6.011 | 6.000 | 6.028 | VV | 127    | 1278    | 0.01%  | 0.000% |
| 47 | 6.053 | 6.028 | 6.061 | PV | 91     | 1238    | 0.01%  | 0.000% |
| 48 | 6.082 | 6.061 | 6.135 | PV | 1273   | 17635   | 0.11%  | 0.003% |
| 49 | 6.179 | 6.135 | 6.204 | VV | 543    | 17079   | 0.11%  | 0.003% |
| 50 | 6.242 | 6.204 | 6.275 | VV | 1419   | 26527   | 0.17%  | 0.005% |
| 51 | 6.293 | 6.275 | 6.309 | VV | 945    | 11711   | 0.08%  | 0.002% |
| 52 | 6.340 | 6.309 | 6.368 | VV | 694    | 17131   | 0.11%  | 0.003% |
| 53 | 6.394 | 6.368 | 6.415 | VV | 1269   | 15382   | 0.10%  | 0.003% |
| 54 | 6.431 | 6.415 | 6.451 | VV | 265    | 3082    | 0.02%  | 0.001% |
| 55 | 6.516 | 6.451 | 6.528 | PV | 1010   | 21440   | 0.14%  | 0.004% |
| 56 | 6.546 | 6.528 | 6.596 | VV | 2409   | 42720   | 0.28%  | 0.007% |
| 57 | 6.614 | 6.596 | 6.627 | VV | 339    | 4971    | 0.03%  | 0.001% |
| 58 | 6.648 | 6.627 | 6.669 | VV | 2023   | 22350   | 0.14%  | 0.004% |
| 59 | 6.692 | 6.669 | 6.729 | VV | 2556   | 37899   | 0.24%  | 0.006% |
| 60 | 6.758 | 6.729 | 6.777 | VV | 2337   | 30790   | 0.20%  | 0.005% |
| 61 | 6.793 | 6.777 | 6.825 | VV | 1114   | 20342   | 0.13%  | 0.003% |
| 62 | 6.865 | 6.825 | 6.904 | VV | 1722   | 40159   | 0.26%  | 0.007% |
| 63 | 6.935 | 6.904 | 6.952 | VV | 2306   | 41484   | 0.27%  | 0.007% |
| 64 | 6.975 | 6.952 | 6.992 | VV | 3240   | 44584   | 0.29%  | 0.008% |
| 65 | 7.015 | 6.992 | 7.032 | VV | 2776   | 49773   | 0.32%  | 0.009% |
| 66 | 7.043 | 7.032 | 7.057 | VV | 2257   | 26293   | 0.17%  | 0.004% |
| 67 | 7.076 | 7.057 | 7.094 | VV | 4662   | 60101   | 0.39%  | 0.010% |
| 68 | 7.112 | 7.094 | 7.130 | VV | 3826   | 57882   | 0.37%  | 0.010% |
| 69 | 7.140 | 7.130 | 7.148 | VV | 2467   | 27108   | 0.17%  | 0.005% |
| 70 | 7.180 | 7.148 | 7.204 | VV | 5001   | 109333  | 0.70%  | 0.019% |
| 71 | 7.234 | 7.204 | 7.250 | VV | 4590   | 86844   | 0.56%  | 0.015% |
| 72 | 7.274 | 7.250 | 7.290 | VV | 6329   | 108328  | 0.70%  | 0.019% |
| 73 | 7.330 | 7.290 | 7.388 | VV | 6856   | 283402  | 1.83%  | 0.048% |
| 74 | 7.436 | 7.388 | 7.492 | VV | 8553   | 364733  | 2.35%  | 0.062% |
| 75 | 7.519 | 7.492 | 7.529 | VV | 7890   | 136209  | 0.88%  | 0.023% |
| 76 | 7.562 | 7.529 | 7.578 | VV | 12419  | 284934  | 1.84%  | 0.049% |
| 77 | 7.593 | 7.578 | 7.611 | VV | 10153  | 192360  | 1.24%  | 0.033% |
| 78 | 7.625 | 7.611 | 7.653 | VV | 12513  | 260835  | 1.68%  | 0.045% |
| 79 | 7.674 | 7.653 | 7.686 | VV | 11287  | 209214  | 1.35%  | 0.036% |
| 80 | 7.714 | 7.686 | 7.732 | VV | 16623  | 383443  | 2.47%  | 0.066% |
| 81 | 7.740 | 7.732 | 7.767 | VV | 13665  | 260589  | 1.68%  | 0.045% |
| 82 | 7.846 | 7.767 | 7.856 | VV | 26695  | 899750  | 5.80%  | 0.154% |
