

rteres  
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC051619AL\  
Data File : FC041241.D  
Signal(s) : FID1A.CH  
Acq On : 17 May 2019 00:59  
Sample : K2866-01MS  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 051519.M  
Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.478       | 3.422        | 3.572      | BV       | 296081         | 2412691      | 8.62%          | 0.168%        |
| 2         | 3.608       | 3.572        | 3.649      | PV       | 442            | 10094        | 0.04%          | 0.001%        |
| 3         | 3.679       | 3.649        | 3.722      | VV       | 354            | 7970         | 0.03%          | 0.001%        |
| 4         | 3.775       | 3.722        | 3.791      | VV       | 797            | 15077        | 0.05%          | 0.001%        |
| 5         | 3.801       | 3.791        | 3.827      | VV       | 355            | 5398         | 0.02%          | 0.000%        |
| 6         | 3.854       | 3.827        | 3.881      | VV       | 515            | 9972         | 0.04%          | 0.001%        |
| 7         | 3.892       | 3.881        | 3.911      | VV       | 445            | 4569         | 0.02%          | 0.000%        |
| 8         | 3.927       | 3.911        | 3.940      | VV       | 354            | 3535         | 0.01%          | 0.000%        |
| 9         | 3.952       | 3.940        | 3.962      | PV       | 198            | 1943         | 0.01%          | 0.000%        |
| 10        | 3.978       | 3.962        | 3.989      | VV       | 790            | 7401         | 0.03%          | 0.001%        |
| 11        | 3.997       | 3.989        | 4.016      | VV       | 594            | 5067         | 0.02%          | 0.000%        |
| 12        | 4.029       | 4.016        | 4.044      | VV       | 438            | 4103         | 0.01%          | 0.000%        |
| 13        | 4.061       | 4.044        | 4.071      | VV       | 1193           | 10961        | 0.04%          | 0.001%        |
| 14        | 4.081       | 4.071        | 4.114      | VV       | 1220           | 19710        | 0.07%          | 0.001%        |
| 15        | 4.128       | 4.114        | 4.138      | VV       | 1354           | 12769        | 0.05%          | 0.001%        |
| 16        | 4.156       | 4.138        | 4.191      | VV       | 3784           | 43760        | 0.16%          | 0.003%        |
| 17        | 4.198       | 4.191        | 4.228      | VV       | 501            | 9514         | 0.03%          | 0.001%        |
| 18        | 4.248       | 4.228        | 4.271      | VV       | 624            | 10205        | 0.04%          | 0.001%        |
| 19        | 4.278       | 4.271        | 4.289      | VV       | 274            | 2476         | 0.01%          | 0.000%        |
| 20        | 4.317       | 4.289        | 4.342      | VV       | 9507           | 89769        | 0.32%          | 0.006%        |
| 21        | 4.359       | 4.342        | 4.385      | VV       | 829            | 13495        | 0.05%          | 0.001%        |
| 22        | 4.398       | 4.385        | 4.439      | VV       | 618            | 8597         | 0.03%          | 0.001%        |
| 23        | 4.471       | 4.439        | 4.491      | PV       | 686            | 10359        | 0.04%          | 0.001%        |
| 24        | 4.510       | 4.491        | 4.519      | VV       | 537            | 6286         | 0.02%          | 0.000%        |
| 25        | 4.550       | 4.519        | 4.573      | VV       | 361071         | 3158603      | 11.29%         | 0.220%        |
| 26        | 4.596       | 4.573        | 4.624      | VV       | 391487         | 3357957      | 12.00%         | 0.234%        |
| 27        | 4.638       | 4.624        | 4.676      | VV       | 1739           | 27774        | 0.10%          | 0.002%        |
| 28        | 4.703       | 4.676        | 4.739      | PV       | 2899           | 33075        | 0.12%          | 0.002%        |
