

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC052119AL\  
 Data File : FC041373.D  
 Signal(s) : FID1A.CH  
 Acq On : 21 May 2019 17:34  
 Sample : K2951-06MS  
 Misc :  
 ALS Vial : 13 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        | 3.554      | BV       | 164457         | 1342242      | 7.94%          | 0.422%        |
| 2         | 3.582       | 3.554        | 3.601      | PV       | 1850           | 16234        | 0.10%          | 0.005%        |
| 3         | 3.609       | 3.601        | 3.647      | VV       | 260            | 3252         | 0.02%          | 0.001%        |
| 4         | 3.684       | 3.647        | 3.734      | PV       | 485            | 9888         | 0.06%          | 0.003%        |
| 5         | 3.795       | 3.734        | 3.842      | PV       | 1956           | 50888        | 0.30%          | 0.016%        |
| 6         | 3.863       | 3.842        | 3.881      | VV       | 623            | 11605        | 0.07%          | 0.004%        |
| 7         | 3.895       | 3.881        | 3.915      | VV       | 558            | 6830         | 0.04%          | 0.002%        |
| 8         | 3.926       | 3.915        | 3.939      | VV       | 279            | 2870         | 0.02%          | 0.001%        |
| 9         | 3.997       | 3.939        | 4.022      | VV       | 9713           | 119312       | 0.71%          | 0.038%        |
| 10        | 4.034       | 4.022        | 4.048      | VV       | 714            | 8982         | 0.05%          | 0.003%        |
| 11        | 4.062       | 4.048        | 4.108      | VV       | 1119           | 15697        | 0.09%          | 0.005%        |
| 12        | 4.128       | 4.108        | 4.140      | VV       | 2134           | 18277        | 0.11%          | 0.006%        |
| 13        | 4.160       | 4.140        | 4.227      | VV       | 12780          | 160473       | 0.95%          | 0.050%        |
| 14        | 4.257       | 4.227        | 4.274      | VV       | 1880           | 26540        | 0.16%          | 0.008%        |
| 15        | 4.298       | 4.274        | 4.323      | VV       | 24473          | 389064       | 2.30%          | 0.122%        |
| 16        | 4.334       | 4.323        | 4.464      | VV       | 17359          | 299105       | 1.77%          | 0.094%        |
| 17        | 4.477       | 4.464        | 4.496      | VV       | 643            | 9372         | 0.06%          | 0.003%        |
| 18        | 4.506       | 4.496        | 4.522      | VV       | 472            | 6408         | 0.04%          | 0.002%        |
| 19        | 4.550       | 4.522        | 4.574      | VV       | 199880         | 1763283      | 10.43%         | 0.554%        |
| 20        | 4.596       | 4.574        | 4.647      | VV       | 219938         | 1903844      | 11.26%         | 0.598%        |
| 21        | 4.655       | 4.647        | 4.670      | VV       | 1346           | 13872        | 0.08%          | 0.004%        |
| 22        | 4.704       | 4.670        | 4.737      | VV       | 42227          | 378558       | 2.24%          | 0.119%        |
| 23        | 4.770       | 4.737        | 4.861      | VV       | 56064          | 720458       | 4.26%          | 0.226%        |
| 24        | 4.884       | 4.861        | 4.914      | VV       | 4178           | 66893        | 0.40%          | 0.021%        |
| 25        | 4.921       | 4.914        | 4.951      | VV       | 1069           | 14627        | 0.09%          | 0.005%        |
| 26        | 4.968       | 4.951        | 4.987      | VV       | 1011           | 13700        | 0.08%          | 0.004%        |
| 27        | 5.005       | 4.987        | 5.067      | VV       | 2475           | 44285        | 0.26%          | 0.014%        |
| 28        | 5.091       | 5.067        | 5.129      | VV       | 3716           | 52315        | 0.31%          | 0.016%        |
