

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC090319AL\  
 Data File : FC043302.D  
 Signal(s) : FID1A.CH  
 Acq On : 04 Sep 2019 4:09  
 Sample : K4618-07  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 082719.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         | 3.450       | 3.442        | 3.532      | PH       | 1978           | 30811        | 0.10%          | 0.003%        |
| 2         | 3.575       | 3.532        | 3.614      | PV       | 354            | 9164         | 0.03%          | 0.001%        |
| 3         | 3.649       | 3.614        | 3.682      | VV       | 222            | 5548         | 0.02%          | 0.001%        |
| 4         | 3.715       | 3.682        | 3.744      | VV       | 485            | 7867         | 0.02%          | 0.001%        |
| 5         | 3.761       | 3.744        | 3.800      | VV       | 574            | 9070         | 0.03%          | 0.001%        |
| 6         | 3.815       | 3.800        | 3.835      | PV       | 256            | 3720         | 0.01%          | 0.000%        |
| 7         | 3.864       | 3.835        | 3.926      | VV       | 324            | 10580        | 0.03%          | 0.001%        |
| 8         | 3.947       | 3.926        | 4.005      | PV       | 1163           | 26750        | 0.08%          | 0.003%        |
| 9         | 4.027       | 4.005        | 4.075      | VV       | 903            | 16335        | 0.05%          | 0.002%        |
| 10        | 4.144       | 4.075        | 4.189      | VV       | 1393           | 57559        | 0.18%          | 0.006%        |
| 11        | 4.202       | 4.189        | 4.260      | VV       | 1352           | 37899        | 0.12%          | 0.004%        |
| 12        | 4.282       | 4.260        | 4.303      | VV       | 2009           | 31624        | 0.10%          | 0.003%        |
| 13        | 4.314       | 4.303        | 4.361      | VV       | 958            | 26501        | 0.08%          | 0.003%        |
| 14        | 4.379       | 4.361        | 4.405      | VV       | 669            | 13745        | 0.04%          | 0.001%        |
| 15        | 4.422       | 4.405        | 4.449      | VV       | 617            | 10852        | 0.03%          | 0.001%        |
| 16        | 4.461       | 4.449        | 4.483      | VV       | 503            | 8525         | 0.03%          | 0.001%        |
| 17        | 4.506       | 4.483        | 4.540      | VV       | 2591           | 34988        | 0.11%          | 0.004%        |
| 18        | 4.556       | 4.540        | 4.571      | VV       | 760            | 10160        | 0.03%          | 0.001%        |
| 19        | 4.582       | 4.571        | 4.605      | VV       | 464            | 6885         | 0.02%          | 0.001%        |
| 20        | 4.618       | 4.605        | 4.637      | VV       | 238            | 3303         | 0.01%          | 0.000%        |
| 21        | 4.663       | 4.637        | 4.717      | PV       | 2125           | 35883        | 0.11%          | 0.004%        |
| 22        | 4.752       | 4.717        | 4.768      | VV       | 350            | 6912         | 0.02%          | 0.001%        |
| 23        | 4.788       | 4.768        | 4.817      | PV       | 1066           | 11362        | 0.04%          | 0.001%        |
| 24        | 4.835       | 4.817        | 4.847      | PV       | 570            | 4960         | 0.02%          | 0.001%        |
| 25        | 4.860       | 4.847        | 4.872      | VV       | 361            | 3825         | 0.01%          | 0.000%        |
| 26        | 4.887       | 4.872        | 4.914      | VV       | 788            | 11648        | 0.04%          | 0.001%        |
| 27        | 4.933       | 4.914        | 4.947      | VV       | 623            | 9756         | 0.03%          | 0.001%        |