| 29        | 4.754       | 4.739        | 4.772      | VV       | 987            | 12465        | 0.04%          | 0.001%        |
| 30        | 4.802       | 4.772        | 4.817      | VV       | 936            | 17340        | 0.06%          | 0.001%        |

|    |       |       |       |    |        |         | rtres  |        |
|----|-------|-------|-------|----|--------|---------|--------|--------|
| 31 | 4.836 | 4.817 | 4.861 | VV | 1179   | 13958   | 0.05%  | 0.001% |
| 32 | 4.882 | 4.861 | 4.890 | VV | 688    | 7942    | 0.03%  | 0.001% |
| 33 | 4.904 | 4.890 | 4.916 | VV | 1322   | 12374   | 0.04%  | 0.001% |
| 34 | 4.932 | 4.916 | 4.949 | VV | 2157   | 21880   | 0.08%  | 0.002% |
| 35 | 4.969 | 4.949 | 4.989 | VV | 2047   | 25367   | 0.09%  | 0.002% |
| 36 | 5.004 | 4.989 | 5.021 | VV | 3194   | 30632   | 0.11%  | 0.002% |
| 37 | 5.031 | 5.021 | 5.051 | VV | 1302   | 13328   | 0.05%  | 0.001% |
| 38 | 5.082 | 5.051 | 5.127 | VV | 1547   | 22559   | 0.08%  | 0.002% |
| 39 | 5.155 | 5.127 | 5.166 | VV | 663    | 11585   | 0.04%  | 0.001% |
| 40 | 5.191 | 5.166 | 5.199 | VV | 3266   | 35888   | 0.13%  | 0.002% |
| 41 | 5.206 | 5.199 | 5.229 | VV | 3327   | 31093   | 0.11%  | 0.002% |
| 42 | 5.246 | 5.229 | 5.254 | VV | 1675   | 16513   | 0.06%  | 0.001% |
| 43 | 5.270 | 5.254 | 5.309 | VV | 6409   | 82893   | 0.30%  | 0.006% |
| 44 | 5.322 | 5.309 | 5.340 | VV | 1166   | 11690   | 0.04%  | 0.001% |
| 45 | 5.364 | 5.340 | 5.380 | PV | 559    | 9182    | 0.03%  | 0.001% |
| 46 | 5.402 | 5.380 | 5.416 | VV | 1391   | 16152   | 0.06%  | 0.001% |
| 47 | 5.426 | 5.416 | 5.442 | VV | 700    | 8957    | 0.03%  | 0.001% |
| 48 | 5.463 | 5.442 | 5.472 | VV | 2014   | 22743   | 0.08%  | 0.002% |
| 49 | 5.487 | 5.472 | 5.561 | VV | 3896   | 57820   | 0.21%  | 0.004% |
| 50 | 5.588 | 5.561 | 5.605 | VV | 6595   | 75492   | 0.27%  | 0.005% |
| 51 | 5.622 | 5.605 | 5.640 | VV | 8533   | 80657   | 0.29%  | 0.006% |
| 52 | 5.656 | 5.640 | 5.686 | VV | 4374   | 44832   | 0.16%  | 0.003% |
| 53 | 5.694 | 5.686 | 5.706 | VV | 826    | 7402    | 0.03%  | 0.001% |
| 54 | 5.719 | 5.706 | 5.753 | VV | 936    | 15442   | 0.06%  | 0.001% |
| 55 | 5.778 | 5.753 | 5.813 | PV | 5808   | 86355   | 0.31%  | 0.006% |
| 56 | 5.834 | 5.813 | 5.847 | VV | 1107   | 17859   | 0.06%  | 0.001% |
| 57 | 5.873 | 5.847 | 5.906 | VV | 3727   | 62751   | 0.22%  | 0.004% |
| 58 | 5.924 | 5.906 | 5.942 | VV | 2754   | 27966   | 0.10%  | 0.002% |
| 59 | 5.962 | 5.942 | 5.974 | VV | 1412   | 19549   | 0.07%  | 0.001% |
| 60 | 5.996 | 5.974 | 6.026 | VV | 1804   | 35526   | 0.13%  | 0.002% |
| 61 | 6.040 | 6.026 | 6.054 | VV | 1012   | 12118   | 0.04%  | 0.001% |
| 62 | 6.084 | 6.054 | 6.092 | VV | 2029   | 28460   | 0.10%  | 0.002% |
| 63 | 6.140 | 6.092 | 6.169 | VV | 504862 | 4614528 | 16.49% | 0.321% |
| 64 | 6.184 | 6.169 | 6.200 | VV | 3354   | 48922   | 0.17%  | 0.003% |
| 65 | 6.211 | 6.200 | 6.221 | VV | 2550   | 26688   | 0.10%  | 0.002% |
| 66 | 6.242 | 6.221 | 6.266 | VV | 6642   | 97376   | 0.35%  | 0.007% |
| 67 | 6.288 | 6.266 | 6.304 | VV | 5264   | 79070   | 0.28%  | 0.006% |
| 68 | 6.329 | 6.304 | 6.361 | VV | 4147   | 102679  | 0.37%  | 0.007% |
| 69 | 6.384 | 6.361 | 6.422 | VV | 5307   | 115171  | 0.41%  | 0.008% |
| 70 | 6.448 | 6.422 | 6.463 | VV | 2426   | 50487   | 0.18%  | 0.004% |
| 71 | 6.494 | 6.463 | 6.515 | VV | 6924   | 137679  | 0.49%  | 0.010% |
| 72 | 6.562 | 6.515 | 6.599 | VV | 446699 | 4398621 | 15.72% | 0.306% |
| 73 | 6.627 | 6.599 | 6.648 | VV | 7685   | 120290  | 0.43%  | 0.008% |
| 74 | 6.669 | 6.648 | 6.696 | VV | 8531   | 166021  | 0.59%  | 0.012% |
| 75 | 6.707 | 6.696 | 6.718 | VV | 8233   | 95501   | 0.34%  | 0.007% |
| 76 | 6.730 | 6.718 | 6.742 | VV | 7989   | 100267  | 0.36%  | 0.007% |
| 77 | 6.765 | 6.742 | 6.788 | VV | 9253   | 181769  | 0.65%  | 0.013% |