| 29        | 5.145       | 5.129        | 5.169      | VV       | 649            | 7352         | 0.04%          | 0.002%        |
| 30        | 5.193       | 5.169        | 5.201      | VV       | 1624           | 18459        | 0.11%          | 0.006%        |
| 31        | 5.225       | 5.201        | 5.235      | VV       | 3197           | 44757        | 0.26%          | 0.014%        |
| 32        | 5.248       | 5.235        | 5.260      | VV       | 3898           | 41715        | 0.25%          | 0.013%        |
| 33        | 5.270       | 5.260        | 5.280      | VV       | 3431           | 32188        | 0.19%          | 0.010%        |
| 34        | 5.296       | 5.280        | 5.312      | VV       | 3366           | 44899        | 0.27%          | 0.014%        |
| 35        | 5.325       | 5.312        | 5.340      | VV       | 2158           | 22848        | 0.14%          | 0.007%        |
| 36        | 5.374       | 5.340        | 5.397      | VV       | 5451           | 125627       | 0.74%          | 0.039%        |

| rteres |       |       |       |    |        |         |        |        |
|--------|-------|-------|-------|----|--------|---------|--------|--------|
| 37     | 5.413 | 5.397 | 5.449 | VV | 3947   | 59027   | 0.35%  | 0.019% |
| 38     | 5.465 | 5.449 | 5.496 | VV | 796    | 11341   | 0.07%  | 0.004% |
| 39     | 5.538 | 5.496 | 5.569 | VV | 49467  | 545068  | 3.22%  | 0.171% |
| 40     | 5.584 | 5.569 | 5.610 | VV | 3420   | 53254   | 0.32%  | 0.017% |
| 41     | 5.641 | 5.610 | 5.671 | VV | 4787   | 74804   | 0.44%  | 0.024% |
| 42     | 5.688 | 5.671 | 5.739 | VV | 1135   | 23598   | 0.14%  | 0.007% |
| 43     | 5.778 | 5.739 | 5.795 | PV | 5438   | 54564   | 0.32%  | 0.017% |
| 44     | 5.810 | 5.795 | 5.833 | VV | 2871   | 46599   | 0.28%  | 0.015% |
| 45     | 5.853 | 5.833 | 5.863 | VV | 9034   | 101559  | 0.60%  | 0.032% |
| 46     | 5.872 | 5.863 | 5.884 | VV | 7702   | 73761   | 0.44%  | 0.023% |
| 47     | 5.893 | 5.884 | 5.900 | VV | 5185   | 44053   | 0.26%  | 0.014% |
| 48     | 5.914 | 5.900 | 5.956 | VV | 10424  | 121504  | 0.72%  | 0.038% |
| 49     | 5.977 | 5.956 | 5.992 | VV | 2340   | 29050   | 0.17%  | 0.009% |
| 50     | 6.008 | 5.992 | 6.026 | VV | 3822   | 36647   | 0.22%  | 0.012% |
| 51     | 6.041 | 6.026 | 6.057 | VV | 1009   | 12134   | 0.07%  | 0.004% |
| 52     | 6.100 | 6.057 | 6.113 | VV | 2691   | 63303   | 0.37%  | 0.020% |
| 53     | 6.140 | 6.113 | 6.166 | VV | 522698 | 4595326 | 27.19% | 1.444% |
| 54     | 6.186 | 6.166 | 6.214 | VV | 12824  | 130676  | 0.77%  | 0.041% |
| 55     | 6.226 | 6.214 | 6.252 | VV | 1718   | 20825   | 0.12%  | 0.007% |
| 56     | 6.272 | 6.252 | 6.292 | VV | 3882   | 41709   | 0.25%  | 0.013% |
| 57     | 6.310 | 6.292 | 6.344 | VV | 934    | 22458   | 0.13%  | 0.007% |
| 58     | 6.367 | 6.344 | 6.382 | VV | 1087   | 16948   | 0.10%  | 0.005% |
| 59     | 6.406 | 6.382 | 6.442 | VV | 1921   | 29757   | 0.18%  | 0.009% |
| 60     | 6.496 | 6.442 | 6.507 | VV | 19009  | 194083  | 1.15%  | 0.061% |
| 61     | 6.521 | 6.507 | 6.538 | VV | 28631  | 300044  | 1.78%  | 0.094% |
| 62     | 6.561 | 6.538 | 6.592 | VV | 248723 | 2527249 | 14.95% | 0.794% |
| 63     | 6.606 | 6.592 | 6.631 | VV | 9220   | 101150  | 0.60%  | 0.032% |
| 64     | 6.638 | 6.631 | 6.652 | VV | 1088   | 12519   | 0.07%  | 0.004% |
| 65     | 6.689 | 6.652 | 6.701 | VV | 1427   | 33310   | 0.20%  | 0.010% |
| 66     | 6.707 | 6.701 | 6.724 | VV | 1467   | 12907   | 0.08%  | 0.004% |
| 67     | 6.761 | 6.724 | 6.803 | VV | 4573   | 62100   | 0.37%  | 0.020% |
| 68     | 6.815 | 6.803 | 6.830 | VV | 752    | 7512    | 0.04%  | 0.002% |
| 69     | 6.853 | 6.830 | 6.869 | VV | 1561   | 24411   | 0.14%  | 0.008% |
| 70     | 6.884 | 6.869 | 6.921 | VV | 5271   | 64290   | 0.38%  | 0.020% |
| 71     | 6.934 | 6.921 | 6.951 | VV | 539    | 6315    | 0.04%  | 0.002% |