| 28        | 4.959       | 4.947        | 5.017      | VV       | 1021           | 16194        | 0.05%          | 0.002%        |
| 29        | 5.043       | 5.017        | 5.069      | VV       | 426            | 6416         | 0.02%          | 0.001%        |
| 30        | 5.102       | 5.069        | 5.115      | PV       | 608            | 10371        | 0.03%          | 0.001%        |
| 31        | 5.131       | 5.115        | 5.156      | VV       | 1989           | 29522        | 0.09%          | 0.003%        |
| 32        | 5.193       | 5.156        | 5.208      | VV       | 1588           | 38854        | 0.12%          | 0.004%        |
| 33        | 5.223       | 5.208        | 5.294      | VV       | 2275           | 39025        | 0.12%          | 0.004%        |
| 34        | 5.323       | 5.294        | 5.347      | VV       | 566            | 10482        | 0.03%          | 0.001%        |
| 35        | 5.356       | 5.347        | 5.373      | VV       | 451            | 5907         | 0.02%          | 0.001%        |
| 36        | 5.416       | 5.373        | 5.463      | VV       | 1403           | 33951        | 0.11%          | 0.004%        |

|    |       |       |       |    | rteres |        |       |        |
|----|-------|-------|-------|----|--------|--------|-------|--------|
| 37 | 5.487 | 5.463 | 5.509 | VV | 546    | 9206   | 0.03% | 0.001% |
| 38 | 5.535 | 5.509 | 5.555 | VV | 4142   | 60045  | 0.19% | 0.006% |
| 39 | 5.571 | 5.555 | 5.612 | VV | 5145   | 61073  | 0.19% | 0.006% |
| 40 | 5.624 | 5.612 | 5.649 | VV | 737    | 8008   | 0.03% | 0.001% |
| 41 | 5.662 | 5.649 | 5.672 | VV | 218    | 1632   | 0.01% | 0.000% |
| 42 | 5.685 | 5.672 | 5.699 | PV | 274    | 2544   | 0.01% | 0.000% |
| 43 | 5.729 | 5.699 | 5.764 | VV | 1891   | 33161  | 0.11% | 0.004% |
| 44 | 5.775 | 5.764 | 5.788 | VV | 399    | 4829   | 0.02% | 0.001% |
| 45 | 5.821 | 5.788 | 5.854 | VV | 4071   | 68637  | 0.22% | 0.007% |
| 46 | 5.871 | 5.854 | 5.894 | VV | 2751   | 30743  | 0.10% | 0.003% |
| 47 | 5.913 | 5.894 | 5.964 | VV | 634    | 16198  | 0.05% | 0.002% |
| 48 | 5.985 | 5.964 | 6.007 | VV | 969    | 12747  | 0.04% | 0.001% |
| 49 | 6.042 | 6.007 | 6.060 | PV | 1196   | 21068  | 0.07% | 0.002% |
| 50 | 6.096 | 6.060 | 6.147 | VV | 5294   | 123104 | 0.39% | 0.013% |
| 51 | 6.165 | 6.147 | 6.190 | VV | 1865   | 31338  | 0.10% | 0.003% |
| 52 | 6.211 | 6.190 | 6.240 | VV | 3573   | 63968  | 0.20% | 0.007% |
| 53 | 6.254 | 6.240 | 6.277 | VV | 1235   | 16772  | 0.05% | 0.002% |
| 54 | 6.296 | 6.277 | 6.320 | VV | 1715   | 25437  | 0.08% | 0.003% |
| 55 | 6.339 | 6.320 | 6.368 | VV | 1748   | 34115  | 0.11% | 0.004% |
| 56 | 6.389 | 6.368 | 6.410 | VV | 1139   | 18366  | 0.06% | 0.002% |
| 57 | 6.434 | 6.410 | 6.473 | VV | 1703   | 33073  | 0.11% | 0.004% |
| 58 | 6.501 | 6.473 | 6.550 | VV | 4228   | 56300  | 0.18% | 0.006% |
| 59 | 6.563 | 6.550 | 6.590 | PV | 538    | 7706   | 0.02% | 0.001% |
| 60 | 6.646 | 6.590 | 6.687 | VV | 1932   | 44053  | 0.14% | 0.005% |
| 61 | 6.703 | 6.687 | 6.729 | PV | 1117   | 13323  | 0.04% | 0.001% |
| 62 | 6.786 | 6.729 | 6.804 | VV | 3234   | 41361  | 0.13% | 0.004% |
| 63 | 6.821 | 6.804 | 6.842 | VV | 2693   | 29782  | 0.09% | 0.003% |
| 64 | 6.856 | 6.842 | 6.874 | VV | 1993   | 22569  | 0.07% | 0.002% |
| 65 | 6.905 | 6.874 | 6.928 | VV | 3163   | 45271  | 0.14% | 0.005% |
| 66 | 6.942 | 6.928 | 6.957 | VV | 950    | 12528  | 0.04% | 0.001% |
| 67 | 6.969 | 6.957 | 6.977 | VV | 719    | 8028   | 0.03% | 0.001% |
| 68 | 7.016 | 6.977 | 7.037 | VV | 2284   | 52910  | 0.17% | 0.006% |
| 69 | 7.061 | 7.037 | 7.085 | VV | 3817   | 65751  | 0.21% | 0.007% |
| 70 | 7.098 | 7.085 | 7.120 | VV | 1541   | 25215  | 0.08% | 0.003% |
| 71 | 7.144 | 7.120 | 7.184 | VV | 6096   | 132929 | 0.42% | 0.014% |
| 72 | 7.201 | 7.184 | 7.242 | VV | 3076   | 63042  | 0.20% | 0.007% |