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|-----|-------|-------|-------|----|--------|----------|--------|--------|
| 78  | 6.836 | 6.788 | 6.859 | VV | 10579  | 238026   | 0.85%  | 0.017% |
| 79  | 6.901 | 6.859 | 6.919 | VV | 10596  | 266158   | 0.95%  | 0.019% |
| 80  | 6.939 | 6.919 | 6.954 | VV | 10606  | 178615   | 0.64%  | 0.012% |
| 81  | 6.973 | 6.954 | 6.991 | VV | 11032  | 195947   | 0.70%  | 0.014% |
| 82  | 7.004 | 6.991 | 7.015 | VV | 9247   | 118955   | 0.43%  | 0.008% |
| 83  | 7.036 | 7.015 | 7.051 | VV | 14377  | 234521   | 0.84%  | 0.016% |
| 84  | 7.068 | 7.051 | 7.082 | VV | 14958  | 223539   | 0.80%  | 0.016% |
| 85  | 7.097 | 7.082 | 7.106 | VV | 13653  | 177804   | 0.64%  | 0.012% |
| 86  | 7.124 | 7.106 | 7.156 | VV | 16177  | 401134   | 1.43%  | 0.028% |
| 87  | 7.193 | 7.156 | 7.216 | VV | 543652 | 5395004  | 19.28% | 0.376% |
| 88  | 7.227 | 7.216 | 7.245 | VV | 19081  | 292447   | 1.05%  | 0.020% |
| 89  | 7.282 | 7.245 | 7.312 | VV | 20311  | 679884   | 2.43%  | 0.047% |
| 90  | 7.325 | 7.312 | 7.339 | VV | 16328  | 216267   | 0.77%  | 0.015% |
| 91  | 7.372 | 7.339 | 7.387 | VV | 24179  | 505136   | 1.81%  | 0.035% |
| 92  | 7.403 | 7.387 | 7.431 | VV | 20902  | 453118   | 1.62%  | 0.032% |
| 93  | 7.478 | 7.431 | 7.493 | VV | 23219  | 732200   | 2.62%  | 0.051% |
| 94  | 7.508 | 7.493 | 7.522 | VV | 23736  | 367792   | 1.31%  | 0.026% |
| 95  | 7.536 | 7.522 | 7.549 | VV | 22253  | 335695   | 1.20%  | 0.023% |
| 96  | 7.574 | 7.549 | 7.595 | VV | 25804  | 643711   | 2.30%  | 0.045% |
| 97  | 7.622 | 7.595 | 7.631 | VV | 25557  | 502906   | 1.80%  | 0.035% |
| 98  | 7.668 | 7.631 | 7.732 | VV | 34174  | 1604332  | 5.73%  | 0.112% |
| 99  | 7.751 | 7.732 | 7.762 | VV | 32448  | 483004   | 1.73%  | 0.034% |
| 100 | 7.799 | 7.762 | 7.854 | VV | 552700 | 6955198  | 24.86% | 0.484% |
| 101 | 7.878 | 7.854 | 7.896 | VV | 36620  | 815666   | 2.92%  | 0.057% |
| 102 | 7.925 | 7.896 | 7.961 | VV | 54534  | 1676569  | 5.99%  | 0.117% |
| 103 | 7.971 | 7.961 | 7.994 | VV | 44676  | 797829   | 2.85%  | 0.056% |
| 104 | 8.065 | 7.994 | 8.081 | VV | 56678  | 2338274  | 8.36%  | 0.163% |
| 105 | 8.102 | 8.081 | 8.149 | VV | 112571 | 2619811  | 9.36%  | 0.182% |
| 106 | 8.169 | 8.149 | 8.189 | VV | 72650  | 1414059  | 5.05%  | 0.098% |
| 107 | 8.208 | 8.189 | 8.221 | VV | 61215  | 1081897  | 3.87%  | 0.075% |
| 108 | 8.246 | 8.221 | 8.274 | VV | 80668  | 2103434  | 7.52%  | 0.146% |
| 109 | 8.287 | 8.274 | 8.301 | VV | 70577  | 1037916  | 3.71%  | 0.072% |
| 110 | 8.311 | 8.301 | 8.322 | VV | 62927  | 767768   | 2.74%  | 0.053% |
| 111 | 8.354 | 8.322 | 8.392 | VV | 527095 | 7533615  | 26.93% | 0.524% |
| 112 | 8.410 | 8.392 | 8.426 | VV | 96114  | 1609418  | 5.75%  | 0.112% |
| 113 | 8.473 | 8.426 | 8.496 | VV | 597626 | 8308693  | 29.70% | 0.578% |
| 114 | 8.525 | 8.496 | 8.560 | VV | 221028 | 4730393  | 16.91% | 0.329% |
| 115 | 8.578 | 8.560 | 8.591 | VV | 85194  | 1470391  | 5.26%  | 0.102% |
| 116 | 8.625 | 8.591 | 8.645 | VV | 122473 | 3377697  | 12.07% | 0.235% |
| 117 | 8.671 | 8.645 | 8.691 | VV | 415639 | 5679784  | 20.30% | 0.395% |
| 118 | 8.709 | 8.691 | 8.729 | VV | 103490 | 2167518  | 7.75%  | 0.151% |
| 119 | 8.770 | 8.729 | 8.801 | VV | 689167 | 10780644 | 38.53% | 0.750% |
| 120 | 8.822 | 8.801 | 8.844 | VV | 306788 | 5002064  | 17.88% | 0.348% |
| 121 | 8.860 | 8.844 | 8.868 | VV | 165024 | 2177791  | 7.78%  | 0.152% |
| 122 | 8.886 | 8.868 | 8.910 | VV | 278172 | 4658021  | 16.65% | 0.324% |
| 123 | 8.924 | 8.910 | 8.945 | VV | 124645 | 2496127  | 8.92%  | 0.174% |
| 124 | 8.971 | 8.945 | 8.981 | VV | 143315 | 2754914  | 9.85%  | 0.192% |

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|-----|--------|--------|--------|----|--------|----------|--------|--------|
| 125 | 8.994  | 8.981  | 9.009  | VV | 160294 | 2571637  | 9.19%  | 0.179% |
| 126 | 9.020  | 9.009  | 9.072  | VV | 153529 | 5383911  | 19.24% | 0.375% |
