

rteres  
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC061819AL\  
Data File : FC041861.D  
Signal(s) : FID1A.CH  
Acq On : 19 Jun 2019 6:25  
Sample : K3157-05DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 061219.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         | 3.495       | 3.480        | 3.855      | PV       | 254            | 3503         | 0.05%          | 0.005%        |
| 2         | 3.869       | 3.855        | 3.915      | PV       | 217            | 3512         | 0.05%          | 0.005%        |
| 3         | 3.925       | 3.915        | 3.968      | PV       | 121            | 2225         | 0.03%          | 0.003%        |
| 4         | 3.975       | 3.968        | 4.034      | VV       | 144            | 2172         | 0.03%          | 0.003%        |
| 5         | 4.076       | 4.034        | 4.130      | PV       | 200            | 5396         | 0.08%          | 0.007%        |
| 6         | 4.151       | 4.130        | 4.198      | PV       | 299            | 5590         | 0.08%          | 0.007%        |
| 7         | 4.207       | 4.198        | 4.216      | PV       | 131            | 1073         | 0.02%          | 0.001%        |
| 8         | 4.227       | 4.216        | 4.256      | VV       | 180            | 2731         | 0.04%          | 0.004%        |
| 9         | 4.266       | 4.256        | 4.306      | VV       | 137            | 1923         | 0.03%          | 0.003%        |
| 10        | 4.334       | 4.306        | 4.432      | VV       | 147            | 6901         | 0.10%          | 0.009%        |
| 11        | 4.438       | 4.432        | 4.536      | VV       | 108            | 4270         | 0.06%          | 0.006%        |
| 12        | 4.562       | 4.536        | 4.617      | PV       | 284            | 6255         | 0.09%          | 0.008%        |
| 13        | 4.647       | 4.628        | 4.672      | VV       | 544            | 6471         | 0.10%          | 0.008%        |
| 14        | 4.676       | 4.672        | 4.696      | VV       | 114            | 1660         | 0.03%          | 0.002%        |
| 15        | 4.709       | 4.696        | 4.751      | VV       | 281            | 5050         | 0.08%          | 0.007%        |
| 16        | 4.759       | 4.751        | 4.774      | VV       | 168            | 1767         | 0.03%          | 0.002%        |
| 17        | 4.783       | 4.774        | 4.804      | VV       | 121            | 1964         | 0.03%          | 0.003%        |
| 18        | 4.815       | 4.804        | 4.833      | VV       | 144            | 1452         | 0.02%          | 0.002%        |
| 19        | 4.846       | 4.833        | 4.901      | PV       | 98             | 3176         | 0.05%          | 0.004%        |
| 20        | 4.914       | 4.901        | 4.935      | VV       | 199            | 2105         | 0.03%          | 0.003%        |
| 21        | 4.946       | 4.935        | 5.029      | VV       | 129            | 4996         | 0.08%          | 0.007%        |
| 22        | 5.056       | 5.029        | 5.085      | VV       | 149            | 2805         | 0.04%          | 0.004%        |
| 23        | 5.116       | 5.103        | 5.138      | VV       | 177            | 2211         | 0.03%          | 0.003%        |