| 83 | 7.938 | 7.925 | 7.959 | VV | 30391  | 542120  | 3.50%  | 0.093% |
| 84 | 7.996 | 7.959 | 8.009 | VV | 28177  | 750462  | 4.84%  | 0.128% |
| 85 | 8.041 | 8.009 | 8.066 | VV | 29389  | 874440  | 5.64%  | 0.150% |
| 86 | 8.112 | 8.066 | 8.121 | VV | 29254  | 845662  | 5.45%  | 0.145% |
| 87 | 8.136 | 8.121 | 8.151 | VV | 32907  | 545455  | 3.52%  | 0.093% |
| 88 | 8.175 | 8.151 | 8.221 | VV | 72916  | 1729165 | 11.15% | 0.296% |
| 89 | 8.242 | 8.221 | 8.260 | VV | 40029  | 767421  | 4.95%  | 0.131% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 90  | 8.281  | 8.260  | 8.297  | VV | 38211  | 740599  | 4.77%  | 0.127% |
| 91  | 8.321  | 8.297  | 8.348  | VV | 55531  | 1297533 | 8.37%  | 0.222% |
| 92  | 8.366  | 8.348  | 8.381  | VV | 42257  | 781514  | 5.04%  | 0.134% |
| 93  | 8.420  | 8.381  | 8.434  | VV | 45903  | 1339701 | 8.64%  | 0.229% |
| 94  | 8.453  | 8.434  | 8.488  | VV | 48394  | 1434247 | 9.25%  | 0.245% |
| 95  | 8.522  | 8.488  | 8.538  | VV | 51473  | 1383036 | 8.92%  | 0.237% |
| 96  | 8.602  | 8.538  | 8.648  | VV | 96346  | 3952577 | 25.48% | 0.676% |
| 97  | 8.671  | 8.648  | 8.681  | VV | 58953  | 1070948 | 6.90%  | 0.183% |
| 98  | 8.705  | 8.681  | 8.740  | VV | 76432  | 2226181 | 14.35% | 0.381% |
| 99  | 8.831  | 8.809  | 8.857  | VV | 97780  | 2352336 | 15.17% | 0.402% |
| 100 | 8.872  | 8.857  | 8.883  | VV | 78209  | 1201928 | 7.75%  | 0.206% |
| 101 | 8.903  | 8.883  | 8.924  | VV | 109262 | 2279313 | 14.69% | 0.390% |
| 102 | 8.939  | 8.924  | 8.951  | VV | 97323  | 1435394 | 9.25%  | 0.245% |
| 103 | 8.968  | 8.951  | 8.995  | VV | 129298 | 2529602 | 16.31% | 0.433% |
| 104 | 9.015  | 8.995  | 9.024  | VV | 76279  | 1311951 | 8.46%  | 0.224% |
| 105 | 9.043  | 9.024  | 9.050  | VV | 76463  | 1149472 | 7.41%  | 0.197% |
| 106 | 9.071  | 9.050  | 9.084  | VV | 93728  | 1739370 | 11.21% | 0.297% |
| 107 | 9.099  | 9.084  | 9.117  | VV | 96880  | 1750920 | 11.29% | 0.299% |
| 108 | 9.137  | 9.117  | 9.156  | VV | 91477  | 1926642 | 12.42% | 0.329% |
| 109 | 9.195  | 9.156  | 9.221  | VV | 113878 | 3516865 | 22.67% | 0.601% |
| 110 | 9.240  | 9.221  | 9.275  | VV | 85985  | 2658089 | 17.14% | 0.455% |
| 111 | 9.289  | 9.275  | 9.301  | VV | 82152  | 1234197 | 7.96%  | 0.211% |
| 112 | 9.357  | 9.301  | 9.385  | VV | 92583  | 4469804 | 28.82% | 0.764% |
| 113 | 9.406  | 9.385  | 9.425  | VV | 94466  | 2100274 | 13.54% | 0.359% |
| 114 | 9.437  | 9.425  | 9.458  | VV | 92889  | 1829940 | 11.80% | 0.313% |
| 115 | 9.483  | 9.458  | 9.503  | VV | 113903 | 2742294 | 17.68% | 0.469% |
| 116 | 9.520  | 9.503  | 9.541  | VV | 105340 | 2257103 | 14.55% | 0.386% |