| 127 | 9.105  | 9.072  | 9.136  | VV | 186967 | 5946703  | 21.25% | 0.414% |
| 128 | 9.150  | 9.136  | 9.157  | VV | 153786 | 1932387  | 6.91%  | 0.135% |
| 129 | 9.170  | 9.157  | 9.187  | VV | 155853 | 2608094  | 9.32%  | 0.182% |
| 130 | 9.219  | 9.187  | 9.234  | VV | 157318 | 4115257  | 14.71% | 0.286% |
| 131 | 9.260  | 9.234  | 9.284  | VV | 169341 | 4676457  | 16.71% | 0.326% |
| 132 | 9.302  | 9.284  | 9.310  | VV | 150138 | 2348851  | 8.40%  | 0.164% |
| 133 | 9.329  | 9.310  | 9.352  | VV | 163633 | 3841491  | 13.73% | 0.267% |
| 134 | 9.396  | 9.352  | 9.422  | VV | 185108 | 6911594  | 24.70% | 0.481% |
| 135 | 9.433  | 9.422  | 9.447  | VV | 168972 | 2493713  | 8.91%  | 0.174% |
| 136 | 9.496  | 9.447  | 9.521  | VV | 229417 | 8647648  | 30.91% | 0.602% |
| 137 | 9.553  | 9.521  | 9.568  | VV | 763480 | 11493849 | 41.08% | 0.800% |
| 138 | 9.578  | 9.568  | 9.605  | VV | 395641 | 6186034  | 22.11% | 0.431% |
| 139 | 9.629  | 9.605  | 9.641  | VV | 237756 | 4477955  | 16.00% | 0.312% |
| 140 | 9.655  | 9.641  | 9.677  | VV | 239911 | 4791830  | 17.13% | 0.334% |
| 141 | 9.684  | 9.677  | 9.694  | VV | 200573 | 1975517  | 7.06%  | 0.138% |
| 142 | 9.708  | 9.694  | 9.724  | VV | 220690 | 3786863  | 13.53% | 0.264% |
| 143 | 9.745  | 9.724  | 9.762  | VV | 217308 | 4746133  | 16.96% | 0.330% |
| 144 | 9.777  | 9.762  | 9.817  | VV | 215360 | 6767646  | 24.19% | 0.471% |
| 145 | 9.860  | 9.817  | 9.889  | VV | 220324 | 8919952  | 31.88% | 0.621% |
| 146 | 9.907  | 9.889  | 9.915  | VV | 225438 | 3500124  | 12.51% | 0.244% |
| 147 | 9.952  | 9.915  | 9.994  | VV | 645859 | 15243095 | 54.48% | 1.061% |
| 148 | 10.009 | 9.994  | 10.024 | VV | 233073 | 4110022  | 14.69% | 0.286% |
| 149 | 10.055 | 10.024 | 10.101 | VV | 247089 | 10771062 | 38.50% | 0.750% |
| 150 | 10.129 | 10.101 | 10.144 | VV | 267905 | 6364352  | 22.75% | 0.443% |
| 151 | 10.169 | 10.144 | 10.183 | VV | 252672 | 5855678  | 20.93% | 0.408% |
| 152 | 10.195 | 10.183 | 10.212 | VV | 250932 | 4272749  | 15.27% | 0.297% |
| 153 | 10.228 | 10.212 | 10.244 | VV | 265913 | 4809145  | 17.19% | 0.335% |
| 154 | 10.294 | 10.244 | 10.313 | VV | 273830 | 10832490 | 38.72% | 0.754% |
| 155 | 10.340 | 10.313 | 10.366 | VV | 353179 | 9591125  | 34.28% | 0.668% |
| 156 | 10.400 | 10.366 | 10.415 | VV | 309670 | 8793256  | 31.43% | 0.612% |
| 157 | 10.427 | 10.415 | 10.455 | VV | 310564 | 7169307  | 25.62% | 0.499% |
| 158 | 10.491 | 10.455 | 10.516 | VV | 324500 | 10836505 | 38.73% | 0.754% |
| 159 | 10.552 | 10.516 | 10.570 | VV | 298287 | 9408409  | 33.63% | 0.655% |
| 160 | 10.617 | 10.570 | 10.651 | VV | 327130 | 14830374 | 53.01% | 1.032% |
| 161 | 10.694 | 10.651 | 10.701 | VV | 329584 | 9586996  | 34.26% | 0.667% |
| 162 | 10.719 | 10.701 | 10.733 | VV | 370854 | 6646495  | 23.76% | 0.463% |
| 163 | 10.762 | 10.733 | 10.789 | VV | 445636 | 12704979 | 45.41% | 0.884% |
| 164 | 10.805 | 10.789 | 10.846 | VV | 363900 | 11683261 | 41.76% | 0.813% |
| 165 | 10.865 | 10.846 | 10.877 | VV | 335305 | 6193601  | 22.14% | 0.431% |
| 166 | 10.898 | 10.877 | 10.915 | VV | 352834 | 7717078  | 27.58% | 0.537% |
| 167 | 10.957 | 10.915 | 10.997 | VV | 855661 | 23227407 | 83.02% | 1.617% |
| 168 | 11.033 | 10.997 | 11.061 | VV | 892753 | 19432536 | 69.45% | 1.353% |
| 169 | 11.083 | 11.061 | 11.102 | VV | 388848 | 9395474  | 33.58% | 0.654% |
| 170 | 11.120 | 11.102 | 11.149 | VV | 373300 | 10287847 | 36.77% | 0.716% |

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|-----|--------|--------|--------|----|--------|----------|---------|--------|
| 171 | 11.175 | 11.149 | 11.192 | VV | 401640 | 9885391  | 35.33%  | 0.688% |
| 172 | 11.200 | 11.192 | 11.211 | VV | 388452 | 4216801  | 15.07%  | 0.294% |
| 173 | 11.257 | 11.211 | 11.274 | VV | 403740 | 14982648 | 53.55%  | 1.043% |
| 174 | 11.282 | 11.274 | 11.319 | VV | 390359 | 10440653 | 37.32%  | 0.727% |
| 175 | 11.346 | 11.319 | 11.354 | VV | 408413 | 8444862  | 30.18%  | 0.588% |