| 24        | 5.147       | 5.138        | 5.176      | VV       | 147            | 2336         | 0.04%          | 0.003%        |
| 25        | 5.195       | 5.176        | 5.222      | VV       | 232            | 3602         | 0.05%          | 0.005%        |
| 26        | 5.237       | 5.222        | 5.269      | VV       | 122            | 2545         | 0.04%          | 0.003%        |
| 27        | 5.284       | 5.269        | 5.294      | VV       | 178            | 1474         | 0.02%          | 0.002%        |
| 28        | 5.304       | 5.294        | 5.337      | VV       | 186            | 2619         | 0.04%          | 0.003%        |
| 29        | 5.346       | 5.337        | 5.384      | VV       | 111            | 1809         | 0.03%          | 0.002%        |
| 30        | 5.417       | 5.384        | 5.468      | VV       | 261            | 4731         | 0.07%          | 0.006%        |

| rteres |       |       |       |    |     |       |       |        |  |
|--------|-------|-------|-------|----|-----|-------|-------|--------|--|
| 31     | 5.478 | 5.468 | 5.512 | VV | 200 | 2759  | 0.04% | 0.004% |  |
| 32     | 5.532 | 5.512 | 5.556 | VV | 124 | 1846  | 0.03% | 0.002% |  |
| 33     | 5.596 | 5.556 | 5.624 | VV | 291 | 5987  | 0.09% | 0.008% |  |
| 34     | 5.635 | 5.624 | 5.682 | VV | 333 | 5187  | 0.08% | 0.007% |  |
| 35     | 5.693 | 5.682 | 5.719 | VV | 132 | 1632  | 0.02% | 0.002% |  |
|        |       |       |       |    |     |       |       |        |  |
| 36     | 5.730 | 5.719 | 5.767 | VV | 138 | 1722  | 0.03% | 0.002% |  |
| 37     | 5.774 | 5.767 | 5.820 | VV | 100 | 2601  | 0.04% | 0.003% |  |
| 38     | 5.864 | 5.820 | 5.873 | PV | 127 | 2421  | 0.04% | 0.003% |  |
| 39     | 5.897 | 5.873 | 5.921 | VV | 171 | 2852  | 0.04% | 0.004% |  |
| 40     | 5.945 | 5.921 | 5.961 | VV | 126 | 1714  | 0.03% | 0.002% |  |
|        |       |       |       |    |     |       |       |        |  |
| 41     | 5.983 | 5.961 | 5.994 | VV | 177 | 2021  | 0.03% | 0.003% |  |
| 42     | 5.995 | 5.994 | 6.037 | VV | 213 | 2333  | 0.04% | 0.003% |  |
| 43     | 6.046 | 6.037 | 6.072 | VV | 122 | 2098  | 0.03% | 0.003% |  |
| 44     | 6.089 | 6.072 | 6.125 | VV | 187 | 3786  | 0.06% | 0.005% |  |
| 45     | 6.155 | 6.125 | 6.216 | VV | 497 | 11686 | 0.18% | 0.015% |  |
|        |       |       |       |    |     |       |       |        |  |
| 46     | 6.234 | 6.216 | 6.256 | VV | 244 | 3483  | 0.05% | 0.005% |  |
| 47     | 6.281 | 6.256 | 6.309 | VV | 530 | 8992  | 0.14% | 0.012% |  |
| 48     | 6.321 | 6.309 | 6.355 | VV | 207 | 4456  | 0.07% | 0.006% |  |
| 49     | 6.418 | 6.355 | 6.433 | VV | 409 | 9526  | 0.14% | 0.012% |  |
| 50     | 6.453 | 6.433 | 6.486 | VV | 289 | 7667  | 0.12% | 0.010% |  |
|        |       |       |       |    |     |       |       |        |  |
| 51     | 6.496 | 6.486 | 6.539 | VV | 319 | 8620  | 0.13% | 0.011% |  |
| 52     | 6.570 | 6.539 | 6.681 | VV | 420 | 17794 | 0.27% | 0.023% |  |
| 53     | 6.719 | 6.681 | 6.760 | VV | 203 | 6910  | 0.10% | 0.009% |  |
| 54     | 6.770 | 6.760 | 6.797 | PV | 163 | 2207  | 0.03% | 0.003% |  |
| 55     | 6.847 | 6.832 | 6.877 | VV | 193 | 3327  | 0.05% | 0.004% |  |
|        |       |       |       |    |     |       |       |        |  |
| 56     | 6.893 | 6.877 | 6.933 | VV | 188 | 3766  | 0.06% | 0.005% |  |
| 57     | 6.982 | 6.933 | 7.032 | VV | 300 | 9577  | 0.15% | 0.012% |  |