| 72     | 6.970 | 6.951 | 6.996 | VV | 2383   | 34892   | 0.21%  | 0.011% |
| 73     | 7.004 | 6.996 | 7.014 | VV | 1000   | 9905    | 0.06%  | 0.003% |
| 74     | 7.030 | 7.014 | 7.053 | VV | 1838   | 21509   | 0.13%  | 0.007% |
| 75     | 7.098 | 7.053 | 7.109 | PV | 4320   | 44729   | 0.26%  | 0.014% |
| 76     | 7.126 | 7.109 | 7.157 | VV | 14240  | 147927  | 0.88%  | 0.046% |
| 77     | 7.191 | 7.157 | 7.217 | VV | 367535 | 3497888 | 20.69% | 1.099% |
| 78     | 7.241 | 7.217 | 7.266 | VV | 5437   | 79971   | 0.47%  | 0.025% |
| 79     | 7.281 | 7.266 | 7.299 | VV | 2320   | 32888   | 0.19%  | 0.010% |
| 80     | 7.325 | 7.299 | 7.355 | VV | 56418  | 550461  | 3.26%  | 0.173% |
| 81     | 7.378 | 7.355 | 7.392 | VV | 1203   | 18775   | 0.11%  | 0.006% |
| 82     | 7.413 | 7.392 | 7.435 | VV | 6372   | 70792   | 0.42%  | 0.022% |
| 83     | 7.443 | 7.435 | 7.459 | VV | 863    | 9832    | 0.06%  | 0.003% |
| 84     | 7.487 | 7.459 | 7.526 | VV | 11828  | 159029  | 0.94%  | 0.050% |
| 85     | 7.549 | 7.526 | 7.596 | VV | 3020   | 47494   | 0.28%  | 0.015% |
| 86     | 7.617 | 7.596 | 7.645 | PV | 3204   | 45050   | 0.27%  | 0.014% |
| 87     | 7.670 | 7.645 | 7.686 | VV | 8772   | 102028  | 0.60%  | 0.032% |
| 88     | 7.697 | 7.686 | 7.726 | VV | 4682   | 51167   | 0.30%  | 0.016% |
| 89     | 7.797 | 7.726 | 7.844 | VV | 450072 | 4286806 | 25.36% | 1.347% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 90  | 7.858  | 7.844  | 7.867  | VV | 1365   | 15843   | 0.09%  | 0.005% |
| 91  | 7.909  | 7.867  | 7.927  | VV | 27771  | 311554  | 1.84%  | 0.098% |
| 92  | 7.936  | 7.927  | 7.954  | VV | 4725   | 48720   | 0.29%  | 0.015% |
| 93  | 7.964  | 7.954  | 7.989  | VV | 1547   | 20119   | 0.12%  | 0.006% |
| 94  | 8.012  | 7.989  | 8.031  | VV | 1712   | 22742   | 0.13%  | 0.007% |
| 95  | 8.066  | 8.031  | 8.101  | VV | 15556  | 202250  | 1.20%  | 0.064% |
| 96  | 8.111  | 8.101  | 8.127  | VV | 1343   | 18246   | 0.11%  | 0.006% |
| 97  | 8.163  | 8.127  | 8.213  | VV | 16283  | 333886  | 1.98%  | 0.105% |
| 98  | 8.233  | 8.213  | 8.252  | VV | 3341   | 46725   | 0.28%  | 0.015% |
| 99  | 8.282  | 8.252  | 8.296  | VV | 32461  | 347563  | 2.06%  | 0.109% |
| 100 | 8.308  | 8.296  | 8.324  | VV | 23344  | 240892  | 1.43%  | 0.076% |
| 101 | 8.348  | 8.324  | 8.377  | VV | 247904 | 2562941 | 15.16% | 0.806% |
| 102 | 8.407  | 8.377  | 8.424  | VV | 19801  | 225237  | 1.33%  | 0.071% |
| 103 | 8.467  | 8.424  | 8.501  | VV | 285511 | 2972846 | 17.59% | 0.934% |
| 104 | 8.517  | 8.501  | 8.539  | VV | 1989   | 33517   | 0.20%  | 0.011% |
| 105 | 8.555  | 8.539  | 8.586  | VV | 7704   | 84700   | 0.50%  | 0.027% |
| 106 | 8.601  | 8.586  | 8.618  | VV | 1384   | 12417   | 0.07%  | 0.004% |
| 107 | 8.665  | 8.618  | 8.691  | PV | 313174 | 2936005 | 17.37% | 0.923% |
| 108 | 8.710  | 8.691  | 8.736  | VV | 10618  | 113567  | 0.67%  | 0.036% |
| 109 | 8.765  | 8.736  | 8.787  | VV | 521272 | 4931088 | 29.17% | 1.550% |
| 110 | 8.802  | 8.787  | 8.843  | VV | 18005  | 194907  | 1.15%  | 0.061% |
| 111 | 8.872  | 8.843  | 8.886  | VV | 7845   | 92776   | 0.55%  | 0.029% |
| 112 | 8.897  | 8.886  | 8.935  | VV | 5205   | 80625   | 0.48%  | 0.025% |
| 113 | 8.968  | 8.935  | 8.978  | VV | 5136   | 61283   | 0.36%  | 0.019% |
| 114 | 9.000  | 8.978  | 9.012  | VV | 23539  | 264980  | 1.57%  | 0.083% |
| 115 | 9.031  | 9.012  | 9.056  | VV | 125586 | 1228192 | 7.27%  | 0.386% |
| 116 | 9.068  | 9.056  | 9.101  | VV | 3213   | 50116   | 0.30%  | 0.016% |
| 117 | 9.119  | 9.101  | 9.137  | VV | 4758   | 53737   | 0.32%  | 0.017% |
| 118 | 9.165  | 9.137  | 9.184  | VV | 10867  | 126058  | 0.75%  | 0.040% |
| 119 | 9.206  | 9.184  | 9.276  | VV | 9415   | 129944  | 0.77%  | 0.041% |
| 120 | 9.322  | 9.276  | 9.338  | VV | 9036   | 116747  | 0.69%  | 0.037% |
| 121 | 9.352  | 9.338  | 9.379  | VV | 8915   | 95457   | 0.56%  | 0.030% |
| 122 | 9.401  | 9.379  | 9.417  | VV | 1609   | 20658   | 0.12%  | 0.006% |