| 176 | 11.394 | 11.354 | 11.435 | VV | 825635 | 24371004 | 87.10%  | 1.697% |
| 177 | 11.445 | 11.435 | 11.457 | VV | 393208 | 5058056  | 18.08%  | 0.352% |
| 178 | 11.483 | 11.457 | 11.531 | VV | 499004 | 18638493 | 66.62%  | 1.297% |
| 179 | 11.546 | 11.531 | 11.572 | VV | 408129 | 9856925  | 35.23%  | 0.686% |
| 180 | 11.592 | 11.572 | 11.617 | VV | 404013 | 10645151 | 38.05%  | 0.741% |
| 181 | 11.636 | 11.617 | 11.652 | VV | 415908 | 8526366  | 30.47%  | 0.594% |
| 182 | 11.717 | 11.652 | 11.746 | VV | 890108 | 27979136 | 100.00% | 1.948% |
| 183 | 11.772 | 11.746 | 11.824 | VV | 444533 | 19789631 | 70.73%  | 1.378% |
| 184 | 11.867 | 11.824 | 11.883 | VV | 453176 | 15360179 | 54.90%  | 1.069% |
| 185 | 11.907 | 11.883 | 11.926 | VV | 476486 | 11330160 | 40.50%  | 0.789% |
| 186 | 11.945 | 11.926 | 11.994 | VV | 453457 | 17626658 | 63.00%  | 1.227% |
| 187 | 12.028 | 11.994 | 12.066 | VV | 477572 | 19161099 | 68.48%  | 1.334% |
| 188 | 12.078 | 12.066 | 12.106 | VV | 437536 | 9941007  | 35.53%  | 0.692% |
| 189 | 12.138 | 12.106 | 12.152 | VV | 418934 | 11399074 | 40.74%  | 0.794% |
| 190 | 12.191 | 12.152 | 12.251 | VV | 440609 | 24827938 | 88.74%  | 1.728% |
| 191 | 12.308 | 12.251 | 12.354 | VV | 427431 | 25714151 | 91.90%  | 1.790% |
| 192 | 12.375 | 12.354 | 12.396 | VV | 439310 | 10507066 | 37.55%  | 0.731% |
| 193 | 12.404 | 12.396 | 12.427 | VV | 419661 | 7661471  | 27.38%  | 0.533% |
| 194 | 12.471 | 12.427 | 12.484 | VV | 420715 | 13971291 | 49.93%  | 0.973% |
| 195 | 12.495 | 12.484 | 12.519 | VV | 415224 | 8518901  | 30.45%  | 0.593% |
| 196 | 12.555 | 12.519 | 12.601 | VV | 419852 | 19249011 | 68.80%  | 1.340% |
| 197 | 12.630 | 12.601 | 12.642 | VV | 398045 | 9789417  | 34.99%  | 0.681% |
| 198 | 12.659 | 12.642 | 12.676 | VV | 413654 | 8036334  | 28.72%  | 0.559% |
| 199 | 12.700 | 12.676 | 12.742 | VV | 798774 | 20009370 | 71.52%  | 1.393% |
| 200 | 12.779 | 12.742 | 12.802 | VV | 892857 | 19456623 | 69.54%  | 1.354% |
| 201 | 12.818 | 12.802 | 12.891 | VV | 389555 | 19785667 | 70.72%  | 1.377% |
| 202 | 12.903 | 12.891 | 12.916 | VV | 358628 | 5334755  | 19.07%  | 0.371% |
| 203 | 12.929 | 12.916 | 12.951 | VV | 358723 | 7424127  | 26.53%  | 0.517% |
| 204 | 12.976 | 12.951 | 13.003 | VV | 357816 | 11013583 | 39.36%  | 0.767% |
| 205 | 13.023 | 13.003 | 13.049 | VV | 355023 | 9593419  | 34.29%  | 0.668% |
| 206 | 13.078 | 13.049 | 13.102 | VV | 841281 | 16747356 | 59.86%  | 1.166% |
| 207 | 13.142 | 13.102 | 13.172 | VV | 654853 | 18045960 | 64.50%  | 1.256% |
| 208 | 13.192 | 13.172 | 13.209 | VV | 345524 | 7442900  | 26.60%  | 0.518% |
| 209 | 13.221 | 13.209 | 13.242 | VV | 333892 | 6616395  | 23.65%  | 0.461% |
| 210 | 13.252 | 13.242 | 13.280 | VV | 340759 | 7402981  | 26.46%  | 0.515% |
| 211 | 13.308 | 13.280 | 13.338 | VV | 719286 | 15861570 | 56.69%  | 1.104% |
| 212 | 13.352 | 13.338 | 13.379 | VV | 324805 | 7725537  | 27.61%  | 0.538% |
| 213 | 13.394 | 13.379 | 13.416 | VV | 324384 | 6932484  | 24.78%  | 0.483% |
| 214 | 13.424 | 13.416 | 13.444 | VV | 305808 | 5166063  | 18.46%  | 0.360% |
| 215 | 13.457 | 13.444 | 13.474 | VV | 309487 | 5505466  | 19.68%  | 0.383% |
| 216 | 13.488 | 13.474 | 13.507 | VV | 316696 | 6054303  | 21.64%  | 0.421% |
| 217 | 13.533 | 13.507 | 13.561 | VV | 311601 | 9606141  | 34.33%  | 0.669% |

|     |        |        |        |    |         |          | rtres  |        |
|-----|--------|--------|--------|----|---------|----------|--------|--------|
| 218 | 13.575 | 13.561 | 13.601 | VV | 298088  | 7069643  | 25.27% | 0.492% |
| 219 | 13.627 | 13.601 | 13.672 | VV | 300811  | 12417248 | 44.38% | 0.864% |
| 220 | 13.693 | 13.672 | 13.707 | VV | 286711  | 5868208  | 20.97% | 0.408% |
| 221 | 13.720 | 13.707 | 13.746 | VV | 284218  | 6396396  | 22.86% | 0.445% |
| 222 | 13.761 | 13.746 | 13.784 | VV | 284026  | 6359090  | 22.73% | 0.443% |