| 73 | 7.270 | 7.242 | 7.287 | VV | 4251   | 62113  | 0.20% | 0.007% |
| 74 | 7.297 | 7.287 | 7.315 | VV | 3098   | 40229  | 0.13% | 0.004% |
| 75 | 7.353 | 7.315 | 7.372 | VV | 2155   | 62710  | 0.20% | 0.007% |
| 76 | 7.381 | 7.372 | 7.394 | VV | 1544   | 15410  | 0.05% | 0.002% |
| 77 | 7.416 | 7.394 | 7.450 | VV | 7662   | 101517 | 0.32% | 0.011% |
| 78 | 7.483 | 7.450 | 7.495 | VV | 2175   | 43558  | 0.14% | 0.005% |
| 79 | 7.508 | 7.495 | 7.557 | VV | 2278   | 37290  | 0.12% | 0.004% |
| 80 | 7.593 | 7.557 | 7.614 | PV | 4051   | 59559  | 0.19% | 0.006% |
| 81 | 7.648 | 7.614 | 7.667 | VV | 2538   | 35880  | 0.11% | 0.004% |
| 82 | 7.691 | 7.667 | 7.703 | VV | 996    | 14844  | 0.05% | 0.002% |
| 83 | 7.864 | 7.847 | 7.877 | VV | 4162   | 65567  | 0.21% | 0.007% |
| 84 | 7.886 | 7.877 | 7.904 | VV | 3863   | 49616  | 0.16% | 0.005% |
| 85 | 7.931 | 7.904 | 7.950 | VV | 4271   | 71407  | 0.23% | 0.008% |
| 86 | 7.974 | 7.950 | 7.994 | VV | 3118   | 54198  | 0.17% | 0.006% |
| 87 | 8.018 | 7.994 | 8.038 | VV | 4867   | 91607  | 0.29% | 0.010% |
| 88 | 8.048 | 8.038 | 8.077 | VV | 3635   | 47319  | 0.15% | 0.005% |
| 89 | 8.104 | 8.077 | 8.114 | VV | 3566   | 47491  | 0.15% | 0.005% |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 90  | 8.126  | 8.114  | 8.161  | VV | 3479   | 69711  | 0.22% | 0.007% |
| 91  | 8.189  | 8.161  | 8.204  | VV | 4272   | 57114  | 0.18% | 0.006% |
| 92  | 8.222  | 8.204  | 8.237  | VV | 7175   | 97284  | 0.31% | 0.010% |
| 93  | 8.250  | 8.237  | 8.260  | VV | 5677   | 71775  | 0.23% | 0.008% |
| 94  | 8.276  | 8.260  | 8.300  | VV | 8736   | 114940 | 0.37% | 0.012% |
| 95  | 8.387  | 8.375  | 8.434  | VV | 6352   | 101033 | 0.32% | 0.011% |
| 96  | 8.444  | 8.434  | 8.472  | VV | 909    | 11075  | 0.04% | 0.001% |
| 97  | 8.493  | 8.472  | 8.517  | VV | 4814   | 65866  | 0.21% | 0.007% |
| 98  | 8.530  | 8.517  | 8.544  | VV | 1161   | 13934  | 0.04% | 0.001% |
| 99  | 8.695  | 8.674  | 8.732  | VV | 13900  | 250693 | 0.80% | 0.027% |
| 100 | 8.761  | 8.732  | 8.778  | VV | 3624   | 84756  | 0.27% | 0.009% |
| 101 | 8.806  | 8.778  | 8.835  | VV | 4718   | 102247 | 0.32% | 0.011% |
| 102 | 8.852  | 8.835  | 8.866  | VV | 2496   | 34177  | 0.11% | 0.004% |
| 103 | 8.880  | 8.866  | 8.904  | VV | 2994   | 32432  | 0.10% | 0.003% |
| 104 | 8.930  | 8.904  | 8.951  | PV | 14913  | 192119 | 0.61% | 0.020% |
| 105 | 8.962  | 8.951  | 8.987  | VV | 5656   | 95766  | 0.30% | 0.010% |
| 106 | 8.998  | 8.987  | 9.015  | VV | 5520   | 70162  | 0.22% | 0.007% |
| 107 | 9.052  | 9.015  | 9.079  | VV | 6378   | 192794 | 0.61% | 0.020% |
| 108 | 9.095  | 9.079  | 9.113  | VV | 10940  | 150695 | 0.48% | 0.016% |
| 109 | 9.139  | 9.113  | 9.164  | VV | 10103  | 172468 | 0.55% | 0.018% |
| 110 | 9.175  | 9.164  | 9.204  | VV | 2252   | 45343  | 0.14% | 0.005% |
| 111 | 9.221  | 9.204  | 9.236  | VV | 11648  | 124145 | 0.39% | 0.013% |
| 112 | 9.251  | 9.236  | 9.273  | VV | 8585   | 112163 | 0.36% | 0.012% |
| 113 | 9.291  | 9.273  | 9.312  | VV | 7686   | 96385  | 0.31% | 0.010% |
| 114 | 9.322  | 9.312  | 9.339  | VV | 2165   | 22383  | 0.07% | 0.002% |
| 115 | 9.387  | 9.339  | 9.406  | VV | 8003   | 134566 | 0.43% | 0.014% |
| 116 | 9.422  | 9.406  | 9.441  | VV | 6137   | 80030  | 0.25% | 0.008% |
| 117 | 9.464  | 9.441  | 9.511  | VV | 11323  | 276325 | 0.88% | 0.029% |
| 118 | 9.549  | 9.511  | 9.567  | VV | 14274  | 259792 | 0.83% | 0.028% |
| 119 | 9.591  | 9.567  | 9.604  | VV | 11908  | 182069 | 0.58% | 0.019% |
| 120 | 9.622  | 9.604  | 9.659  | VV | 20191  | 393356 | 1.25% | 0.042% |
| 121 | 9.683  | 9.659  | 9.731  | VV | 15155  | 358926 | 1.14% | 0.038% |
| 122 | 9.748  | 9.731  | 9.760  | VV | 2647   | 38563  | 0.12% | 0.004% |
| 123 | 9.798  | 9.760  | 9.811  | VV | 8876   | 189367 | 0.60% | 0.020% |