| 123 | 9.457  | 9.417  | 9.479  | VV | 9697   | 142954  | 0.85%  | 0.045% |
| 124 | 9.495  | 9.479  | 9.508  | VV | 2127   | 23902   | 0.14%  | 0.008% |
| 125 | 9.544  | 9.508  | 9.590  | VV | 442737 | 4625339 | 27.36% | 1.454% |
| 126 | 9.621  | 9.590  | 9.646  | VV | 9051   | 179157  | 1.06%  | 0.056% |
| 127 | 9.661  | 9.646  | 9.673  | VV | 13619  | 137974  | 0.82%  | 0.043% |
| 128 | 9.692  | 9.673  | 9.709  | VV | 33118  | 406508  | 2.41%  | 0.128% |
| 129 | 9.717  | 9.709  | 9.733  | VV | 11462  | 115871  | 0.69%  | 0.036% |
| 130 | 9.752  | 9.733  | 9.788  | VV | 23785  | 300731  | 1.78%  | 0.095% |
| 131 | 9.806  | 9.788  | 9.835  | VV | 3170   | 57733   | 0.34%  | 0.018% |
| 132 | 9.860  | 9.835  | 9.883  | VV | 40559  | 429659  | 2.54%  | 0.135% |
| 133 | 9.899  | 9.883  | 9.914  | VV | 5877   | 83188   | 0.49%  | 0.026% |
| 134 | 9.940  | 9.914  | 10.002 | VV | 251668 | 3279161 | 19.40% | 1.031% |
| 135 | 10.022 | 10.002 | 10.042 | VV | 9807   | 112153  | 0.66%  | 0.035% |
| 136 | 10.055 | 10.042 | 10.072 | VV | 3293   | 38769   | 0.23%  | 0.012% |
| 137 | 10.126 | 10.072 | 10.189 | VV | 3368   | 105805  | 0.63%  | 0.033% |
| 138 | 10.223 | 10.189 | 10.242 | PV | 4584   | 50811   | 0.30%  | 0.016% |
| 139 | 10.279 | 10.242 | 10.312 | VV | 3901   | 69269   | 0.41%  | 0.022% |
| 140 | 10.335 | 10.312 | 10.351 | VV | 9253   | 112926  | 0.67%  | 0.035% |
| 141 | 10.359 | 10.351 | 10.371 | VV | 3699   | 37494   | 0.22%  | 0.012% |

| rteres |        |        |        |    |         |          |         |        |
|--------|--------|--------|--------|----|---------|----------|---------|--------|
| 142    | 10.418 | 10.371 | 10.441 | VV | 34477   | 532598   | 3.15%   | 0.167% |
| 143    | 10.458 | 10.441 | 10.494 | VV | 15387   | 191949   | 1.14%   | 0.060% |
| 144    | 10.536 | 10.494 | 10.571 | VV | 22810   | 372421   | 2.20%   | 0.117% |
| 145    | 10.588 | 10.571 | 10.646 | VV | 12983   | 271477   | 1.61%   | 0.085% |
| 146    | 10.675 | 10.646 | 10.687 | VV | 10529   | 147039   | 0.87%   | 0.046% |
| 147    | 10.706 | 10.687 | 10.716 | VV | 18672   | 221800   | 1.31%   | 0.070% |
| 148    | 10.741 | 10.716 | 10.761 | VV | 78620   | 1211507  | 7.17%   | 0.381% |
| 149    | 10.770 | 10.761 | 10.789 | VV | 19720   | 206497   | 1.22%   | 0.065% |
| 150    | 10.813 | 10.789 | 10.820 | VV | 5379    | 86792    | 0.51%   | 0.027% |
| 151    | 10.841 | 10.820 | 10.859 | VV | 15390   | 219147   | 1.30%   | 0.069% |
| 152    | 10.871 | 10.859 | 10.891 | VV | 7476    | 112008   | 0.66%   | 0.035% |
| 153    | 10.954 | 10.891 | 10.992 | VV | 1236594 | 15436126 | 91.32%  | 4.852% |
| 154    | 11.021 | 10.992 | 11.078 | VV | 506923  | 5562741  | 32.91%  | 1.749% |
| 155    | 11.094 | 11.078 | 11.106 | VV | 6041    | 76950    | 0.46%   | 0.024% |
| 156    | 11.116 | 11.106 | 11.137 | VV | 5769    | 97049    | 0.57%   | 0.031% |
| 157    | 11.148 | 11.137 | 11.162 | VV | 4931    | 63788    | 0.38%   | 0.020% |
| 158    | 11.181 | 11.162 | 11.201 | VV | 25992   | 290928   | 1.72%   | 0.091% |
| 159    | 11.222 | 11.201 | 11.267 | VV | 92345   | 1038395  | 6.14%   | 0.326% |
| 160    | 11.297 | 11.267 | 11.312 | VV | 5987    | 113453   | 0.67%   | 0.036% |
| 161    | 11.336 | 11.312 | 11.352 | VV | 13369   | 220252   | 1.30%   | 0.069% |
| 162    | 11.378 | 11.352 | 11.414 | VV | 246195  | 2877657  | 17.02%  | 0.905% |
| 163    | 11.437 | 11.414 | 11.447 | VV | 10925   | 167749   | 0.99%   | 0.053% |
| 164    | 11.469 | 11.447 | 11.504 | VV | 26140   | 454150   | 2.69%   | 0.143% |
| 165    | 11.538 | 11.504 | 11.562 | VV | 23340   | 381840   | 2.26%   | 0.120% |
| 166    | 11.588 | 11.562 | 11.621 | VV | 17109   | 318900   | 1.89%   | 0.100% |
| 167    | 11.628 | 11.621 | 11.639 | VV | 6277    | 64117    | 0.38%   | 0.020% |
| 168    | 11.650 | 11.639 | 11.672 | VV | 6045    | 114705   | 0.68%   | 0.036% |