| 223 | 13.795 | 13.784 | 13.837 | VV | 278746  | 8593671  | 30.71% | 0.598% |
| 224 | 13.890 | 13.837 | 13.934 | VV | 634908  | 19587147 | 70.01% | 1.363% |
| 225 | 13.956 | 13.934 | 13.997 | VV | 255375  | 9320409  | 33.31% | 0.649% |
| 226 | 14.011 | 13.997 | 14.026 | VV | 243214  | 4116407  | 14.71% | 0.287% |
| 227 | 14.034 | 14.026 | 14.091 | VV | 247444  | 9285833  | 33.19% | 0.646% |
| 228 | 14.117 | 14.091 | 14.151 | VV | 249352  | 8628099  | 30.84% | 0.601% |
| 229 | 14.181 | 14.151 | 14.212 | VV | 236682  | 8256879  | 29.51% | 0.575% |
| 230 | 14.219 | 14.212 | 14.252 | VV | 221771  | 5167312  | 18.47% | 0.360% |
| 231 | 14.266 | 14.252 | 14.316 | VV | 218227  | 8064403  | 28.82% | 0.561% |
| 232 | 14.338 | 14.316 | 14.392 | VV | 222760  | 9472442  | 33.86% | 0.659% |
| 233 | 14.411 | 14.392 | 14.477 | VV | 203705  | 9741999  | 34.82% | 0.678% |
| 234 | 14.484 | 14.477 | 14.494 | VV | 187326  | 1849606  | 6.61%  | 0.129% |
| 235 | 14.516 | 14.494 | 14.532 | VV | 188975  | 4272808  | 15.27% | 0.297% |
| 236 | 14.540 | 14.532 | 14.558 | VV | 188014  | 2907380  | 10.39% | 0.202% |
| 237 | 14.578 | 14.558 | 14.647 | VV | 192786  | 9468779  | 33.84% | 0.659% |
| 238 | 14.655 | 14.647 | 14.667 | VV | 165934  | 1986990  | 7.10%  | 0.138% |
| 239 | 14.684 | 14.667 | 14.694 | VV | 164141  | 2613019  | 9.34%  | 0.182% |
| 240 | 14.715 | 14.694 | 14.776 | VV | 169323  | 7861476  | 28.10% | 0.547% |
| 241 | 14.796 | 14.776 | 14.832 | VV | 161207  | 5194863  | 18.57% | 0.362% |
| 242 | 14.841 | 14.832 | 14.864 | VV | 146618  | 2740772  | 9.80%  | 0.191% |
| 243 | 14.879 | 14.864 | 14.912 | VV | 148542  | 4210637  | 15.05% | 0.293% |
| 244 | 14.945 | 14.912 | 14.963 | VV | 562089  | 9922905  | 35.47% | 0.691% |
| 245 | 14.988 | 14.963 | 15.014 | VV | 1002878 | 14552498 | 52.01% | 1.013% |
| 246 | 15.024 | 15.014 | 15.107 | VV | 135071  | 7121125  | 25.45% | 0.496% |
| 247 | 15.131 | 15.107 | 15.172 | VV | 133611  | 4815263  | 17.21% | 0.335% |
| 248 | 15.178 | 15.172 | 15.226 | VV | 113492  | 3565080  | 12.74% | 0.248% |
| 249 | 15.234 | 15.226 | 15.296 | VV | 110550  | 4415500  | 15.78% | 0.307% |
| 250 | 15.315 | 15.296 | 15.354 | VV | 103939  | 3516170  | 12.57% | 0.245% |
| 251 | 15.373 | 15.354 | 15.407 | VV | 102424  | 3157275  | 11.28% | 0.220% |
| 252 | 15.424 | 15.407 | 15.473 | VV | 102146  | 3846675  | 13.75% | 0.268% |
| 253 | 15.505 | 15.473 | 15.571 | VV | 94686   | 5285172  | 18.89% | 0.368% |
| 254 | 15.581 | 15.571 | 15.629 | VV | 84566   | 2796481  | 9.99%  | 0.195% |
| 255 | 15.654 | 15.629 | 15.722 | VV | 80720   | 4229677  | 15.12% | 0.294% |
| 256 | 15.745 | 15.722 | 15.759 | VV | 74683   | 1596618  | 5.71%  | 0.111% |
| 257 | 15.771 | 15.759 | 15.795 | VV | 74676   | 1563255  | 5.59%  | 0.109% |
| 258 | 15.813 | 15.795 | 15.836 | VV | 74104   | 1743213  | 6.23%  | 0.121% |
| 259 | 15.842 | 15.836 | 15.872 | VV | 70934   | 1500818  | 5.36%  | 0.104% |
| 260 | 15.880 | 15.872 | 15.892 | VV | 66617   | 784867   | 2.81%  | 0.055% |
| 261 | 15.898 | 15.892 | 15.919 | VV | 66047   | 1018980  | 3.64%  | 0.071% |
| 262 | 15.925 | 15.919 | 15.948 | VV | 63579   | 1084922  | 3.88%  | 0.076% |
| 263 | 16.003 | 15.948 | 16.084 | VV | 421964  | 9565852  | 34.19% | 0.666% |
| 264 | 16.099 | 16.084 | 16.137 | VV | 56214   | 1739745  | 6.22%  | 0.121% |

|     |        |        |        |    |        |         | rtres  |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 265 | 16.157 | 16.137 | 16.180 | VV | 54071  | 1361718 | 4.87%  | 0.095% |
| 266 | 16.215 | 16.180 | 16.262 | VV | 58532  | 2586678 | 9.25%  | 0.180% |
| 267 | 16.310 | 16.262 | 16.337 | VV | 53432  | 2214042 | 7.91%  | 0.154% |
| 268 | 16.375 | 16.337 | 16.396 | VV | 48382  | 1683983 | 6.02%  | 0.117% |
| 269 | 16.409 | 16.396 | 16.443 | VV | 47578  | 1282595 | 4.58%  | 0.089% |
| 270 | 16.498 | 16.443 | 16.513 | VV | 408475 | 7808480 | 27.91% | 0.544% |
| 271 | 16.530 | 16.513 | 16.581 | VV | 507565 | 7109906 | 25.41% | 0.495% |