| 124 | 9.840  | 9.811  | 9.850  | VV | 11640  | 216137 | 0.69% | 0.023% |
| 125 | 9.866  | 9.850  | 9.912  | VV | 17112  | 377263 | 1.20% | 0.040% |
| 126 | 9.923  | 9.912  | 9.960  | VV | 6380   | 143497 | 0.46% | 0.015% |
| 127 | 9.983  | 9.960  | 10.014 | VV | 12305  | 198263 | 0.63% | 0.021% |
| 128 | 10.058 | 10.014 | 10.120 | VV | 13485  | 328002 | 1.04% | 0.035% |
| 129 | 10.139 | 10.120 | 10.153 | PV | 4638   | 52472  | 0.17% | 0.006% |
| 130 | 10.177 | 10.153 | 10.185 | VV | 5461   | 78903  | 0.25% | 0.008% |
| 131 | 10.204 | 10.185 | 10.221 | VV | 9309   | 139218 | 0.44% | 0.015% |
| 132 | 10.245 | 10.221 | 10.272 | VV | 12219  | 208906 | 0.66% | 0.022% |
| 133 | 10.286 | 10.272 | 10.295 | VV | 5514   | 62523  | 0.20% | 0.007% |
| 134 | 10.315 | 10.295 | 10.327 | VV | 18408  | 238972 | 0.76% | 0.025% |
| 135 | 10.345 | 10.327 | 10.367 | VV | 23298  | 386519 | 1.23% | 0.041% |
| 136 | 10.387 | 10.367 | 10.424 | VV | 30737  | 515457 | 1.64% | 0.055% |
| 137 | 10.468 | 10.424 | 10.509 | VV | 27825  | 852076 | 2.71% | 0.090% |
| 138 | 10.536 | 10.509 | 10.562 | VV | 16419  | 399230 | 1.27% | 0.042% |
| 139 | 10.596 | 10.562 | 10.622 | VV | 32629  | 650515 | 2.07% | 0.069% |
| 140 | 10.631 | 10.622 | 10.644 | VV | 13850  | 167091 | 0.53% | 0.018% |
| 141 | 10.657 | 10.644 | 10.669 | VV | 13297  | 185810 | 0.59% | 0.020% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 10.682 | 10.669 | 10.717 | VV | 13115  | 282084  | 0.90%  | 0.030% |
| 143    | 10.740 | 10.717 | 10.784 | VV | 13244  | 349051  | 1.11%  | 0.037% |
| 144    | 10.821 | 10.784 | 10.840 | VV | 12584  | 291188  | 0.92%  | 0.031% |
| 145    | 10.868 | 10.840 | 10.922 | VV | 63020  | 1144968 | 3.64%  | 0.121% |
| 146    | 10.948 | 10.922 | 10.974 | VV | 24898  | 461078  | 1.46%  | 0.049% |
| 147    | 10.989 | 10.974 | 11.019 | VV | 12354  | 244299  | 0.78%  | 0.026% |
| 148    | 11.040 | 11.019 | 11.058 | VV | 12728  | 237437  | 0.75%  | 0.025% |
| 149    | 11.071 | 11.058 | 11.096 | VV | 11200  | 207774  | 0.66%  | 0.022% |
| 150    | 11.126 | 11.096 | 11.145 | VV | 15383  | 316231  | 1.00%  | 0.034% |
| 151    | 11.169 | 11.145 | 11.188 | VV | 30610  | 492676  | 1.56%  | 0.052% |
| 152    | 11.208 | 11.188 | 11.239 | VV | 34623  | 688590  | 2.19%  | 0.073% |
| 153    | 11.254 | 11.239 | 11.274 | VV | 32088  | 463288  | 1.47%  | 0.049% |
| 154    | 11.289 | 11.274 | 11.308 | VV | 20285  | 301630  | 0.96%  | 0.032% |
| 155    | 11.343 | 11.308 | 11.364 | VV | 19372  | 512330  | 1.63%  | 0.054% |
| 156    | 11.382 | 11.364 | 11.420 | VV | 27630  | 671038  | 2.13%  | 0.071% |
| 157    | 11.453 | 11.420 | 11.473 | VV | 18105  | 421532  | 1.34%  | 0.045% |
| 158    | 11.516 | 11.473 | 11.534 | VV | 22568  | 526648  | 1.67%  | 0.056% |
| 159    | 11.545 | 11.534 | 11.560 | VV | 13941  | 194169  | 0.62%  | 0.021% |
| 160    | 11.571 | 11.560 | 11.582 | VV | 12607  | 144421  | 0.46%  | 0.015% |
| 161    | 11.618 | 11.582 | 11.643 | VV | 419583 | 4731938 | 15.03% | 0.502% |
| 162    | 11.663 | 11.643 | 11.679 | VV | 113117 | 1289215 | 4.09%  | 0.137% |
| 163    | 11.695 | 11.679 | 11.725 | VV | 132248 | 1704611 | 5.41%  | 0.181% |
| 164    | 11.763 | 11.725 | 11.791 | VV | 80777  | 1446604 | 4.59%  | 0.153% |
| 165    | 11.812 | 11.791 | 11.825 | VV | 56426  | 821948  | 2.61%  | 0.087% |
| 166    | 11.843 | 11.825 | 11.890 | VV | 83902  | 1574274 | 5.00%  | 0.167% |
| 167    | 11.912 | 11.890 | 11.927 | VV | 21727  | 375928  | 1.19%  | 0.040% |
| 168    | 11.959 | 11.927 | 11.982 | VV | 39217  | 890106  | 2.83%  | 0.094% |
| 169    | 11.998 | 11.982 | 12.019 | VV | 36773  | 590012  | 1.87%  | 0.063% |
| 170    | 12.028 | 12.019 | 12.050 | VV | 22878  | 355601  | 1.13%  | 0.038% |
| 171    | 12.090 | 12.050 | 12.109 | VV | 19575  | 612010  | 1.94%  | 0.065% |
| 172    | 12.132 | 12.109 | 12.148 | VV | 37620  | 620715  | 1.97%  | 0.066% |