| 169    | 11.703 | 11.672 | 11.723 | VV | 237489  | 2723175  | 16.11%  | 0.856% |
| 170    | 11.740 | 11.723 | 11.755 | VV | 91559   | 1007677  | 5.96%   | 0.317% |
| 171    | 11.772 | 11.755 | 11.799 | VV | 122579  | 1361292  | 8.05%   | 0.428% |
| 172    | 11.858 | 11.799 | 11.875 | VV | 134156  | 2221674  | 13.14%  | 0.698% |
| 173    | 11.889 | 11.875 | 11.902 | VV | 52184   | 600269   | 3.55%   | 0.189% |
| 174    | 11.919 | 11.902 | 11.943 | VV | 81072   | 1005077  | 5.95%   | 0.316% |
| 175    | 11.959 | 11.943 | 11.973 | VV | 12297   | 162862   | 0.96%   | 0.051% |
| 176    | 11.994 | 11.973 | 12.019 | VV | 18759   | 328152   | 1.94%   | 0.103% |
| 177    | 12.048 | 12.019 | 12.077 | VV | 15144   | 353670   | 2.09%   | 0.111% |
| 178    | 12.095 | 12.077 | 12.114 | VV | 18527   | 252597   | 1.49%   | 0.079% |
| 179    | 12.129 | 12.114 | 12.158 | VV | 11183   | 197389   | 1.17%   | 0.062% |
| 180    | 12.177 | 12.158 | 12.187 | VV | 7118    | 109504   | 0.65%   | 0.034% |
| 181    | 12.213 | 12.187 | 12.236 | VV | 72326   | 901706   | 5.33%   | 0.283% |
| 182    | 12.251 | 12.236 | 12.266 | VV | 12801   | 185136   | 1.10%   | 0.058% |
| 183    | 12.275 | 12.266 | 12.296 | VV | 10887   | 153817   | 0.91%   | 0.048% |
| 184    | 12.309 | 12.296 | 12.319 | VV | 6273    | 79163    | 0.47%   | 0.025% |
| 185    | 12.332 | 12.319 | 12.341 | VV | 6742    | 80330    | 0.48%   | 0.025% |
| 186    | 12.363 | 12.341 | 12.380 | VV | 15615   | 229182   | 1.36%   | 0.072% |
| 187    | 12.399 | 12.380 | 12.429 | VV | 9324    | 236275   | 1.40%   | 0.074% |
| 188    | 12.460 | 12.429 | 12.473 | VV | 20604   | 335652   | 1.99%   | 0.106% |
| 189    | 12.480 | 12.473 | 12.507 | VV | 15639   | 209186   | 1.24%   | 0.066% |
| 190    | 12.528 | 12.507 | 12.571 | VV | 21672   | 482234   | 2.85%   | 0.152% |
| 191    | 12.604 | 12.571 | 12.621 | VV | 19033   | 391441   | 2.32%   | 0.123% |
| 192    | 12.640 | 12.621 | 12.657 | VV | 45922   | 617908   | 3.66%   | 0.194% |
| 193    | 12.684 | 12.657 | 12.727 | VV | 257346  | 3465357  | 20.50%  | 1.089% |
| 194    | 12.774 | 12.727 | 12.799 | VV | 1276689 | 16902547 | 100.00% | 5.313% |

|     |        |        |        |    |         |          |        |        |
|-----|--------|--------|--------|----|---------|----------|--------|--------|
|     |        |        |        |    | rteres  |          |        |        |
| 195 | 12.818 | 12.799 | 12.836 | VV | 16703   | 222826   | 1.32%  | 0.070% |
| 196 | 12.855 | 12.836 | 12.867 | VV | 9117    | 136905   | 0.81%  | 0.043% |
| 197 | 12.917 | 12.867 | 12.927 | VV | 25577   | 538222   | 3.18%  | 0.169% |
| 198 | 12.944 | 12.927 | 13.008 | VV | 56996   | 1263980  | 7.48%  | 0.397% |
| 199 | 13.018 | 13.008 | 13.028 | VV | 10379   | 113817   | 0.67%  | 0.036% |
| 200 | 13.072 | 13.028 | 13.092 | VV | 1087685 | 14080922 | 83.31% | 4.426% |
| 201 | 13.132 | 13.092 | 13.176 | VV | 181603  | 4751196  | 28.11% | 1.493% |
| 202 | 13.192 | 13.176 | 13.206 | VV | 10955   | 166628   | 0.99%  | 0.052% |
| 203 | 13.226 | 13.206 | 13.237 | VV | 49062   | 582569   | 3.45%  | 0.183% |
| 204 | 13.252 | 13.237 | 13.268 | VV | 54278   | 675495   | 4.00%  | 0.212% |
| 205 | 13.293 | 13.268 | 13.359 | VV | 227625  | 3709813  | 21.95% | 1.166% |
| 206 | 13.391 | 13.359 | 13.409 | VV | 31274   | 512758   | 3.03%  | 0.161% |
| 207 | 13.448 | 13.409 | 13.484 | VV | 37672   | 747650   | 4.42%  | 0.235% |
| 208 | 13.510 | 13.484 | 13.534 | VV | 64466   | 995426   | 5.89%  | 0.313% |
| 209 | 13.543 | 13.534 | 13.574 | VV | 13284   | 212186   | 1.26%  | 0.067% |
| 210 | 13.642 | 13.574 | 13.681 | VV | 187792  | 3006459  | 17.79% | 0.945% |
| 211 | 13.706 | 13.681 | 13.721 | VV | 20231   | 340033   | 2.01%  | 0.107% |
| 212 | 13.748 | 13.721 | 13.770 | VV | 143263  | 1896772  | 11.22% | 0.596% |
| 213 | 13.788 | 13.770 | 13.809 | VV | 73641   | 953301   | 5.64%  | 0.300% |
| 214 | 13.828 | 13.809 | 13.847 | VV | 32305   | 517703   | 3.06%  | 0.163% |