| 117 | 9.582  | 9.541  | 9.603  | VV | 120038 | 3987876 | 25.71% | 0.682% |
| 118 | 9.636  | 9.603  | 9.646  | VV | 119136 | 2844135 | 18.34% | 0.486% |
| 119 | 9.665  | 9.646  | 9.696  | VV | 147884 | 3698605 | 23.84% | 0.632% |
| 120 | 9.741  | 9.696  | 9.791  | VV | 128744 | 6545816 | 42.20% | 1.119% |
| 121 | 9.828  | 9.791  | 9.858  | VV | 119776 | 4648054 | 29.97% | 0.795% |
| 122 | 9.890  | 9.858  | 9.904  | VV | 121449 | 3170937 | 20.44% | 0.542% |
| 123 | 9.940  | 9.904  | 9.980  | VV | 139374 | 5708851 | 36.80% | 0.976% |
| 124 | 10.021 | 9.980  | 10.048 | VV | 127034 | 4966872 | 32.02% | 0.849% |
| 125 | 10.071 | 10.048 | 10.089 | VV | 129294 | 3060238 | 19.73% | 0.523% |
| 126 | 10.107 | 10.089 | 10.120 | VV | 127188 | 2325503 | 14.99% | 0.398% |
| 127 | 10.160 | 10.120 | 10.198 | VV | 139729 | 6053488 | 39.03% | 1.035% |
| 128 | 10.214 | 10.198 | 10.228 | VV | 131423 | 2334738 | 15.05% | 0.399% |
| 129 | 10.250 | 10.228 | 10.277 | VV | 141913 | 4014639 | 25.88% | 0.687% |
| 130 | 10.327 | 10.277 | 10.345 | VV | 146771 | 5794562 | 37.36% | 0.991% |
| 131 | 10.376 | 10.345 | 10.391 | VV | 152327 | 4113751 | 26.52% | 0.703% |
| 132 | 10.409 | 10.391 | 10.428 | VV | 159510 | 3362110 | 21.68% | 0.575% |
| 133 | 10.454 | 10.428 | 10.471 | VV | 159976 | 3945220 | 25.43% | 0.675% |
| 134 | 10.489 | 10.471 | 10.507 | VV | 162536 | 3455828 | 22.28% | 0.591% |
| 135 | 10.537 | 10.507 | 10.562 | VV | 173253 | 5444813 | 35.10% | 0.931% |
| 136 | 10.602 | 10.562 | 10.624 | VV | 172849 | 6190579 | 39.91% | 1.059% |
| 137 | 10.667 | 10.624 | 10.678 | VV | 168271 | 5299373 | 34.16% | 0.906% |
| 138 | 10.701 | 10.678 | 10.723 | VV | 175963 | 4571635 | 29.47% | 0.782% |
| 139 | 10.736 | 10.723 | 10.751 | VV | 170576 | 2867385 | 18.49% | 0.490% |
| 140 | 10.807 | 10.751 | 10.824 | VV | 177500 | 7459400 | 48.09% | 1.276% |
| 141 | 10.856 | 10.824 | 10.863 | VV | 188212 | 4315399 | 27.82% | 0.738% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 142    | 10.881 | 10.863 | 10.906 | VV | 193288 | 4818734  | 31.07%  | 0.824% |
| 143    | 10.930 | 10.906 | 10.981 | VV | 189319 | 8403675  | 54.18%  | 1.437% |
| 144    | 11.003 | 10.981 | 11.017 | VV | 189208 | 4020016  | 25.92%  | 0.687% |
| 145    | 11.038 | 11.017 | 11.049 | VV | 196950 | 3651271  | 23.54%  | 0.624% |
| 146    | 11.070 | 11.049 | 11.103 | VV | 214494 | 6509490  | 41.97%  | 1.113% |
| 147    | 11.127 | 11.103 | 11.139 | VV | 201879 | 4176804  | 26.93%  | 0.714% |
| 148    | 11.155 | 11.139 | 11.171 | VV | 204231 | 3902791  | 25.16%  | 0.667% |
| 149    | 11.180 | 11.171 | 11.202 | VV | 201846 | 3697265  | 23.84%  | 0.632% |