| 173    | 12.158 | 12.148 | 12.178 | VV | 28107  | 431365  | 1.37%  | 0.046% |
| 174    | 12.202 | 12.178 | 12.250 | VV | 24096  | 810126  | 2.57%  | 0.086% |
| 175    | 12.274 | 12.250 | 12.297 | VV | 65646  | 959378  | 3.05%  | 0.102% |
| 176    | 12.309 | 12.297 | 12.330 | VV | 21418  | 368250  | 1.17%  | 0.039% |
| 177    | 12.378 | 12.330 | 12.391 | VV | 75654  | 1294868 | 4.11%  | 0.137% |
| 178    | 12.401 | 12.391 | 12.424 | VV | 62880  | 822230  | 2.61%  | 0.087% |
| 179    | 12.448 | 12.424 | 12.489 | VV | 149310 | 2811154 | 8.93%  | 0.298% |
| 180    | 12.528 | 12.489 | 12.539 | VV | 65246  | 1261549 | 4.01%  | 0.134% |
| 181    | 12.559 | 12.539 | 12.576 | VV | 171134 | 2380448 | 7.56%  | 0.252% |
| 182    | 12.592 | 12.576 | 12.609 | VV | 102873 | 1665519 | 5.29%  | 0.177% |
| 183    | 12.620 | 12.609 | 12.645 | VV | 87927  | 1345884 | 4.27%  | 0.143% |
| 184    | 12.676 | 12.645 | 12.755 | VV | 142484 | 3319592 | 10.54% | 0.352% |
| 185    | 12.795 | 12.755 | 12.811 | VV | 49524  | 1280646 | 4.07%  | 0.136% |
| 186    | 12.828 | 12.811 | 12.849 | VV | 74926  | 1161552 | 3.69%  | 0.123% |
| 187    | 12.865 | 12.849 | 12.875 | VV | 49319  | 670810  | 2.13%  | 0.071% |
| 188    | 12.886 | 12.875 | 12.899 | VV | 55356  | 705000  | 2.24%  | 0.075% |
| 189    | 12.907 | 12.899 | 12.941 | VV | 46203  | 969602  | 3.08%  | 0.103% |
| 190    | 12.975 | 12.941 | 13.012 | VV | 301729 | 4726504 | 15.01% | 0.501% |
| 191    | 13.041 | 13.012 | 13.083 | VV | 379390 | 5925511 | 18.82% | 0.628% |
| 192    | 13.113 | 13.083 | 13.160 | VV | 96652  | 3322720 | 10.55% | 0.352% |
| 193    | 13.177 | 13.160 | 13.216 | VV | 59005  | 1614380 | 5.13%  | 0.171% |
| 194    | 13.248 | 13.216 | 13.280 | VV | 102672 | 2684240 | 8.52%  | 0.285% |

| rteres |        |        |        |    |         |          |        |        |
|--------|--------|--------|--------|----|---------|----------|--------|--------|
| 195    | 13.301 | 13.280 | 13.342 | VV | 126061  | 2681805  | 8.52%  | 0.284% |
| 196    | 13.364 | 13.342 | 13.379 | VV | 102236  | 1573250  | 5.00%  | 0.167% |
| 197    | 13.398 | 13.379 | 13.416 | VV | 104380  | 1914746  | 6.08%  | 0.203% |
| 198    | 13.434 | 13.416 | 13.452 | VV | 114915  | 1978061  | 6.28%  | 0.210% |
| 199    | 13.465 | 13.452 | 13.486 | VV | 87838   | 1512904  | 4.80%  | 0.160% |
| 200    | 13.502 | 13.486 | 13.527 | VV | 76835   | 1681961  | 5.34%  | 0.178% |
| 201    | 13.563 | 13.527 | 13.607 | VV | 226328  | 5992399  | 19.03% | 0.635% |
| 202    | 13.624 | 13.607 | 13.643 | VV | 81648   | 1391000  | 4.42%  | 0.147% |
| 203    | 13.671 | 13.643 | 13.690 | VV | 167840  | 2959581  | 9.40%  | 0.314% |
| 204    | 13.714 | 13.690 | 13.769 | VV | 396076  | 7767963  | 24.67% | 0.824% |
| 205    | 13.779 | 13.769 | 13.799 | VV | 87763   | 1481228  | 4.70%  | 0.157% |
| 206    | 13.840 | 13.799 | 13.862 | VV | 243038  | 5608255  | 17.81% | 0.595% |
| 207    | 13.882 | 13.862 | 13.935 | VV | 129576  | 3963169  | 12.59% | 0.420% |
| 208    | 13.963 | 13.935 | 13.989 | VV | 83171   | 2405814  | 7.64%  | 0.255% |
| 209    | 14.021 | 13.989 | 14.032 | VV | 81545   | 1946709  | 6.18%  | 0.206% |
| 210    | 14.041 | 14.032 | 14.057 | VV | 78874   | 1132034  | 3.59%  | 0.120% |
| 211    | 14.090 | 14.057 | 14.120 | VV | 91799   | 3140844  | 9.97%  | 0.333% |
| 212    | 14.147 | 14.120 | 14.188 | VV | 143007  | 4221644  | 13.41% | 0.448% |
| 213    | 14.267 | 14.188 | 14.284 | VV | 245126  | 8564739  | 27.20% | 0.908% |
| 214    | 14.299 | 14.284 | 14.334 | VV | 343341  | 5555853  | 17.64% | 0.589% |
| 215    | 14.376 | 14.334 | 14.390 | VV | 190973  | 5322658  | 16.90% | 0.564% |
| 216    | 14.403 | 14.390 | 14.422 | VV | 236245  | 3879911  | 12.32% | 0.411% |
| 217    | 14.434 | 14.422 | 14.452 | VV | 206013  | 3213408  | 10.20% | 0.341% |
| 218    | 14.480 | 14.452 | 14.494 | VV | 229124  | 4689035  | 14.89% | 0.497% |