| 58     | 7.045 | 7.032 | 7.072 | VV | 340 | 4086  | 0.06% | 0.005% |  |
| 59     | 7.096 | 7.072 | 7.126 | VV | 335 | 6705  | 0.10% | 0.009% |  |
| 60     | 7.136 | 7.126 | 7.172 | VV | 241 | 4780  | 0.07% | 0.006% |  |
|        |       |       |       |    |     |       |       |        |  |
| 61     | 7.206 | 7.172 | 7.260 | VV | 393 | 11117 | 0.17% | 0.014% |  |
| 62     | 7.275 | 7.260 | 7.321 | VV | 275 | 7119  | 0.11% | 0.009% |  |
| 63     | 7.343 | 7.321 | 7.380 | VV | 346 | 9784  | 0.15% | 0.013% |  |
| 64     | 7.389 | 7.380 | 7.412 | VV | 281 | 5101  | 0.08% | 0.007% |  |
| 65     | 7.437 | 7.412 | 7.447 | VV | 352 | 5888  | 0.09% | 0.008% |  |
|        |       |       |       |    |     |       |       |        |  |
| 66     | 7.455 | 7.447 | 7.465 | VV | 432 | 3338  | 0.05% | 0.004% |  |
| 67     | 7.488 | 7.465 | 7.537 | VV | 751 | 15255 | 0.23% | 0.020% |  |
| 68     | 7.542 | 7.537 | 7.560 | VV | 111 | 1411  | 0.02% | 0.002% |  |
| 69     | 7.568 | 7.560 | 7.577 | VV | 131 | 1036  | 0.02% | 0.001% |  |
| 70     | 7.582 | 7.577 | 7.634 | VV | 145 | 2232  | 0.03% | 0.003% |  |
|        |       |       |       |    |     |       |       |        |  |
| 71     | 7.672 | 7.634 | 7.684 | VV | 187 | 3411  | 0.05% | 0.004% |  |
| 72     | 7.693 | 7.684 | 7.747 | VV | 88  | 2726  | 0.04% | 0.004% |  |
| 73     | 7.891 | 7.856 | 7.971 | VV | 907 | 38908 | 0.59% | 0.051% |  |
| 74     | 8.010 | 7.971 | 8.037 | VV | 377 | 10977 | 0.17% | 0.014% |  |
| 75     | 8.058 | 8.037 | 8.071 | VV | 351 | 4990  | 0.08% | 0.007% |  |
|        |       |       |       |    |     |       |       |        |  |
| 76     | 8.078 | 8.071 | 8.088 | VV | 262 | 2504  | 0.04% | 0.003% |  |
| 77     | 8.105 | 8.088 | 8.122 | VV | 382 | 5800  | 0.09% | 0.008% |  |

| rteres |        |        |        |    |      |       |       |        |  |
|--------|--------|--------|--------|----|------|-------|-------|--------|--|
| 78     | 8.132  | 8.122  | 8.162  | VV | 359  | 6014  | 0.09% | 0.008% |  |
| 79     | 8.178  | 8.162  | 8.214  | VV | 508  | 11141 | 0.17% | 0.015% |  |
| 80     | 8.253  | 8.214  | 8.280  | VV | 558  | 17294 | 0.26% | 0.023% |  |
| 81     | 8.299  | 8.280  | 8.309  | VV | 872  | 10979 | 0.17% | 0.014% |  |
| 82     | 8.352  | 8.309  | 8.394  | VV | 1441 | 42001 | 0.64% | 0.055% |  |
| 83     | 8.421  | 8.394  | 8.445  | VV | 4301 | 46197 | 0.70% | 0.060% |  |
| 84     | 8.481  | 8.445  | 8.512  | VV | 658  | 15312 | 0.23% | 0.020% |  |
| 85     | 8.533  | 8.512  | 8.564  | VV | 227  | 5115  | 0.08% | 0.007% |  |
| 86     | 8.590  | 8.564  | 8.618  | VV | 250  | 4640  | 0.07% | 0.006% |  |
| 87     | 8.634  | 8.618  | 8.651  | PV | 161  | 1520  | 0.02% | 0.002% |  |
| 88     | 8.777  | 8.760  | 8.802  | VV | 1089 | 17489 | 0.26% | 0.023% |  |
| 89     | 8.823  | 8.802  | 8.864  | VV | 641  | 19106 | 0.29% | 0.025% |  |
| 90     | 8.890  | 8.864  | 8.924  | VV | 829  | 17145 | 0.26% | 0.022% |  |
| 91     | 8.931  | 8.924  | 8.953  | VV | 274  | 4001  | 0.06% | 0.005% |  |
| 92     | 8.975  | 8.953  | 8.990  | VV | 375  | 5785  | 0.09% | 0.008% |  |
| 93     | 9.015  | 8.990  | 9.034  | VV | 479  | 9289  | 0.14% | 0.012% |  |
| 94     | 9.081  | 9.034  | 9.133  | VV | 871  | 31497 | 0.48% | 0.041% |  |
| 95     | 9.173  | 9.133  | 9.205  | VV | 1790 | 34613 | 0.52% | 0.045% |  |
| 96     | 9.223  | 9.205  | 9.301  | VV | 459  | 15238 | 0.23% | 0.020% |  |