| 150    | 11.219 | 11.202 | 11.265 | VV | 205741 | 7510406  | 48.42%  | 1.284% |
| 151    | 11.290 | 11.265 | 11.327 | VV | 210238 | 7576553  | 48.85%  | 1.296% |
| 152    | 11.340 | 11.327 | 11.372 | VV | 210079 | 5557989  | 35.83%  | 0.950% |
| 153    | 11.408 | 11.372 | 11.424 | VV | 205946 | 6360214  | 41.00%  | 1.088% |
| 154    | 11.482 | 11.424 | 11.518 | VV | 212077 | 11585342 | 74.69%  | 1.981% |
| 155    | 11.534 | 11.518 | 11.555 | VV | 206815 | 4489219  | 28.94%  | 0.768% |
| 156    | 11.603 | 11.555 | 11.646 | VV | 215638 | 11386080 | 73.41%  | 1.947% |
| 157    | 11.671 | 11.646 | 11.691 | VV | 207242 | 5473481  | 35.29%  | 0.936% |
| 158    | 11.714 | 11.691 | 11.734 | VV | 207538 | 5258170  | 33.90%  | 0.899% |
| 159    | 11.750 | 11.734 | 11.783 | VV | 210732 | 6114000  | 39.42%  | 1.046% |
| 160    | 11.829 | 11.783 | 11.861 | VV | 662298 | 14752842 | 95.11%  | 2.523% |
| 161    | 11.879 | 11.861 | 11.896 | VV | 219956 | 4563536  | 29.42%  | 0.780% |
| 162    | 11.916 | 11.896 | 11.938 | VV | 216934 | 5225147  | 33.69%  | 0.894% |
| 163    | 11.958 | 11.938 | 11.975 | VV | 215710 | 4776015  | 30.79%  | 0.817% |
| 164    | 12.007 | 11.975 | 12.048 | VV | 219357 | 9351871  | 60.29%  | 1.599% |
| 165    | 12.059 | 12.048 | 12.100 | VV | 216553 | 6501813  | 41.92%  | 1.112% |
| 166    | 12.123 | 12.100 | 12.144 | VV | 222320 | 5586183  | 36.01%  | 0.955% |
| 167    | 12.175 | 12.144 | 12.205 | VV | 208284 | 7371094  | 47.52%  | 1.260% |
| 168    | 12.245 | 12.205 | 12.255 | VV | 200994 | 5921550  | 38.18%  | 1.013% |
| 169    | 12.279 | 12.255 | 12.353 | VV | 206298 | 11837821 | 76.32%  | 2.024% |
| 170    | 12.385 | 12.353 | 12.415 | VV | 199617 | 7282042  | 46.95%  | 1.245% |
| 171    | 12.439 | 12.415 | 12.448 | VV | 204408 | 3943404  | 25.42%  | 0.674% |
| 172    | 12.457 | 12.448 | 12.475 | VV | 206989 | 3262947  | 21.04%  | 0.558% |
| 173    | 12.490 | 12.475 | 12.525 | VV | 206028 | 6084798  | 39.23%  | 1.041% |
| 174    | 12.542 | 12.525 | 12.557 | VV | 195656 | 3627267  | 23.38%  | 0.620% |
| 175    | 12.574 | 12.557 | 12.631 | VV | 199855 | 8321041  | 53.65%  | 1.423% |
| 176    | 12.675 | 12.631 | 12.711 | VV | 185757 | 8550761  | 55.13%  | 1.462% |
| 177    | 12.755 | 12.711 | 12.809 | VV | 177042 | 10219404 | 65.88%  | 1.748% |
| 178    | 12.837 | 12.809 | 12.858 | VV | 173072 | 4955667  | 31.95%  | 0.847% |
| 179    | 12.866 | 12.858 | 12.870 | VV | 167728 | 1244035  | 8.02%   | 0.213% |
| 180    | 12.896 | 12.870 | 13.019 | VV | 255283 | 15511156 | 100.00% | 2.652% |
| 181    | 13.037 | 13.019 | 13.071 | VV | 157015 | 4726707  | 30.47%  | 0.808% |
| 182    | 13.084 | 13.071 | 13.115 | VV | 152963 | 3930050  | 25.34%  | 0.672% |