| 215 | 13.877 | 13.847 | 13.903 | VV | 253836  | 3571235  | 21.13% | 1.123% |
| 216 | 13.917 | 13.903 | 13.938 | VV | 62440   | 850478   | 5.03%  | 0.267% |
| 217 | 13.957 | 13.938 | 13.995 | VV | 59321   | 963064   | 5.70%  | 0.303% |
| 218 | 14.028 | 13.995 | 14.046 | VV | 18998   | 427066   | 2.53%  | 0.134% |
| 219 | 14.063 | 14.046 | 14.102 | VV | 15815   | 454049   | 2.69%  | 0.143% |
| 220 | 14.116 | 14.102 | 14.127 | VV | 15485   | 207518   | 1.23%  | 0.065% |
| 221 | 14.139 | 14.127 | 14.152 | VV | 14627   | 213368   | 1.26%  | 0.067% |
| 222 | 14.163 | 14.152 | 14.182 | VV | 16206   | 227919   | 1.35%  | 0.072% |
| 223 | 14.215 | 14.182 | 14.249 | VV | 11250   | 362465   | 2.14%  | 0.114% |
| 224 | 14.277 | 14.249 | 14.289 | VV | 10590   | 213323   | 1.26%  | 0.067% |
| 225 | 14.326 | 14.289 | 14.357 | VV | 37677   | 1038305  | 6.14%  | 0.326% |
| 226 | 14.371 | 14.357 | 14.402 | VV | 30501   | 538417   | 3.19%  | 0.169% |
| 227 | 14.439 | 14.402 | 14.461 | VV | 25815   | 654531   | 3.87%  | 0.206% |
| 228 | 14.474 | 14.461 | 14.524 | VV | 28312   | 672377   | 3.98%  | 0.211% |
| 229 | 14.553 | 14.524 | 14.591 | VV | 87801   | 1494514  | 8.84%  | 0.470% |
| 230 | 14.616 | 14.591 | 14.637 | VV | 132372  | 1842721  | 10.90% | 0.579% |
| 231 | 14.656 | 14.637 | 14.709 | VV | 53959   | 1388118  | 8.21%  | 0.436% |
| 232 | 14.736 | 14.709 | 14.753 | VV | 23223   | 436209   | 2.58%  | 0.137% |
| 233 | 14.798 | 14.753 | 14.854 | VV | 46865   | 1286185  | 7.61%  | 0.404% |
| 234 | 14.880 | 14.854 | 14.899 | VV | 32216   | 554278   | 3.28%  | 0.174% |
| 235 | 14.938 | 14.899 | 14.956 | VV | 611928  | 9416447  | 55.71% | 2.960% |
| 236 | 14.982 | 14.956 | 15.044 | VV | 809986  | 11508590 | 68.09% | 3.617% |
| 237 | 15.093 | 15.044 | 15.135 | VV | 98775   | 1860094  | 11.00% | 0.585% |
| 238 | 15.160 | 15.135 | 15.197 | VV | 48732   | 894822   | 5.29%  | 0.281% |
| 239 | 15.222 | 15.197 | 15.249 | VV | 51450   | 883555   | 5.23%  | 0.278% |
| 240 | 15.268 | 15.249 | 15.329 | VV | 40424   | 1068155  | 6.32%  | 0.336% |
| 241 | 15.362 | 15.329 | 15.399 | VV | 32134   | 898686   | 5.32%  | 0.282% |
| 242 | 15.408 | 15.399 | 15.449 | VV | 18924   | 401254   | 2.37%  | 0.126% |
| 243 | 15.469 | 15.449 | 15.480 | VV | 15229   | 236891   | 1.40%  | 0.074% |
| 244 | 15.498 | 15.480 | 15.525 | VV | 17669   | 435221   | 2.57%  | 0.137% |
| 245 | 15.554 | 15.525 | 15.573 | VV | 31042   | 636233   | 3.76%  | 0.200% |
| 246 | 15.596 | 15.573 | 15.617 | VV | 90207   | 1261944  | 7.47%  | 0.397% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 15.634 | 15.617 | 15.657 | VV | 48542  | 737215  | 4.36%  | 0.232% |
| 248    | 15.680 | 15.657 | 15.714 | VV | 39463  | 808575  | 4.78%  | 0.254% |
| 249    | 15.757 | 15.714 | 15.791 | VV | 72280  | 1870547 | 11.07% | 0.588% |
| 250    | 15.832 | 15.791 | 15.862 | VV | 36041  | 836430  | 4.95%  | 0.263% |
|        |        |        |        |    |        |         |        |        |
| 251    | 15.873 | 15.862 | 15.893 | VV | 13540  | 220145  | 1.30%  | 0.069% |
| 252    | 15.916 | 15.893 | 15.935 | VV | 28173  | 440161  | 2.60%  | 0.138% |
| 253    | 15.952 | 15.935 | 15.967 | VV | 25081  | 346069  | 2.05%  | 0.109% |
| 254    | 15.995 | 15.967 | 16.049 | VV | 229720 | 3372879 | 19.95% | 1.060% |
| 255    | 16.092 | 16.049 | 16.108 | VV | 11240  | 323595  | 1.91%  | 0.102% |
|        |        |        |        |    |        |         |        |        |
| 256    | 16.120 | 16.108 | 16.137 | VV | 9883   | 152235  | 0.90%  | 0.048% |
| 257    | 16.157 | 16.137 | 16.168 | VV | 10185  | 167004  | 0.99%  | 0.052% |
| 258    | 16.191 | 16.168 | 16.214 | VV | 16941  | 368311  | 2.18%  | 0.116% |
| 259    | 16.226 | 16.214 | 16.243 | VV | 12646  | 194135  | 1.15%  | 0.061% |
| 260    | 16.265 | 16.243 | 16.286 | VV | 27604  | 453963  | 2.69%  | 0.143% |
|        |        |        |        |    |        |         |        |        |