| 97     | 9.348  | 9.301  | 9.384  | VV | 857  | 19933 | 0.30% | 0.026% |  |
| 98     | 9.393  | 9.384  | 9.404  | VV | 241  | 2099  | 0.03% | 0.003% |  |
| 99     | 9.421  | 9.404  | 9.456  | VV | 261  | 5523  | 0.08% | 0.007% |  |
| 100    | 9.472  | 9.456  | 9.489  | VV | 366  | 4270  | 0.06% | 0.006% |  |
| 101    | 9.507  | 9.489  | 9.525  | PV | 337  | 5256  | 0.08% | 0.007% |  |
| 102    | 9.556  | 9.525  | 9.609  | VV | 1025 | 25759 | 0.39% | 0.034% |  |
| 103    | 9.633  | 9.609  | 9.660  | VV | 674  | 12883 | 0.20% | 0.017% |  |
| 104    | 9.678  | 9.660  | 9.690  | VV | 362  | 5344  | 0.08% | 0.007% |  |
| 105    | 9.707  | 9.690  | 9.719  | VV | 422  | 6053  | 0.09% | 0.008% |  |
| 106    | 9.732  | 9.719  | 9.766  | VV | 334  | 7737  | 0.12% | 0.010% |  |
| 107    | 9.789  | 9.766  | 9.820  | VV | 258  | 6140  | 0.09% | 0.008% |  |
| 108    | 9.827  | 9.820  | 9.837  | VV | 171  | 1560  | 0.02% | 0.002% |  |
| 109    | 9.876  | 9.837  | 9.921  | VV | 726  | 21489 | 0.33% | 0.028% |  |
| 110    | 9.949  | 9.921  | 10.027 | VV | 2178 | 40057 | 0.61% | 0.052% |  |
| 111    | 10.053 | 10.027 | 10.091 | VV | 255  | 6885  | 0.10% | 0.009% |  |
| 112    | 10.128 | 10.091 | 10.184 | VV | 256  | 7757  | 0.12% | 0.010% |  |
| 113    | 10.217 | 10.184 | 10.245 | PV | 226  | 4563  | 0.07% | 0.006% |  |
| 114    | 10.297 | 10.245 | 10.315 | VV | 480  | 9471  | 0.14% | 0.012% |  |
| 115    | 10.340 | 10.315 | 10.368 | VV | 965  | 16587 | 0.25% | 0.022% |  |
| 116    | 10.406 | 10.368 | 10.417 | VV | 594  | 14459 | 0.22% | 0.019% |  |
| 117    | 10.429 | 10.417 | 10.458 | VV | 873  | 12501 | 0.19% | 0.016% |  |
| 118    | 10.480 | 10.458 | 10.515 | VV | 758  | 13552 | 0.21% | 0.018% |  |
| 119    | 10.609 | 10.515 | 10.629 | VV | 889  | 29437 | 0.45% | 0.038% |  |
| 120    | 10.686 | 10.629 | 10.732 | VV | 2505 | 51280 | 0.78% | 0.067% |  |
| 121    | 10.758 | 10.732 | 10.786 | VV | 1212 | 20788 | 0.31% | 0.027% |  |
| 122    | 10.792 | 10.786 | 10.813 | VV | 363  | 4998  | 0.08% | 0.007% |  |
| 123    | 10.829 | 10.813 | 10.851 | VV | 303  | 5085  | 0.08% | 0.007% |  |
| 124    | 10.856 | 10.851 | 10.877 | VV | 214  | 2099  | 0.03% | 0.003% |  |

|     |        |        |        |    |        |         | rtres  |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 125 | 10.907 | 10.877 | 10.934 | VV | 587    | 11217   | 0.17%  | 0.015% |
| 126 | 10.957 | 10.934 | 11.001 | VV | 4698   | 54814   | 0.83%  | 0.071% |
| 127 | 11.031 | 11.001 | 11.062 | VV | 1645   | 26246   | 0.40%  | 0.034% |
| 128 | 11.079 | 11.062 | 11.117 | VV | 790    | 13806   | 0.21%  | 0.018% |
| 129 | 11.136 | 11.117 | 11.151 | VV | 369    | 5457    | 0.08%  | 0.007% |
| 130 | 11.164 | 11.151 | 11.182 | VV | 253    | 3358    | 0.05%  | 0.004% |
| 131 | 11.195 | 11.182 | 11.222 | VV | 270    | 4115    | 0.06%  | 0.005% |
| 132 | 11.253 | 11.222 | 11.287 | PV | 447    | 9567    | 0.14%  | 0.012% |
| 133 | 11.316 | 11.287 | 11.336 | VV | 787    | 12022   | 0.18%  | 0.016% |
| 134 | 11.386 | 11.336 | 11.411 | VV | 2487   | 39503   | 0.60%  | 0.051% |
| 135 | 11.435 | 11.411 | 11.452 | VV | 341    | 6307    | 0.10%  | 0.008% |
| 136 | 11.480 | 11.452 | 11.514 | VV | 1525   | 21434   | 0.32%  | 0.028% |
| 137 | 11.545 | 11.514 | 11.560 | VV | 320    | 4012    | 0.06%  | 0.005% |
| 138 | 11.607 | 11.560 | 11.621 | PV | 514    | 9757    | 0.15%  | 0.013% |