| 219    | 14.506 | 14.494 | 14.523 | VV | 225437  | 3430040  | 10.89% | 0.364% |
| 220    | 14.541 | 14.523 | 14.562 | VV | 209180  | 3804988  | 12.08% | 0.403% |
| 221    | 14.576 | 14.562 | 14.607 | VV | 125892  | 3297839  | 10.47% | 0.350% |
| 222    | 14.627 | 14.607 | 14.674 | VV | 136712  | 4755446  | 15.10% | 0.504% |
| 223    | 14.690 | 14.674 | 14.714 | VV | 110058  | 2559735  | 8.13%  | 0.271% |
| 224    | 14.744 | 14.714 | 14.764 | VV | 121962  | 3394610  | 10.78% | 0.360% |
| 225    | 14.788 | 14.764 | 14.796 | VV | 157299  | 2638170  | 8.38%  | 0.280% |
| 226    | 14.810 | 14.796 | 14.830 | VV | 176824  | 3196297  | 10.15% | 0.339% |
| 227    | 14.860 | 14.830 | 14.880 | VV | 618895  | 10446447 | 33.17% | 1.107% |
| 228    | 14.907 | 14.880 | 14.924 | VV | 875154  | 12687703 | 40.29% | 1.345% |
| 229    | 14.934 | 14.924 | 14.952 | VV | 294272  | 4438308  | 14.09% | 0.471% |
| 230    | 14.963 | 14.952 | 14.985 | VV | 245591  | 4328637  | 13.75% | 0.459% |
| 231    | 15.025 | 14.985 | 15.044 | VV | 243304  | 7403601  | 23.51% | 0.785% |
| 232    | 15.060 | 15.044 | 15.079 | VV | 274790  | 4925190  | 15.64% | 0.522% |
| 233    | 15.096 | 15.079 | 15.142 | VV | 216519  | 7133805  | 22.65% | 0.756% |
| 234    | 15.165 | 15.142 | 15.193 | VV | 217117  | 5785674  | 18.37% | 0.613% |
| 235    | 15.206 | 15.193 | 15.230 | VV | 191439  | 3736171  | 11.86% | 0.396% |
| 236    | 15.250 | 15.230 | 15.259 | VV | 160769  | 2568629  | 8.16%  | 0.272% |
| 237    | 15.277 | 15.259 | 15.382 | VV | 198949  | 11590918 | 36.81% | 1.229% |
| 238    | 15.415 | 15.382 | 15.427 | VV | 177908  | 4212274  | 13.38% | 0.447% |
| 239    | 15.441 | 15.427 | 15.462 | VV | 186522  | 3542253  | 11.25% | 0.376% |
| 240    | 15.486 | 15.462 | 15.506 | VV | 301918  | 6017170  | 19.11% | 0.638% |
| 241    | 15.545 | 15.506 | 15.562 | VV | 1085257 | 20337040 | 64.58% | 2.156% |
| 242    | 15.579 | 15.562 | 15.616 | VV | 731549  | 12275990 | 38.98% | 1.301% |
| 243    | 15.640 | 15.616 | 15.660 | VV | 247698  | 5700099  | 18.10% | 0.604% |
| 244    | 15.685 | 15.660 | 15.740 | VV | 388357  | 13636791 | 43.31% | 1.446% |
| 245    | 15.763 | 15.740 | 15.782 | VV | 272600  | 5372703  | 17.06% | 0.570% |
| 246    | 15.815 | 15.782 | 15.830 | VV | 192982  | 5260668  | 16.71% | 0.558% |

| rteres |        |        |        |    |         |          |         |        |
|--------|--------|--------|--------|----|---------|----------|---------|--------|
| 247    | 15.847 | 15.830 | 15.890 | VV | 245345  | 6602547  | 20.97%  | 0.700% |
| 248    | 15.917 | 15.890 | 15.932 | VV | 178226  | 4017044  | 12.76%  | 0.426% |
| 249    | 15.957 | 15.932 | 15.987 | VV | 213256  | 6158975  | 19.56%  | 0.653% |
| 250    | 16.023 | 15.987 | 16.049 | VV | 221162  | 6924649  | 21.99%  | 0.734% |
| 251    | 16.081 | 16.049 | 16.097 | VV | 198263  | 5076353  | 16.12%  | 0.538% |
| 252    | 16.130 | 16.097 | 16.153 | VV | 501097  | 11717829 | 37.21%  | 1.242% |
| 253    | 16.170 | 16.153 | 16.190 | VV | 446785  | 7468007  | 23.72%  | 0.792% |
| 254    | 16.226 | 16.190 | 16.253 | VV | 375534  | 11076523 | 35.17%  | 1.174% |
| 255    | 16.331 | 16.253 | 16.367 | VV | 347765  | 17487671 | 55.53%  | 1.854% |
| 256    | 16.389 | 16.367 | 16.400 | VV | 324011  | 5277023  | 16.76%  | 0.559% |
| 257    | 16.426 | 16.400 | 16.519 | VV | 497068  | 18928438 | 60.11%  | 2.007% |
| 258    | 16.597 | 16.519 | 16.619 | VV | 226533  | 11227238 | 35.65%  | 1.190% |
| 259    | 16.636 | 16.619 | 16.659 | VV | 186225  | 4119342  | 13.08%  | 0.437% |
| 260    | 16.711 | 16.659 | 16.725 | VV | 281942  | 8884625  | 28.21%  | 0.942% |
| 261    | 16.754 | 16.725 | 16.782 | VV | 612298  | 13035106 | 41.39%  | 1.382% |
| 262    | 16.813 | 16.782 | 16.832 | VV | 540233  | 10202382 | 32.40%  | 1.082% |