| 261    | 16.299 | 16.286 | 16.329 | VV | 15083  | 342808  | 2.03%  | 0.108% |
| 262    | 16.388 | 16.329 | 16.436 | VV | 28653  | 1147252 | 6.79%  | 0.361% |
| 263    | 16.497 | 16.436 | 16.512 | VV | 522367 | 9152426 | 54.15% | 2.877% |
| 264    | 16.524 | 16.512 | 16.551 | VV | 439016 | 4792915 | 28.36% | 1.507% |
| 265    | 16.564 | 16.551 | 16.591 | VV | 15308  | 320839  | 1.90%  | 0.101% |
|        |        |        |        |    |        |         |        |        |
| 266    | 16.615 | 16.591 | 16.635 | VV | 97123  | 1306425 | 7.73%  | 0.411% |
| 267    | 16.648 | 16.635 | 16.692 | VV | 30006  | 655279  | 3.88%  | 0.206% |
| 268    | 16.703 | 16.692 | 16.716 | VV | 14283  | 183833  | 1.09%  | 0.058% |
| 269    | 16.735 | 16.716 | 16.750 | VV | 26077  | 417840  | 2.47%  | 0.131% |
| 270    | 16.811 | 16.750 | 16.838 | VV | 230204 | 4057534 | 24.01% | 1.275% |
|        |        |        |        |    |        |         |        |        |
| 271    | 16.877 | 16.838 | 16.906 | VV | 533515 | 7444192 | 44.04% | 2.340% |
| 272    | 16.941 | 16.906 | 16.991 | VV | 222975 | 4314472 | 25.53% | 1.356% |
| 273    | 17.010 | 16.991 | 17.042 | VV | 26926  | 565744  | 3.35%  | 0.178% |
| 274    | 17.099 | 17.042 | 17.137 | VV | 30856  | 1157433 | 6.85%  | 0.364% |
| 275    | 17.161 | 17.137 | 17.182 | VV | 18458  | 375705  | 2.22%  | 0.118% |
|        |        |        |        |    |        |         |        |        |
| 276    | 17.223 | 17.182 | 17.294 | VV | 48960  | 1803335 | 10.67% | 0.567% |
| 277    | 17.320 | 17.294 | 17.336 | VV | 20117  | 388807  | 2.30%  | 0.122% |
| 278    | 17.360 | 17.336 | 17.371 | VV | 29355  | 501523  | 2.97%  | 0.158% |
| 279    | 17.385 | 17.371 | 17.419 | VV | 36296  | 666532  | 3.94%  | 0.210% |
| 280    | 17.442 | 17.419 | 17.460 | VV | 25944  | 460018  | 2.72%  | 0.145% |
|        |        |        |        |    |        |         |        |        |
| 281    | 17.472 | 17.460 | 17.490 | VV | 19055  | 289618  | 1.71%  | 0.091% |
| 282    | 17.518 | 17.490 | 17.540 | VV | 36549  | 689459  | 4.08%  | 0.217% |
| 283    | 17.553 | 17.540 | 17.594 | VV | 18798  | 431240  | 2.55%  | 0.136% |
| 284    | 17.629 | 17.594 | 17.652 | VV | 17695  | 488435  | 2.89%  | 0.154% |
| 285    | 17.665 | 17.652 | 17.682 | VV | 11272  | 179603  | 1.06%  | 0.056% |
|        |        |        |        |    |        |         |        |        |
| 286    | 17.697 | 17.682 | 17.716 | VV | 11010  | 195503  | 1.16%  | 0.061% |
| 287    | 17.725 | 17.716 | 17.746 | VV | 9299   | 153485  | 0.91%  | 0.048% |
| 288    | 17.828 | 17.746 | 17.876 | VV | 211419 | 3750120 | 22.19% | 1.179% |
| 289    | 17.949 | 17.876 | 17.970 | VV | 24789  | 903291  | 5.34%  | 0.284% |
| 290    | 18.014 | 17.970 | 18.106 | VV | 29776  | 1484157 | 8.78%  | 0.467% |
|        |        |        |        |    |        |         |        |        |
| 291    | 18.137 | 18.106 | 18.197 | VV | 58497  | 1569615 | 9.29%  | 0.493% |
| 292    | 18.239 | 18.197 | 18.256 | VV | 331568 | 5244315 | 31.03% | 1.648% |
| 293    | 18.272 | 18.256 | 18.300 | VV | 237913 | 3470528 | 20.53% | 1.091% |
| 294    | 18.309 | 18.300 | 18.335 | VV | 35338  | 571520  | 3.38%  | 0.180% |
| 295    | 18.361 | 18.335 | 18.377 | VV | 65719  | 1012404 | 5.99%  | 0.318% |
|        |        |        |        |    |        |         |        |        |
| 296    | 18.392 | 18.377 | 18.452 | VV | 49858  | 1170183 | 6.92%  | 0.368% |
| 297    | 18.497 | 18.452 | 18.547 | VV | 294912 | 4726625 | 27.96% | 1.486% |
| 298    | 18.564 | 18.547 | 18.582 | VV | 28505  | 509422  | 3.01%  | 0.160% |
| 299    | 18.614 | 18.582 | 18.631 | VV | 65321  | 1108340 | 6.56%  | 0.348% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 300 | 18.657 | 18.631 | 18.692 | VV | 200876 | 3125780 | 18.49% | 0.983% |
| 301 | 18.707 | 18.692 | 18.727 | VV | 16063  | 301229  | 1.78%  | 0.095% |