| 139 | 11.643 | 11.621 | 11.664 | VV | 337    | 5931    | 0.09%  | 0.008% |
| 140 | 11.714 | 11.664 | 11.772 | VV | 102477 | 1106446 | 16.76% | 1.441% |
| 141 | 11.787 | 11.772 | 11.823 | VV | 1495   | 20736   | 0.31%  | 0.027% |
| 142 | 11.872 | 11.823 | 11.889 | VV | 1353   | 24125   | 0.37%  | 0.031% |
| 143 | 11.905 | 11.889 | 11.924 | VV | 983    | 12281   | 0.19%  | 0.016% |
| 144 | 11.937 | 11.924 | 11.963 | VV | 919    | 12100   | 0.18%  | 0.016% |
| 145 | 11.992 | 11.963 | 12.013 | VV | 449    | 5988    | 0.09%  | 0.008% |
| 146 | 12.053 | 12.013 | 12.082 | VV | 2422   | 36378   | 0.55%  | 0.047% |
| 147 | 12.106 | 12.082 | 12.140 | VV | 6210   | 72655   | 1.10%  | 0.095% |
| 148 | 12.158 | 12.140 | 12.201 | VV | 453    | 6937    | 0.11%  | 0.009% |
| 149 | 12.224 | 12.201 | 12.242 | PV | 341    | 4996    | 0.08%  | 0.007% |
| 150 | 12.258 | 12.242 | 12.270 | PV | 346    | 2780    | 0.04%  | 0.004% |
| 151 | 12.295 | 12.270 | 12.316 | VV | 655    | 10862   | 0.16%  | 0.014% |
| 152 | 12.328 | 12.316 | 12.353 | VV | 262    | 4172    | 0.06%  | 0.005% |
| 153 | 12.369 | 12.353 | 12.387 | VV | 203    | 2779    | 0.04%  | 0.004% |
| 154 | 12.404 | 12.387 | 12.414 | VV | 376    | 4012    | 0.06%  | 0.005% |
| 155 | 12.433 | 12.414 | 12.486 | VV | 1003   | 20646   | 0.31%  | 0.027% |
| 156 | 12.513 | 12.486 | 12.529 | VV | 539    | 9529    | 0.14%  | 0.012% |
| 157 | 12.544 | 12.529 | 12.561 | VV | 529    | 7072    | 0.11%  | 0.009% |
| 158 | 12.565 | 12.561 | 12.589 | VV | 387    | 3437    | 0.05%  | 0.004% |
| 159 | 12.655 | 12.589 | 12.671 | PV | 1353   | 27631   | 0.42%  | 0.036% |
| 160 | 12.692 | 12.671 | 12.737 | VV | 3114   | 50097   | 0.76%  | 0.065% |
| 161 | 12.772 | 12.737 | 12.857 | VV | 7826   | 101960  | 1.54%  | 0.133% |
| 162 | 12.873 | 12.857 | 12.886 | PV | 246    | 2647    | 0.04%  | 0.003% |
| 163 | 12.903 | 12.886 | 12.927 | PV | 404    | 7069    | 0.11%  | 0.009% |
| 164 | 12.961 | 12.927 | 12.984 | VV | 598    | 12452   | 0.19%  | 0.016% |
| 165 | 13.009 | 12.984 | 13.039 | VV | 405    | 9301    | 0.14%  | 0.012% |
| 166 | 13.071 | 13.039 | 13.097 | VV | 7508   | 92654   | 1.40%  | 0.121% |
| 167 | 13.139 | 13.097 | 13.161 | VV | 76268  | 1112246 | 16.84% | 1.449% |
| 168 | 13.179 | 13.161 | 13.204 | VV | 27082  | 325878  | 4.93%  | 0.425% |
| 169 | 13.212 | 13.204 | 13.236 | VV | 1857   | 23707   | 0.36%  | 0.031% |
| 170 | 13.247 | 13.236 | 13.266 | VV | 853    | 11921   | 0.18%  | 0.016% |

|     |        |        |        |    |      |       | rtres |        |  |
|-----|--------|--------|--------|----|------|-------|-------|--------|--|
| 171 | 13.302 | 13.266 | 13.331 | VV | 2315 | 40683 | 0.62% | 0.053% |  |
| 172 | 13.357 | 13.331 | 13.384 | VV | 3739 | 55173 | 0.84% | 0.072% |  |
| 173 | 13.398 | 13.384 | 13.449 | VV | 750  | 15325 | 0.23% | 0.020% |  |
| 174 | 13.462 | 13.449 | 13.477 | PV | 389  | 2775  | 0.04% | 0.004% |  |
| 175 | 13.489 | 13.477 | 13.506 | VV | 447  | 4874  | 0.07% | 0.006% |  |
| 176 | 13.530 | 13.506 | 13.554 | VV | 768  | 12497 | 0.19% | 0.016% |  |
| 177 | 13.574 | 13.554 | 13.593 | PV | 344  | 4211  | 0.06% | 0.005% |  |
| 178 | 13.615 | 13.593 | 13.624 | VV | 178  | 2809  | 0.04% | 0.004% |  |
| 179 | 13.655 | 13.624 | 13.681 | VV | 1823 | 27049 | 0.41% | 0.035% |  |
| 180 | 13.705 | 13.681 | 13.739 | VV | 418  | 10827 | 0.16% | 0.014% |  |