| 183    | 13.145 | 13.115 | 13.171 | VV | 146283 | 4798732  | 30.94%  | 0.821% |
| 184    | 13.194 | 13.171 | 13.233 | VV | 217880 | 6181160  | 39.85%  | 1.057% |
| 185    | 13.273 | 13.233 | 13.306 | VV | 449946 | 9883517  | 63.72%  | 1.690% |
| 186    | 13.314 | 13.306 | 13.338 | VV | 133275 | 2507010  | 16.16%  | 0.429% |
| 187    | 13.366 | 13.338 | 13.401 | VV | 132251 | 4865379  | 31.37%  | 0.832% |
| 188    | 13.411 | 13.401 | 13.425 | VV | 125686 | 1729379  | 11.15%  | 0.296% |
| 189    | 13.440 | 13.425 | 13.461 | VV | 125203 | 2699663  | 17.40%  | 0.462% |
| 190    | 13.477 | 13.461 | 13.621 | VV | 124732 | 11133852 | 71.78%  | 1.904% |
| 191    | 13.658 | 13.621 | 13.744 | VV | 111183 | 7779145  | 50.15%  | 1.330% |
| 192    | 13.755 | 13.744 | 13.770 | VV | 101122 | 1543164  | 9.95%   | 0.264% |
| 193    | 13.787 | 13.770 | 13.836 | VV | 102331 | 3852461  | 24.84%  | 0.659% |
| 194    | 13.850 | 13.836 | 13.865 | VV | 92557  | 1543040  | 9.95%   | 0.264% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 13.898 | 13.865 | 13.918 | VV | 91675  | 2844950 | 18.34% | 0.486% |
| 196 | 13.936 | 13.918 | 13.991 | VV | 91192  | 3768286 | 24.29% | 0.644% |
| 197 | 14.021 | 13.991 | 14.051 | VV | 83260  | 2897030 | 18.68% | 0.495% |
| 198 | 14.065 | 14.051 | 14.095 | VV | 81423  | 2013253 | 12.98% | 0.344% |
| 199 | 14.104 | 14.095 | 14.158 | VV | 74694  | 2712741 | 17.49% | 0.464% |
| 200 | 14.168 | 14.158 | 14.213 | VV | 69518  | 2220422 | 14.31% | 0.380% |
| 201 | 14.229 | 14.213 | 14.281 | VV | 66189  | 2562731 | 16.52% | 0.438% |
| 202 | 14.290 | 14.281 | 14.421 | VV | 59710  | 4615174 | 29.75% | 0.789% |
| 203 | 14.431 | 14.421 | 14.510 | VV | 52469  | 2632931 | 16.97% | 0.450% |
| 204 | 14.524 | 14.510 | 14.537 | VV | 47982  | 760667  | 4.90%  | 0.130% |
| 205 | 14.549 | 14.537 | 14.575 | VV | 48391  | 1035751 | 6.68%  | 0.177% |
| 206 | 14.587 | 14.575 | 14.612 | VV | 44617  | 959380  | 6.19%  | 0.164% |
| 207 | 14.641 | 14.612 | 14.688 | VV | 41460  | 1802507 | 11.62% | 0.308% |
| 208 | 14.710 | 14.688 | 14.741 | VV | 42905  | 1244547 | 8.02%  | 0.213% |
| 209 | 14.768 | 14.741 | 14.808 | VV | 43394  | 1489947 | 9.61%  | 0.255% |
| 210 | 14.828 | 14.808 | 14.847 | VV | 33529  | 753047  | 4.85%  | 0.129% |
| 211 | 14.864 | 14.847 | 14.908 | VV | 32234  | 1084993 | 6.99%  | 0.186% |
| 212 | 14.917 | 14.908 | 14.941 | VV | 27248  | 527713  | 3.40%  | 0.090% |
| 213 | 14.961 | 14.941 | 15.023 | VV | 26195  | 1158289 | 7.47%  | 0.198% |
| 214 | 15.082 | 15.023 | 15.102 | VV | 62302  | 1571056 | 10.13% | 0.269% |
| 215 | 15.122 | 15.102 | 15.208 | VV | 64229  | 1915547 | 12.35% | 0.328% |