| 302 | 18.740 | 18.727 | 18.756 | VV | 13442  | 214964  | 1.27%  | 0.068% |
| 303 | 18.785 | 18.756 | 18.809 | VV | 17458  | 456603  | 2.70%  | 0.144% |
| 304 | 18.877 | 18.809 | 18.889 | VV | 14954  | 647851  | 3.83%  | 0.204% |
| 305 | 18.910 | 18.889 | 18.934 | VV | 23405  | 488275  | 2.89%  | 0.153% |
| 306 | 18.952 | 18.934 | 18.971 | VV | 16236  | 325718  | 1.93%  | 0.102% |
| 307 | 18.993 | 18.971 | 19.015 | VV | 21672  | 473193  | 2.80%  | 0.149% |
| 308 | 19.047 | 19.015 | 19.099 | VV | 24479  | 943986  | 5.58%  | 0.297% |
| 309 | 19.112 | 19.099 | 19.129 | VV | 14271  | 249889  | 1.48%  | 0.079% |
| 310 | 19.155 | 19.129 | 19.189 | VV | 17589  | 568072  | 3.36%  | 0.179% |
| 311 | 19.196 | 19.189 | 19.246 | VV | 14522  | 389122  | 2.30%  | 0.122% |
| 312 | 19.265 | 19.246 | 19.296 | VV | 11557  | 312772  | 1.85%  | 0.098% |
| 313 | 19.327 | 19.296 | 19.346 | VV | 12214  | 345321  | 2.04%  | 0.109% |
| 314 | 19.360 | 19.346 | 19.382 | VV | 11336  | 215094  | 1.27%  | 0.068% |
| 315 | 19.438 | 19.382 | 19.473 | VV | 185412 | 3122678 | 18.47% | 0.982% |
| 316 | 19.511 | 19.473 | 19.537 | VV | 14926  | 508445  | 3.01%  | 0.160% |
| 317 | 19.560 | 19.537 | 19.595 | VV | 14899  | 434910  | 2.57%  | 0.137% |
| 318 | 19.632 | 19.595 | 19.662 | VV | 49352  | 1065212 | 6.30%  | 0.335% |
| 319 | 19.699 | 19.662 | 19.731 | VV | 43327  | 1171693 | 6.93%  | 0.368% |
| 320 | 19.750 | 19.731 | 19.771 | VV | 22623  | 511366  | 3.03%  | 0.161% |
| 321 | 19.787 | 19.771 | 19.859 | VV | 23217  | 978371  | 5.79%  | 0.308% |
| 322 | 19.882 | 19.859 | 19.891 | VV | 15131  | 274905  | 1.63%  | 0.086% |
| 323 | 19.912 | 19.891 | 19.952 | VV | 19355  | 584183  | 3.46%  | 0.184% |
| 324 | 20.007 | 19.952 | 20.044 | VV | 43526  | 1304280 | 7.72%  | 0.410% |
| 325 | 20.075 | 20.044 | 20.122 | VV | 25583  | 937756  | 5.55%  | 0.295% |
| 326 | 20.175 | 20.122 | 20.249 | VV | 195041 | 3717556 | 21.99% | 1.169% |
| 327 | 20.277 | 20.249 | 20.317 | VV | 16935  | 651460  | 3.85%  | 0.205% |
| 328 | 20.347 | 20.317 | 20.406 | VV | 16189  | 793614  | 4.70%  | 0.249% |
| 329 | 20.427 | 20.406 | 20.469 | VV | 14497  | 512043  | 3.03%  | 0.161% |
| 330 | 20.493 | 20.469 | 20.511 | VV | 14387  | 344761  | 2.04%  | 0.108% |
| 331 | 20.528 | 20.511 | 20.566 | VV | 14373  | 445558  | 2.64%  | 0.140% |
| 332 | 20.578 | 20.566 | 20.626 | VV | 12950  | 441326  | 2.61%  | 0.139% |
| 333 | 20.655 | 20.626 | 20.788 | VV | 12220  | 1059368 | 6.27%  | 0.333% |
| 334 | 20.798 | 20.788 | 20.829 | VV | 9718   | 233515  | 1.38%  | 0.073% |
| 335 | 20.850 | 20.829 | 20.879 | VV | 9564   | 278416  | 1.65%  | 0.088% |
| 336 | 20.928 | 20.879 | 20.989 | VV | 146234 | 2894226 | 17.12% | 0.910% |
| 337 | 21.021 | 20.989 | 21.100 | VV | 9672   | 573510  | 3.39%  | 0.180% |
| 338 | 21.131 | 21.100 | 21.175 | VV | 8208   | 333272  | 1.97%  | 0.105% |
| 339 | 21.191 | 21.175 | 21.214 | VV | 6987   | 159603  | 0.94%  | 0.050% |
| 340 | 21.242 | 21.214 | 21.305 | VV | 7828   | 365602  | 2.16%  | 0.115% |
| 341 | 21.333 | 21.305 | 21.351 | VV | 6362   | 167736  | 0.99%  | 0.053% |
| 342 | 21.417 | 21.351 | 21.562 | VV | 9419   | 824162  | 4.88%  | 0.259% |
| 343 | 21.584 | 21.562 | 21.609 | VV | 4739   | 122313  | 0.72%  | 0.038% |
| 344 | 21.631 | 21.609 | 21.684 | VV | 4846   | 175066  | 1.04%  | 0.055% |
| 345 | 21.724 | 21.684 | 21.776 | VV | 5296   | 217402  | 1.29%  | 0.068% |
| 346 | 21.870 | 21.776 | 21.941 | VV | 96175  | 2655578 | 15.71% | 0.835% |
| 347 | 21.948 | 21.941 | 22.011 | VV | 3624   | 106923  | 0.63%  | 0.034% |
| 348 | 22.019 | 22.011 | 22.041 | VV | 1737   | 29259   | 0.17%  | 0.009% |
| 349 | 22.081 | 22.041 | 22.151 | VV | 1963   | 101483  | 0.60%  | 0.032% |
| 350 | 22.163 | 22.151 | 22.267 | VV | 1275   | 46070   | 0.27%  | 0.014% |
| 351 | 22.278 | 22.267 | 22.292 | VV | 123    | 1376    | 0.01%  | 0.000% |

rters  
Sum of corrected areas: 318142375

Alaphatic EPH 051519.M Wed May 22 11:20:16 2019