| 263    | 16.844 | 16.832 | 16.869 | VV | 281187  | 5450325  | 17.31%  | 0.578% |
| 264    | 16.885 | 16.869 | 16.909 | VV | 215293  | 4976209  | 15.80%  | 0.528% |
| 265    | 16.933 | 16.909 | 16.964 | VV | 256856  | 7438705  | 23.62%  | 0.789% |
| 266    | 16.985 | 16.964 | 16.998 | VV | 250990  | 4572595  | 14.52%  | 0.485% |
| 267    | 17.049 | 16.998 | 17.129 | VV | 312149  | 19260844 | 61.17%  | 2.042% |
| 268    | 17.167 | 17.129 | 17.245 | VV | 304990  | 15818531 | 50.23%  | 1.677% |
| 269    | 17.266 | 17.245 | 17.277 | VV | 186430  | 3289969  | 10.45%  | 0.349% |
| 270    | 17.310 | 17.277 | 17.323 | VV | 521853  | 10109257 | 32.10%  | 1.072% |
| 271    | 17.336 | 17.323 | 17.364 | VV | 531639  | 8575870  | 27.23%  | 0.909% |
| 272    | 17.397 | 17.364 | 17.449 | VV | 316191  | 12590398 | 39.98%  | 1.335% |
| 273    | 17.477 | 17.449 | 17.549 | VV | 269317  | 12454049 | 39.55%  | 1.320% |
| 274    | 17.563 | 17.549 | 17.583 | VV | 198095  | 3686856  | 11.71%  | 0.391% |
| 275    | 17.610 | 17.583 | 17.625 | VV | 211197  | 4732298  | 15.03%  | 0.502% |
| 276    | 17.645 | 17.625 | 17.662 | VV | 222813  | 4476275  | 14.21%  | 0.475% |
| 277    | 17.672 | 17.662 | 17.686 | VV | 203167  | 2796587  | 8.88%   | 0.296% |
| 278    | 17.706 | 17.686 | 17.717 | VV | 226614  | 3942920  | 12.52%  | 0.418% |
| 279    | 17.767 | 17.717 | 17.809 | VV | 307511  | 14118493 | 44.83%  | 1.497% |
| 280    | 17.851 | 17.809 | 17.927 | VV | 344743  | 17865789 | 56.73%  | 1.894% |
| 281    | 17.986 | 17.927 | 18.008 | VV | 217518  | 9421821  | 29.92%  | 0.999% |
| 282    | 18.026 | 18.008 | 18.051 | VV | 202350  | 4759848  | 15.12%  | 0.505% |
| 283    | 18.084 | 18.051 | 18.139 | VV | 270143  | 10599531 | 33.66%  | 1.124% |
| 284    | 18.156 | 18.139 | 18.170 | VV | 193341  | 3404429  | 10.81%  | 0.361% |
| 285    | 18.198 | 18.170 | 18.250 | VV | 270920  | 11604308 | 36.85%  | 1.230% |
| 286    | 18.258 | 18.250 | 18.284 | VV | 208699  | 3976275  | 12.63%  | 0.422% |
| 287    | 18.314 | 18.284 | 18.327 | VV | 255024  | 5677349  | 18.03%  | 0.602% |
| 288    | 18.348 | 18.327 | 18.384 | VV | 308103  | 7912976  | 25.13%  | 0.839% |
| 289    | 18.398 | 18.384 | 18.407 | VV | 168837  | 2209870  | 7.02%   | 0.234% |
| 290    | 18.451 | 18.407 | 18.500 | VV | 420029  | 13077278 | 41.53%  | 1.386% |
| 291    | 18.564 | 18.500 | 18.604 | VV | 214894  | 10935080 | 34.73%  | 1.159% |
| 292    | 18.614 | 18.604 | 18.637 | VV | 150476  | 2871450  | 9.12%   | 0.304% |
| 293    | 18.662 | 18.637 | 18.694 | VV | 175565  | 5276689  | 16.76%  | 0.559% |
| 294    | 18.749 | 18.694 | 18.767 | VV | 223693  | 8216776  | 26.09%  | 0.871% |
| 295    | 18.778 | 18.767 | 18.801 | VV | 205340  | 3974227  | 12.62%  | 0.421% |
| 296    | 18.818 | 18.801 | 18.829 | VV | 199864  | 3106439  | 9.86%   | 0.329% |
| 297    | 18.859 | 18.829 | 18.909 | VV | 612676  | 15944349 | 50.63%  | 1.690% |
| 298    | 18.981 | 18.909 | 19.037 | VV | 1066524 | 31489952 | 100.00% | 3.338% |
| 299    | 19.057 | 19.037 | 19.080 | VV | 191694  | 4514061  | 14.33%  | 0.479% |

|     |        |        |        |    |                         |          |           |        |
|-----|--------|--------|--------|----|-------------------------|----------|-----------|--------|
|     |        |        |        |    |                         | rters    |           |        |
| 300 | 19.104 | 19.080 | 19.185 | VV | 269778                  | 11846657 | 37.62%    | 1.256% |
| 301 | 19.223 | 19.185 | 19.252 | VV | 175215                  | 6258905  | 19.88%    | 0.664% |
| 302 | 19.267 | 19.252 | 19.295 | VV | 145774                  | 3538376  | 11.24%    | 0.375% |
| 303 | 19.316 | 19.295 | 19.324 | VV | 152993                  | 2417411  | 7.68%     | 0.256% |
| 304 | 19.342 | 19.324 | 19.368 | VV | 153509                  | 3924156  | 12.46%    | 0.416% |