| 216 | 15.242 | 15.208 | 15.263 | VV | 21264  | 607934  | 3.92%  | 0.104% |
| 217 | 15.275 | 15.263 | 15.373 | VV | 18504  | 972648  | 6.27%  | 0.166% |
| 218 | 15.383 | 15.373 | 15.395 | VV | 13067  | 166070  | 1.07%  | 0.028% |
| 219 | 15.431 | 15.395 | 15.501 | VV | 15586  | 778421  | 5.02%  | 0.133% |
| 220 | 15.527 | 15.501 | 15.619 | VV | 25192  | 978000  | 6.31%  | 0.167% |
| 221 | 15.648 | 15.619 | 15.684 | VV | 12334  | 383832  | 2.47%  | 0.066% |
| 222 | 15.713 | 15.684 | 15.737 | VV | 16263  | 349565  | 2.25%  | 0.060% |
| 223 | 15.759 | 15.737 | 15.782 | VV | 15978  | 311155  | 2.01%  | 0.053% |
| 224 | 15.797 | 15.782 | 15.834 | VV | 10176  | 253445  | 1.63%  | 0.043% |
| 225 | 15.857 | 15.834 | 15.877 | VV | 6612   | 160287  | 1.03%  | 0.027% |
| 226 | 15.903 | 15.877 | 15.968 | VV | 10223  | 409725  | 2.64%  | 0.070% |
| 227 | 15.989 | 15.968 | 16.024 | VV | 5814   | 159819  | 1.03%  | 0.027% |
| 228 | 16.040 | 16.024 | 16.064 | VV | 4008   | 90639   | 0.58%  | 0.015% |
| 229 | 16.083 | 16.064 | 16.130 | VV | 4404   | 144728  | 0.93%  | 0.025% |
| 230 | 16.152 | 16.130 | 16.200 | VV | 6691   | 184612  | 1.19%  | 0.032% |
| 231 | 16.214 | 16.200 | 16.255 | VV | 3640   | 91561   | 0.59%  | 0.016% |
| 232 | 16.263 | 16.255 | 16.309 | VV | 1840   | 46282   | 0.30%  | 0.008% |
| 233 | 16.351 | 16.309 | 16.383 | VV | 2822   | 75284   | 0.49%  | 0.013% |
| 234 | 16.472 | 16.383 | 16.503 | VV | 50755  | 822105  | 5.30%  | 0.141% |
| 235 | 16.544 | 16.503 | 16.591 | VV | 13133  | 357030  | 2.30%  | 0.061% |
| 236 | 16.648 | 16.591 | 16.756 | VV | 70989  | 1805549 | 11.64% | 0.309% |
| 237 | 16.783 | 16.756 | 16.870 | VV | 11295  | 235464  | 1.52%  | 0.040% |
| 238 | 16.922 | 16.870 | 16.945 | PV | 12491  | 196600  | 1.27%  | 0.034% |
| 239 | 16.972 | 16.945 | 17.006 | VV | 37082  | 566871  | 3.65%  | 0.097% |
| 240 | 17.035 | 17.006 | 17.084 | VV | 42263  | 762789  | 4.92%  | 0.130% |
| 241 | 17.100 | 17.084 | 17.118 | VV | 5945   | 98414   | 0.63%  | 0.017% |
| 242 | 17.142 | 17.118 | 17.160 | VV | 14316  | 231274  | 1.49%  | 0.040% |
| 243 | 17.180 | 17.160 | 17.235 | VV | 22106  | 337353  | 2.17%  | 0.058% |
| 244 | 17.280 | 17.235 | 17.319 | VV | 3951   | 111457  | 0.72%  | 0.019% |
| 245 | 17.337 | 17.319 | 17.356 | VV | 1661   | 23043   | 0.15%  | 0.004% |
| 246 | 17.424 | 17.356 | 17.455 | VV | 4293   | 148108  | 0.95%  | 0.025% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 247 | 17.488 | 17.455 | 17.528 | VV | 26070  | 662442  | 4.27%  | 0.113% |
| 248 | 17.553 | 17.528 | 17.601 | VV | 25206  | 492108  | 3.17%  | 0.084% |
| 249 | 17.625 | 17.601 | 17.676 | VV | 5712   | 168942  | 1.09%  | 0.029% |