| 181 | 13.765 | 13.739 | 13.787 | VV | 1151 | 18503 | 0.28% | 0.024% |  |
| 182 | 13.807 | 13.787 | 13.817 | VV | 715  | 9679  | 0.15% | 0.013% |  |
| 183 | 13.836 | 13.817 | 13.866 | VV | 932  | 18670 | 0.28% | 0.024% |  |
| 184 | 13.887 | 13.866 | 13.902 | VV | 2210 | 29386 | 0.44% | 0.038% |  |
| 185 | 13.915 | 13.902 | 13.958 | VV | 1670 | 39949 | 0.60% | 0.052% |  |
| 186 | 13.976 | 13.958 | 13.997 | VV | 852  | 11336 | 0.17% | 0.015% |  |
| 187 | 14.039 | 13.997 | 14.072 | VV | 439  | 12490 | 0.19% | 0.016% |  |
| 188 | 14.113 | 14.072 | 14.142 | PV | 699  | 15161 | 0.23% | 0.020% |  |
| 189 | 14.175 | 14.142 | 14.198 | VV | 521  | 13194 | 0.20% | 0.017% |  |
| 190 | 14.214 | 14.198 | 14.230 | VV | 334  | 4101  | 0.06% | 0.005% |  |
| 191 | 14.364 | 14.230 | 14.372 | VV | 1110 | 44663 | 0.68% | 0.058% |  |
| 192 | 14.411 | 14.372 | 14.429 | VV | 1471 | 35385 | 0.54% | 0.046% |  |
| 193 | 14.449 | 14.429 | 14.476 | VV | 2407 | 36057 | 0.55% | 0.047% |  |
| 194 | 14.510 | 14.476 | 14.551 | VV | 1424 | 44823 | 0.68% | 0.058% |  |
| 195 | 14.574 | 14.551 | 14.589 | VV | 1298 | 22250 | 0.34% | 0.029% |  |
| 196 | 14.597 | 14.589 | 14.610 | VV | 773  | 6472  | 0.10% | 0.008% |  |
| 197 | 14.637 | 14.610 | 14.657 | VV | 1090 | 17145 | 0.26% | 0.022% |  |
| 198 | 14.672 | 14.657 | 14.682 | VV | 515  | 6483  | 0.10% | 0.008% |  |
| 199 | 14.704 | 14.682 | 14.735 | VV | 768  | 18409 | 0.28% | 0.024% |  |
| 200 | 14.755 | 14.735 | 14.779 | VV | 832  | 12566 | 0.19% | 0.016% |  |
| 201 | 14.792 | 14.779 | 14.801 | PV | 535  | 4646  | 0.07% | 0.006% |  |
| 202 | 14.824 | 14.801 | 14.834 | VV | 374  | 6885  | 0.10% | 0.009% |  |
| 203 | 14.845 | 14.834 | 14.859 | VV | 475  | 4357  | 0.07% | 0.006% |  |
| 204 | 14.892 | 14.859 | 14.906 | VV | 542  | 10634 | 0.16% | 0.014% |  |
| 205 | 14.943 | 14.906 | 14.962 | VV | 3977 | 60532 | 0.92% | 0.079% |  |
| 206 | 14.985 | 14.962 | 15.012 | VV | 6484 | 88267 | 1.34% | 0.115% |  |
| 207 | 15.037 | 15.012 | 15.054 | VV | 748  | 11681 | 0.18% | 0.015% |  |
| 208 | 15.105 | 15.054 | 15.129 | VV | 1216 | 34961 | 0.53% | 0.046% |  |
| 209 | 15.140 | 15.129 | 15.160 | VV | 926  | 13494 | 0.20% | 0.018% |  |
| 210 | 15.182 | 15.160 | 15.204 | VV | 817  | 13133 | 0.20% | 0.017% |  |
| 211 | 15.261 | 15.204 | 15.276 | PV | 668  | 14101 | 0.21% | 0.018% |  |
| 212 | 15.280 | 15.276 | 15.292 | VV | 512  | 2966  | 0.04% | 0.004% |  |
| 213 | 15.318 | 15.292 | 15.347 | VV | 690  | 14666 | 0.22% | 0.019% |  |
| 214 | 15.376 | 15.347 | 15.447 | PV | 3901 | 83760 | 1.27% | 0.109% |  |
| 215 | 15.461 | 15.447 | 15.481 | VV | 410  | 6177  | 0.09% | 0.008% |  |
| 216 | 15.507 | 15.481 | 15.544 | VV | 2896 | 47368 | 0.72% | 0.062% |  |
| 217 | 15.568 | 15.544 | 15.576 | VV | 867  | 11386 | 0.17% | 0.015% |  |

|     |        |        |        |    |       |        | rtres |        |
|-----|--------|--------|--------|----|-------|--------|-------|--------|
| 218 | 15.614 | 15.576 | 15.634 | VV | 1474  | 29395  | 0.45% | 0.038% |
| 219 | 15.661 | 15.634 | 15.685 | VV | 1623  | 28534  | 0.43% | 0.037% |
| 220 | 15.708 | 15.685 | 15.717 | PV | 485   | 5938   | 0.09% | 0.008% |
| 221 | 15.779 | 15.717 | 15.801 | VV | 1290  | 36993  | 0.56% | 0.048% |
| 222 | 15.822 | 15.801 | 15.834 | VV | 696   | 9716   | 0.15% | 0.013% |
| 223 | 15.853 | 15.834 | 15.869 | VV | 484   | 8689   | 0.13% | 0.011% |