| 272 | 16.587 | 16.581 | 16.601 | VV | 39862  | 478770  | 1.71%  | 0.033% |
| 273 | 16.618 | 16.601 | 16.677 | VV | 42831  | 1817146 | 6.49%  | 0.126% |
| 274 | 16.697 | 16.677 | 16.752 | VV | 38193  | 1678510 | 6.00%  | 0.117% |
| 275 | 16.773 | 16.752 | 16.796 | VV | 38440  | 956940  | 3.42%  | 0.067% |
| 276 | 16.810 | 16.796 | 16.839 | VV | 38424  | 958895  | 3.43%  | 0.067% |
| 277 | 16.877 | 16.839 | 16.912 | VV | 446986 | 6771938 | 24.20% | 0.471% |
| 278 | 16.948 | 16.912 | 16.976 | VV | 389467 | 6004052 | 21.46% | 0.418% |
| 279 | 16.989 | 16.976 | 17.044 | VV | 41623  | 1404179 | 5.02%  | 0.098% |
| 280 | 17.080 | 17.044 | 17.117 | VV | 31022  | 1251651 | 4.47%  | 0.087% |
| 281 | 17.181 | 17.117 | 17.190 | VV | 30214  | 1226237 | 4.38%  | 0.085% |
| 282 | 17.207 | 17.190 | 17.250 | VV | 34713  | 1049704 | 3.75%  | 0.073% |
| 283 | 17.275 | 17.250 | 17.326 | VV | 28590  | 1170890 | 4.18%  | 0.082% |
| 284 | 17.345 | 17.326 | 17.357 | VV | 23633  | 430025  | 1.54%  | 0.030% |
| 285 | 17.389 | 17.357 | 17.424 | VV | 34049  | 1048251 | 3.75%  | 0.073% |
| 286 | 17.439 | 17.424 | 17.468 | VV | 20798  | 519092  | 1.86%  | 0.036% |
| 287 | 17.483 | 17.468 | 17.496 | VV | 19689  | 311555  | 1.11%  | 0.022% |
| 288 | 17.526 | 17.496 | 17.561 | VV | 22915  | 759847  | 2.72%  | 0.053% |
| 289 | 17.576 | 17.561 | 17.602 | VV | 18583  | 420904  | 1.50%  | 0.029% |
| 290 | 17.612 | 17.602 | 17.622 | VV | 16648  | 195462  | 0.70%  | 0.014% |
| 291 | 17.637 | 17.622 | 17.648 | VV | 16368  | 249477  | 0.89%  | 0.017% |
| 292 | 17.669 | 17.648 | 17.721 | VV | 18349  | 692860  | 2.48%  | 0.048% |
| 293 | 17.744 | 17.721 | 17.769 | VV | 15850  | 407887  | 1.46%  | 0.028% |
| 294 | 17.835 | 17.769 | 17.871 | VV | 366956 | 5614091 | 20.07% | 0.391% |
| 295 | 17.889 | 17.871 | 17.917 | VV | 12343  | 323387  | 1.16%  | 0.023% |
| 296 | 17.923 | 17.917 | 17.937 | VV | 11643  | 134137  | 0.48%  | 0.009% |
| 297 | 17.956 | 17.937 | 17.972 | VV | 11127  | 227662  | 0.81%  | 0.016% |
| 298 | 17.996 | 17.972 | 18.011 | VV | 18384  | 343906  | 1.23%  | 0.024% |
| 299 | 18.020 | 18.011 | 18.074 | VV | 14581  | 415379  | 1.48%  | 0.029% |
| 300 | 18.103 | 18.074 | 18.122 | VV | 8531   | 231492  | 0.83%  | 0.016% |
| 301 | 18.142 | 18.122 | 18.152 | VV | 8844   | 144144  | 0.52%  | 0.010% |
| 302 | 18.245 | 18.152 | 18.260 | VV | 378903 | 6099140 | 21.80% | 0.425% |
| 303 | 18.282 | 18.260 | 18.342 | VV | 422458 | 5882300 | 21.02% | 0.409% |
| 304 | 18.363 | 18.342 | 18.455 | VV | 17309  | 599779  | 2.14%  | 0.042% |
| 305 | 18.503 | 18.455 | 18.622 | VV | 365328 | 5810493 | 20.77% | 0.404% |
| 306 | 18.662 | 18.622 | 18.715 | VV | 340129 | 4970775 | 17.77% | 0.346% |
| 307 | 18.754 | 18.715 | 18.764 | VV | 4453   | 111210  | 0.40%  | 0.008% |
| 308 | 18.782 | 18.764 | 18.809 | VV | 4549   | 92710   | 0.33%  | 0.006% |
| 309 | 18.830 | 18.809 | 18.886 | VV | 4404   | 114023  | 0.41%  | 0.008% |
| 310 | 18.916 | 18.886 | 18.932 | VV | 2036   | 44809   | 0.16%  | 0.003% |

|                                    |        |        |        |    |        |         | rtres  |        |
|------------------------------------|--------|--------|--------|----|--------|---------|--------|--------|
| 311                                | 18.956 | 18.932 | 18.973 | VV | 2734   | 50872   | 0.18%  | 0.004% |
| 312                                | 19.054 | 18.973 | 19.096 | VV | 7874   | 277745  | 0.99%  | 0.019% |
| 313                                | 19.109 | 19.096 | 19.132 | VV | 3391   | 56906   | 0.20%  | 0.004% |
| 314                                | 19.177 | 19.132 | 19.191 | VV | 3049   | 75454   | 0.27%  | 0.005% |
| 315                                | 19.201 | 19.191 | 19.227 | VV | 2496   | 41915   | 0.15%  | 0.003% |
| 316                                | 19.259 | 19.227 | 19.281 | VV | 2327   | 48419   | 0.17%  | 0.003% |