| 250 | 17.711 | 17.676 | 17.792 | VV | 4800   | 171123  | 1.10%  | 0.029% |
|     |        |        |        |    |        |         |        |        |
| 251 | 17.828 | 17.792 | 17.855 | PV | 1495   | 30679   | 0.20%  | 0.005% |
| 252 | 17.877 | 17.855 | 17.897 | VV | 1320   | 20668   | 0.13%  | 0.004% |
| 253 | 17.912 | 17.897 | 17.928 | VV | 776    | 10360   | 0.07%  | 0.002% |
| 254 | 17.991 | 17.928 | 18.039 | VV | 7118   | 161128  | 1.04%  | 0.028% |
| 255 | 18.081 | 18.039 | 18.105 | VV | 13657  | 238951  | 1.54%  | 0.041% |
|     |        |        |        |    |        |         |        |        |
| 256 | 18.127 | 18.105 | 18.151 | VV | 6822   | 129272  | 0.83%  | 0.022% |
| 257 | 18.216 | 18.151 | 18.263 | VV | 6992   | 207469  | 1.34%  | 0.035% |
| 258 | 18.316 | 18.263 | 18.344 | VV | 10963  | 269502  | 1.74%  | 0.046% |
| 259 | 18.368 | 18.344 | 18.385 | VV | 12226  | 240854  | 1.55%  | 0.041% |
| 260 | 18.418 | 18.385 | 18.535 | VV | 50766  | 1400512 | 9.03%  | 0.239% |
|     |        |        |        |    |        |         |        |        |
| 261 | 18.562 | 18.535 | 18.570 | VV | 4456   | 69720   | 0.45%  | 0.012% |
| 262 | 18.584 | 18.570 | 18.617 | VV | 4481   | 89263   | 0.58%  | 0.015% |
| 263 | 18.642 | 18.617 | 18.653 | VV | 1614   | 28265   | 0.18%  | 0.005% |
| 264 | 18.682 | 18.653 | 18.743 | VV | 18978  | 397553  | 2.56%  | 0.068% |
| 265 | 18.823 | 18.743 | 18.888 | VV | 14214  | 491034  | 3.17%  | 0.084% |
|     |        |        |        |    |        |         |        |        |
| 266 | 18.926 | 18.888 | 18.950 | VV | 12622  | 217328  | 1.40%  | 0.037% |
| 267 | 18.961 | 18.950 | 18.985 | VV | 5103   | 95943   | 0.62%  | 0.016% |
| 268 | 19.003 | 18.985 | 19.041 | VV | 3669   | 77964   | 0.50%  | 0.013% |
| 269 | 19.132 | 19.041 | 19.152 | VV | 6969   | 172095  | 1.11%  | 0.029% |
| 270 | 19.195 | 19.152 | 19.204 | VV | 27224  | 511812  | 3.30%  | 0.088% |
|     |        |        |        |    |        |         |        |        |
| 271 | 19.220 | 19.204 | 19.276 | VV | 31400  | 780845  | 5.03%  | 0.134% |
| 272 | 19.310 | 19.276 | 19.327 | VV | 11556  | 268368  | 1.73%  | 0.046% |
| 273 | 19.366 | 19.327 | 19.418 | VV | 15003  | 550649  | 3.55%  | 0.094% |
| 274 | 19.476 | 19.418 | 19.503 | VV | 21632  | 511719  | 3.30%  | 0.088% |
| 275 | 19.522 | 19.503 | 19.551 | VV | 6377   | 146292  | 0.94%  | 0.025% |
|     |        |        |        |    |        |         |        |        |
| 276 | 19.622 | 19.551 | 19.648 | VV | 9044   | 333540  | 2.15%  | 0.057% |
| 277 | 19.679 | 19.648 | 19.705 | VV | 22972  | 489287  | 3.15%  | 0.084% |
| 278 | 19.717 | 19.705 | 19.768 | VV | 13694  | 339354  | 2.19%  | 0.058% |