| 224 | 15.970 | 15.869 | 15.986 | PV | 1039  | 39327  | 0.60% | 0.051% |
| 225 | 16.006 | 15.986 | 16.026 | VV | 3492  | 46249  | 0.70% | 0.060% |
| 226 | 16.056 | 16.026 | 16.087 | VV | 1388  | 34041  | 0.52% | 0.044% |
| 227 | 16.096 | 16.087 | 16.106 | PV | 438   | 3141   | 0.05% | 0.004% |
| 228 | 16.215 | 16.106 | 16.244 | VV | 1480  | 37346  | 0.57% | 0.049% |
| 229 | 16.317 | 16.244 | 16.341 | VV | 1794  | 43118  | 0.65% | 0.056% |
| 230 | 16.416 | 16.341 | 16.439 | PV | 1197  | 42178  | 0.64% | 0.055% |
| 231 | 16.497 | 16.439 | 16.546 | PV | 6103  | 122959 | 1.86% | 0.160% |
| 232 | 16.597 | 16.546 | 16.607 | VV | 995   | 11593  | 0.18% | 0.015% |
| 233 | 16.632 | 16.607 | 16.646 | VV | 1865  | 26729  | 0.40% | 0.035% |
| 234 | 16.717 | 16.646 | 16.749 | VV | 1802  | 56968  | 0.86% | 0.074% |
| 235 | 16.824 | 16.749 | 16.859 | PV | 3206  | 78088  | 1.18% | 0.102% |
| 236 | 16.880 | 16.859 | 16.906 | VV | 2523  | 34468  | 0.52% | 0.045% |
| 237 | 16.957 | 16.906 | 16.976 | PV | 4885  | 84385  | 1.28% | 0.110% |
| 238 | 16.993 | 16.976 | 17.017 | VV | 4326  | 69641  | 1.05% | 0.091% |
| 239 | 17.032 | 17.017 | 17.054 | VV | 1786  | 24465  | 0.37% | 0.032% |
| 240 | 17.141 | 17.054 | 17.154 | VV | 1547  | 42715  | 0.65% | 0.056% |
| 241 | 17.219 | 17.154 | 17.251 | VV | 2326  | 69833  | 1.06% | 0.091% |
| 242 | 17.287 | 17.251 | 17.311 | VV | 2425  | 44760  | 0.68% | 0.058% |
| 243 | 17.333 | 17.311 | 17.347 | VV | 1419  | 24223  | 0.37% | 0.032% |
| 244 | 17.364 | 17.347 | 17.372 | VV | 2040  | 21100  | 0.32% | 0.027% |
| 245 | 17.399 | 17.372 | 17.427 | VV | 8169  | 138690 | 2.10% | 0.181% |
| 246 | 17.456 | 17.427 | 17.470 | PV | 2627  | 35059  | 0.53% | 0.046% |
| 247 | 17.493 | 17.470 | 17.516 | VV | 3048  | 45564  | 0.69% | 0.059% |
| 248 | 17.544 | 17.516 | 17.569 | VV | 4077  | 78682  | 1.19% | 0.102% |
| 249 | 17.594 | 17.569 | 17.614 | VV | 3304  | 55525  | 0.84% | 0.072% |
| 250 | 17.654 | 17.614 | 17.663 | VV | 1576  | 41623  | 0.63% | 0.054% |
| 251 | 17.690 | 17.663 | 17.709 | VV | 1979  | 38542  | 0.58% | 0.050% |
| 252 | 17.727 | 17.709 | 17.736 | VV | 961   | 15164  | 0.23% | 0.020% |
| 253 | 17.773 | 17.736 | 17.794 | VV | 2663  | 64482  | 0.98% | 0.084% |
| 254 | 17.841 | 17.794 | 17.885 | VV | 7515  | 183139 | 2.77% | 0.239% |
| 255 | 18.009 | 17.885 | 18.073 | PV | 13652 | 313958 | 4.75% | 0.409% |
| 256 | 18.106 | 18.073 | 18.123 | VV | 2926  | 53133  | 0.80% | 0.069% |
| 257 | 18.209 | 18.123 | 18.234 | VV | 7157  | 228755 | 3.46% | 0.298% |
| 258 | 18.263 | 18.234 | 18.284 | VV | 10547 | 211294 | 3.20% | 0.275% |
| 259 | 18.302 | 18.284 | 18.310 | VV | 4101  | 59186  | 0.90% | 0.077% |
| 260 | 18.376 | 18.310 | 18.397 | VV | 17264 | 413075 | 6.26% | 0.538% |
| 261 | 18.410 | 18.397 | 18.432 | VV | 7988  | 156314 | 2.37% | 0.204% |
| 262 | 18.506 | 18.432 | 18.542 | VV | 8747  | 449368 | 6.80% | 0.585% |
| 263 | 18.552 | 18.542 | 18.566 | VV | 6133  | 79824  | 1.21% | 0.104% |
| 264 | 18.675 | 18.566 | 18.707 | VV | 12452 | 606757 | 9.19% | 0.790% |

|     |        |        |        |    |       |         | rtres   |        |
|-----|--------|--------|--------|----|-------|---------|---------|--------|
| 265 | 18.798 | 18.707 | 18.819 | VV | 15974 | 613234  | 9.29%   | 0.799% |
| 266 | 18.844 | 18.819 | 18.869 | VV | 16832 | 396645  | 6.01%   | 0.517% |
| 267 | 18.940 | 18.869 | 18.950 | VV | 17564 | 691702  | 10.47%  | 0.901% |