| 305 | 19.394 | 19.368 | 19.403 | VV | 156242                  | 3060098  | 9.72%     | 0.324% |
| 306 | 19.425 | 19.403 | 19.489 | VV | 215560                  | 8348271  | 26.51%    | 0.885% |
| 307 | 19.507 | 19.489 | 19.533 | VV | 133810                  | 3300068  | 10.48%    | 0.350% |
| 308 | 19.604 | 19.533 | 19.637 | VV | 185048                  | 9198055  | 29.21%    | 0.975% |
| 309 | 19.662 | 19.637 | 19.688 | VV | 151059                  | 3932264  | 12.49%    | 0.417% |
| 310 | 19.716 | 19.688 | 19.739 | VV | 133743                  | 3782102  | 12.01%    | 0.401% |
| 311 | 19.746 | 19.739 | 19.782 | VV | 135345                  | 3000447  | 9.53%     | 0.318% |
| 312 | 19.808 | 19.782 | 19.840 | VV | 103053                  | 3470623  | 11.02%    | 0.368% |
| 313 | 19.881 | 19.840 | 19.927 | VV | 134641                  | 5707475  | 18.12%    | 0.605% |
| 314 | 19.979 | 19.927 | 20.022 | VV | 253458                  | 8153994  | 25.89%    | 0.864% |
| 315 | 20.042 | 20.022 | 20.059 | VV | 119404                  | 2468291  | 7.84%     | 0.262% |
| 316 | 20.078 | 20.059 | 20.107 | VV | 132607                  | 3381847  | 10.74%    | 0.359% |
| 317 | 20.118 | 20.107 | 20.145 | VV | 103683                  | 2286326  | 7.26%     | 0.242% |
| 318 | 20.192 | 20.145 | 20.205 | VV | 112073                  | 3719329  | 11.81%    | 0.394% |
| 319 | 20.218 | 20.205 | 20.264 | VV | 108602                  | 3516287  | 11.17%    | 0.373% |
| 320 | 20.314 | 20.264 | 20.364 | VV | 114098                  | 5530741  | 17.56%    | 0.586% |
| 321 | 20.389 | 20.364 | 20.402 | VV | 109302                  | 2217051  | 7.04%     | 0.235% |
| 322 | 20.448 | 20.402 | 20.480 | VV | 143133                  | 5730780  | 18.20%    | 0.608% |
| 323 | 20.486 | 20.480 | 20.530 | VV | 103059                  | 2482551  | 7.88%     | 0.263% |
| 324 | 20.554 | 20.530 | 20.584 | VV | 79058                   | 2301144  | 7.31%     | 0.244% |
| 325 | 20.636 | 20.584 | 20.703 | VV | 92478                   | 5250452  | 16.67%    | 0.557% |
| 326 | 20.711 | 20.703 | 20.734 | VV | 64815                   | 1178251  | 3.74%     | 0.125% |
| 327 | 20.748 | 20.734 | 20.771 | VV | 66622                   | 1416244  | 4.50%     | 0.150% |
| 328 | 20.800 | 20.771 | 20.825 | VV | 73459                   | 2114050  | 6.71%     | 0.224% |
| 329 | 20.852 | 20.825 | 20.880 | VV | 66756                   | 2084511  | 6.62%     | 0.221% |
| 330 | 20.890 | 20.880 | 20.927 | VV | 63523                   | 1668361  | 5.30%     | 0.177% |
| 331 | 20.946 | 20.927 | 21.019 | VV | 61942                   | 2756733  | 8.75%     | 0.292% |
| 332 | 21.030 | 21.019 | 21.047 | VV | 38745                   | 618984   | 1.97%     | 0.066% |
| 333 | 21.094 | 21.047 | 21.142 | VV | 45538                   | 2059033  | 6.54%     | 0.218% |
| 334 | 21.194 | 21.142 | 21.264 | VV | 39772                   | 2453042  | 7.79%     | 0.260% |
| 335 | 21.312 | 21.264 | 21.353 | VV | 36489                   | 1614136  | 5.13%     | 0.171% |
| 336 | 21.377 | 21.353 | 21.390 | VV | 32023                   | 685076   | 2.18%     | 0.073% |
| 337 | 21.412 | 21.390 | 21.475 | VV | 35608                   | 1386627  | 4.40%     | 0.147% |
| 338 | 21.483 | 21.475 | 21.554 | VV | 20217                   | 637058   | 2.02%     | 0.068% |
| 339 | 21.584 | 21.554 | 21.617 | VV | 10390                   | 316298   | 1.00%     | 0.034% |
| 340 | 21.647 | 21.617 | 21.672 | VV | 8911                    | 220517   | 0.70%     | 0.023% |
| 341 | 21.718 | 21.672 | 21.757 | VV | 24486                   | 607743   | 1.93%     | 0.064% |
| 342 | 21.794 | 21.757 | 21.834 | VV | 20138                   | 418399   | 1.33%     | 0.044% |
|     |        |        |        |    | Sum of corrected areas: |          | 943271492 |        |

Alaphatic EPH 082719.M Wed Sep 04 10:31:06 2019