| 279 | 19.860 | 19.768 | 19.881 | VV | 10394  | 538953  | 3.47%  | 0.092% |
| 280 | 19.898 | 19.881 | 19.908 | VV | 10149  | 160675  | 1.04%  | 0.027% |
|     |        |        |        |    |        |         |        |        |
| 281 | 19.953 | 19.908 | 19.969 | VV | 17711  | 487768  | 3.14%  | 0.083% |
| 282 | 19.984 | 19.969 | 20.004 | VV | 16437  | 316636  | 2.04%  | 0.054% |
| 283 | 20.018 | 20.004 | 20.069 | VV | 14538  | 467299  | 3.01%  | 0.080% |
| 284 | 20.079 | 20.069 | 20.088 | VV | 8896   | 102577  | 0.66%  | 0.018% |
| 285 | 20.134 | 20.088 | 20.158 | VV | 12579  | 455880  | 2.94%  | 0.078% |
|     |        |        |        |    |        |         |        |        |
| 286 | 20.177 | 20.158 | 20.205 | VV | 11077  | 290006  | 1.87%  | 0.050% |
| 287 | 20.249 | 20.205 | 20.293 | VV | 19105  | 803873  | 5.18%  | 0.137% |
| 288 | 20.351 | 20.293 | 20.397 | VV | 15909  | 922126  | 5.94%  | 0.158% |
| 289 | 20.415 | 20.397 | 20.434 | VV | 14419  | 309191  | 1.99%  | 0.053% |
| 290 | 20.507 | 20.434 | 20.528 | VV | 18418  | 906358  | 5.84%  | 0.155% |
|     |        |        |        |    |        |         |        |        |
| 291 | 20.652 | 20.528 | 20.678 | VV | 19619  | 1625418 | 10.48% | 0.278% |
| 292 | 20.751 | 20.678 | 20.781 | VV | 21619  | 1246085 | 8.03%  | 0.213% |
| 293 | 20.873 | 20.781 | 20.901 | VV | 21861  | 1519626 | 9.80%  | 0.260% |
| 294 | 20.977 | 20.901 | 21.008 | VV | 20782  | 1316955 | 8.49%  | 0.225% |
| 295 | 21.018 | 21.008 | 21.039 | VV | 18910  | 346778  | 2.24%  | 0.059% |
|     |        |        |        |    |        |         |        |        |
| 296 | 21.077 | 21.039 | 21.110 | VV | 19663  | 796411  | 5.13%  | 0.136% |
| 297 | 21.193 | 21.110 | 21.257 | VV | 17671  | 1517045 | 9.78%  | 0.259% |
| 298 | 21.325 | 21.257 | 21.335 | VV | 16101  | 751553  | 4.85%  | 0.129% |
| 299 | 21.382 | 21.335 | 21.419 | VV | 16481  | 807864  | 5.21%  | 0.138% |

|     |        |        |        |    |        |         |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
|     |        |        |        |    | rteres |         |       |        |
| 300 | 21.427 | 21.419 | 21.468 | VV | 15292  | 430194  | 2.77% | 0.074% |
| 301 | 21.497 | 21.468 | 21.522 | VV | 14897  | 471270  | 3.04% | 0.081% |
| 302 | 21.532 | 21.522 | 21.648 | VV | 13893  | 943729  | 6.08% | 0.161% |
| 303 | 21.808 | 21.648 | 21.848 | VV | 12652  | 1461213 | 9.42% | 0.250% |
| 304 | 21.939 | 21.848 | 22.111 | VV | 11605  | 1412947 | 9.11% | 0.242% |
| 305 | 22.216 | 22.111 | 22.400 | VV | 5535   | 621781  | 4.01% | 0.106% |

Sum of corrected areas: 584791958

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