| 268 | 19.070 | 18.950 | 19.101 | VV | 22616 | 1688413 | 25.57%  | 2.199% |
| 269 | 19.126 | 19.101 | 19.154 | VV | 20859 | 583974  | 8.84%   | 0.761% |
| 270 | 19.193 | 19.154 | 19.247 | VV | 22712 | 1102521 | 16.70%  | 1.436% |
| 271 | 19.286 | 19.247 | 19.294 | VV | 21371 | 570414  | 8.64%   | 0.743% |
| 272 | 19.367 | 19.294 | 19.377 | VV | 22909 | 1077738 | 16.32%  | 1.404% |
| 273 | 19.398 | 19.377 | 19.408 | VV | 24918 | 441566  | 6.69%   | 0.575% |
| 274 | 19.459 | 19.408 | 19.481 | VV | 32412 | 1198172 | 18.14%  | 1.561% |
| 275 | 19.503 | 19.481 | 19.526 | VV | 32762 | 834403  | 12.64%  | 1.087% |
| 276 | 19.602 | 19.526 | 19.631 | VV | 32846 | 1939117 | 29.36%  | 2.526% |
| 277 | 19.677 | 19.631 | 19.691 | VV | 31971 | 1083137 | 16.40%  | 1.411% |
| 278 | 19.734 | 19.691 | 19.753 | VV | 36913 | 1276910 | 19.34%  | 1.663% |
| 279 | 19.829 | 19.753 | 19.848 | VV | 46500 | 2176328 | 32.96%  | 2.835% |
| 280 | 19.962 | 19.848 | 19.972 | VV | 50675 | 3446841 | 52.20%  | 4.490% |
| 281 | 20.012 | 19.972 | 20.032 | VV | 56055 | 1877617 | 28.43%  | 2.446% |
| 282 | 20.049 | 20.032 | 20.058 | VV | 55034 | 830838  | 12.58%  | 1.082% |
| 283 | 20.068 | 20.058 | 20.079 | VV | 54637 | 672822  | 10.19%  | 0.876% |
| 284 | 20.125 | 20.079 | 20.146 | VV | 60937 | 2291282 | 34.70%  | 2.985% |
| 285 | 20.161 | 20.146 | 20.170 | VV | 58935 | 846935  | 12.83%  | 1.103% |
| 286 | 20.222 | 20.170 | 20.256 | VV | 64845 | 3228264 | 48.89%  | 4.205% |
| 287 | 20.363 | 20.256 | 20.411 | VV | 79346 | 6603639 | 100.00% | 8.603% |
| 288 | 20.423 | 20.411 | 20.452 | VV | 72592 | 1671783 | 25.32%  | 2.178% |
| 289 | 20.460 | 20.452 | 20.467 | VV | 64775 | 581669  | 8.81%   | 0.758% |
| 290 | 20.496 | 20.467 | 20.522 | VV | 64413 | 2087952 | 31.62%  | 2.720% |
| 291 | 20.558 | 20.522 | 20.571 | VV | 68960 | 1896650 | 28.72%  | 2.471% |
| 292 | 20.579 | 20.571 | 20.606 | VV | 68192 | 1377246 | 20.86%  | 1.794% |
| 293 | 20.615 | 20.606 | 20.686 | VV | 65420 | 2758473 | 41.77%  | 3.593% |
| 294 | 20.695 | 20.686 | 20.718 | VV | 52718 | 975289  | 14.77%  | 1.271% |
| 295 | 20.773 | 20.718 | 20.852 | VV | 55865 | 4137015 | 62.65%  | 5.389% |
| 296 | 20.904 | 20.852 | 20.921 | VV | 52235 | 2058664 | 31.17%  | 2.682% |
| 297 | 20.934 | 20.921 | 20.997 | VV | 50685 | 2042918 | 30.94%  | 2.661% |
| 298 | 21.007 | 20.997 | 21.027 | VV | 35559 | 604982  | 9.16%   | 0.788% |
| 299 | 21.058 | 21.027 | 21.076 | VV | 34836 | 988818  | 14.97%  | 1.288% |
| 300 | 21.082 | 21.076 | 21.091 | VV | 33554 | 296718  | 4.49%   | 0.387% |
| 301 | 21.153 | 21.091 | 21.171 | VV | 34926 | 1619590 | 24.53%  | 2.110% |
| 302 | 21.241 | 21.171 | 21.376 | VV | 43776 | 4144975 | 62.77%  | 5.400% |
| 303 | 21.399 | 21.376 | 21.434 | VV | 23090 | 747319  | 11.32%  | 0.974% |
| 304 | 21.473 | 21.434 | 21.487 | VV | 21925 | 655274  | 9.92%   | 0.854% |
| 305 | 21.524 | 21.487 | 21.604 | VV | 23835 | 1306235 | 19.78%  | 1.702% |
| 306 | 21.609 | 21.604 | 21.621 | VV | 12803 | 126680  | 1.92%   | 0.165% |
| 307 | 21.652 | 21.621 | 21.666 | VV | 12211 | 302706  | 4.58%   | 0.394% |
| 308 | 21.675 | 21.666 | 21.736 | VV | 12420 | 458786  | 6.95%   | 0.598% |
| 309 | 21.744 | 21.736 | 21.757 | VV | 9631  | 112467  | 1.70%   | 0.147% |
| 310 | 21.790 | 21.757 | 21.854 | VV | 11444 | 407618  | 6.17%   | 0.531% |

Alaphatic EPH 061219.M Thu Jun 20 09:50:14 2019