| 317                                | 19.304 | 19.281 | 19.319 | VV | 1113   | 22059   | 0.08%  | 0.002% |
| 318                                | 19.335 | 19.319 | 19.347 | VV | 1082   | 14271   | 0.05%  | 0.001% |
| 319                                | 19.360 | 19.347 | 19.390 | VV | 1478   | 25603   | 0.09%  | 0.002% |
| 320                                | 19.444 | 19.390 | 19.484 | VV | 319245 | 4660613 | 16.66% | 0.324% |
| 321                                | 19.515 | 19.484 | 19.539 | VV | 2992   | 69850   | 0.25%  | 0.005% |
| 322                                | 19.551 | 19.539 | 19.601 | VV | 2254   | 63516   | 0.23%  | 0.004% |
| 323                                | 19.629 | 19.601 | 19.657 | VV | 2378   | 57457   | 0.21%  | 0.004% |
| 324                                | 19.723 | 19.657 | 19.737 | VV | 2534   | 99536   | 0.36%  | 0.007% |
| 325                                | 19.746 | 19.737 | 19.769 | VV | 2321   | 43195   | 0.15%  | 0.003% |
| 326                                | 19.815 | 19.769 | 19.849 | VV | 5867   | 169320  | 0.61%  | 0.012% |
| 327                                | 19.875 | 19.849 | 19.887 | VV | 3327   | 68577   | 0.25%  | 0.005% |
| 328                                | 19.913 | 19.887 | 19.952 | VV | 3370   | 122548  | 0.44%  | 0.009% |
| 329                                | 20.007 | 19.952 | 20.024 | VV | 4546   | 172103  | 0.62%  | 0.012% |
| 330                                | 20.073 | 20.024 | 20.121 | VV | 6315   | 289261  | 1.03%  | 0.020% |
| 331                                | 20.181 | 20.121 | 20.247 | VV | 319880 | 4847712 | 17.33% | 0.337% |
| 332                                | 20.348 | 20.247 | 20.441 | VV | 12065  | 842329  | 3.01%  | 0.059% |
| 333                                | 20.451 | 20.441 | 20.474 | VV | 6616   | 125431  | 0.45%  | 0.009% |
| 334                                | 20.539 | 20.474 | 20.667 | VV | 7966   | 755596  | 2.70%  | 0.053% |
| 335                                | 20.697 | 20.667 | 20.782 | VV | 5503   | 354672  | 1.27%  | 0.025% |
| 336                                | 20.791 | 20.782 | 20.832 | VV | 4899   | 137647  | 0.49%  | 0.010% |
| 337                                | 20.849 | 20.832 | 20.862 | VV | 4607   | 80513   | 0.29%  | 0.006% |
| 338                                | 20.935 | 20.862 | 21.112 | VV | 241984 | 4875589 | 17.43% | 0.339% |
| 339                                | 21.142 | 21.112 | 21.157 | VV | 3458   | 87418   | 0.31%  | 0.006% |
| 340                                | 21.163 | 21.157 | 21.173 | VV | 3206   | 30650   | 0.11%  | 0.002% |
| 341                                | 21.189 | 21.173 | 21.216 | VV | 3375   | 79824   | 0.29%  | 0.006% |
| 342                                | 21.235 | 21.216 | 21.336 | VV | 3245   | 180532  | 0.65%  | 0.013% |
| 343                                | 21.372 | 21.336 | 21.404 | VV | 3019   | 97043   | 0.35%  | 0.007% |
| 344                                | 21.416 | 21.404 | 21.437 | VV | 2045   | 39038   | 0.14%  | 0.003% |
| 345                                | 21.509 | 21.437 | 21.596 | VV | 2135   | 159084  | 0.57%  | 0.011% |
| 346                                | 21.612 | 21.596 | 21.632 | VV | 1054   | 21038   | 0.08%  | 0.001% |
| 347                                | 21.643 | 21.632 | 21.652 | VV | 966    | 11208   | 0.04%  | 0.001% |
| 348                                | 21.659 | 21.652 | 21.669 | VV | 976    | 9008    | 0.03%  | 0.001% |
| 349                                | 21.682 | 21.669 | 21.696 | VV | 937    | 13724   | 0.05%  | 0.001% |
| 350                                | 21.734 | 21.696 | 21.791 | VV | 1009   | 36497   | 0.13%  | 0.003% |
| 351                                | 21.878 | 21.791 | 21.991 | PV | 171851 | 4270449 | 15.26% | 0.297% |
| Sum of corrected areas: 1436546047 |        |        |        |    |        |         |        |        |

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