

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100319AL\  
 Data File : FC043784.D  
 Signal(s) : FID1A.CH  
 Acq On : 04 Oct 2019 9:21  
 Sample : K5140-03  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 092519.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         | 3.428       | 3.402        | 3.463      | PH       | 14556          | 184387       | 0.34%          | 0.038%        |
| 2         | 3.475       | 3.463        | 3.509      | PV       | 1526           | 12023        | 0.02%          | 0.002%        |
| 3         | 3.553       | 3.509        | 3.567      | PV       | 3919           | 50694        | 0.09%          | 0.010%        |
| 4         | 3.576       | 3.567        | 3.589      | VV       | 2311           | 21500        | 0.04%          | 0.004%        |
| 5         | 3.602       | 3.589        | 3.610      | VV       | 2634           | 23387        | 0.04%          | 0.005%        |
| 6         | 3.624       | 3.610        | 3.653      | VV       | 3788           | 49630        | 0.09%          | 0.010%        |
| 7         | 3.667       | 3.653        | 3.675      | VV       | 2340           | 16889        | 0.03%          | 0.003%        |
| 8         | 3.694       | 3.675        | 3.723      | VV       | 10675          | 146095       | 0.27%          | 0.030%        |
| 9         | 3.746       | 3.723        | 3.767      | PV       | 5815           | 83761        | 0.16%          | 0.017%        |
| 10        | 3.793       | 3.767        | 3.836      | VV       | 13252          | 207501       | 0.39%          | 0.042%        |
| 11        | 3.864       | 3.836        | 3.880      | VV       | 8630           | 138286       | 0.26%          | 0.028%        |
| 12        | 3.888       | 3.880        | 3.902      | VV       | 4145           | 33841        | 0.06%          | 0.007%        |
| 13        | 3.922       | 3.902        | 3.981      | VV       | 42798          | 753376       | 1.40%          | 0.154%        |
| 14        | 4.003       | 3.981        | 4.053      | VV       | 54976          | 748742       | 1.40%          | 0.153%        |
| 15        | 4.093       | 4.053        | 4.135      | VV       | 35720          | 883335       | 1.65%          | 0.181%        |
| 16        | 4.148       | 4.135        | 4.157      | VV       | 8806           | 102553       | 0.19%          | 0.021%        |
| 17        | 4.180       | 4.157        | 4.203      | VV       | 27895          | 340910       | 0.64%          | 0.070%        |
| 18        | 4.216       | 4.203        | 4.232      | VV       | 4504           | 51145        | 0.10%          | 0.010%        |
| 19        | 4.255       | 4.232        | 4.280      | VV       | 136238         | 1475141      | 2.75%          | 0.302%        |
| 20        | 4.291       | 4.280        | 4.339      | VV       | 21138          | 451396       | 0.84%          | 0.092%        |
| 21        | 4.347       | 4.339        | 4.370      | VV       | 7833           | 79909        | 0.15%          | 0.016%        |
| 22        | 4.398       | 4.370        | 4.415      | VV       | 10010          | 150105       | 0.28%          | 0.031%        |
| 23        | 4.440       | 4.415        | 4.460      | VV       | 13379          | 207703       | 0.39%          | 0.043%        |
| 24        | 4.481       | 4.460        | 4.515      | VV       | 110688         | 1134073      | 2.11%          | 0.232%        |
| 25        | 4.531       | 4.515        | 4.578      | VV       | 56297          | 760432       | 1.42%          | 0.156%        |
| 26        | 4.592       | 4.578        | 4.615      | VV       | 7430           | 118086       | 0.22%          | 0.024%        |
| 27        | 4.641       | 4.615        | 4.666      | VV       | 24227          | 400592       | 0.75%          | 0.082%        |
| 28        | 4.680       | 4.666        | 4.691      | VV       | 16704          | 188937       | 0.35%          | 0.039%        |
| 29        | 4.702       | 4.691        | 4.715      | VV       | 15647          | 174109       | 0.32%          | 0.036%        |
| 30        | 4.731       | 4.715        | 4.747      | VV       | 39768          | 391002       | 0.73%          | 0.080%        |
| 31        | 4.763       | 4.747        | 4.775      | VV       | 32436          | 331428       | 0.62%          | 0.068%        |
| 32        | 4.784       | 4.775        | 4.797      | VV       | 20319          | 229345       | 0.43%          | 0.047%        |
| 33        | 4.810       | 4.797        | 4.823      | VV       | 22244          | 262923       | 0.49%          | 0.054%        |
| 34        | 4.862       | 4.823        | 4.875      | VV       | 51103          | 915192       | 1.71%          | 0.187%        |
| 35        | 4.889       | 4.875        | 4.918      | VV       | 33267          | 678454       | 1.26%          | 0.139%        |
| 36        | 4.935       | 4.918        | 4.972      | VV       | 60188          | 1145922      | 2.14%          | 0.235%        |

| rteres.txt |       |       |       |    |        |         |       |        |
|------------|-------|-------|-------|----|--------|---------|-------|--------|
| 37         | 5.012 | 4.972 | 5.051 | VV | 25295  | 807958  | 1.51% | 0.165% |
| 38         | 5.082 | 5.051 | 5.096 | VV | 37915  | 541228  | 1.01% | 0.111% |
| 39         | 5.117 | 5.096 | 5.140 | VV | 67323  | 1165942 | 2.17% | 0.239% |
| 40         | 5.150 | 5.140 | 5.182 | VV | 57204  | 984003  | 1.83% | 0.201% |
|            |       |       |       |    |        |         |       |        |
| 41         | 5.197 | 5.182 | 5.258 | VV | 67590  | 1527068 | 2.85% | 0.313% |
| 42         | 5.278 | 5.258 | 5.292 | VV | 13416  | 225507  | 0.42% | 0.046% |
| 43         | 5.312 | 5.292 | 5.338 | VV | 29524  | 529177  | 0.99% | 0.108% |
| 44         | 5.397 | 5.338 | 5.419 | VV | 40604  | 1335122 | 2.49% | 0.273% |
| 45         | 5.429 | 5.419 | 5.442 | VV | 20273  | 248204  | 0.46% | 0.051% |
|            |       |       |       |    |        |         |       |        |
| 46         | 5.459 | 5.442 | 5.481 | VV | 26130  | 425445  | 0.79% | 0.087% |
| 47         | 5.506 | 5.481 | 5.526 | VV | 242267 | 2765661 | 5.16% | 0.566% |
| 48         | 5.543 | 5.526 | 5.565 | VV | 92497  | 1352734 | 2.52% | 0.277% |
| 49         | 5.575 | 5.565 | 5.610 | VV | 24315  | 469740  | 0.88% | 0.096% |
| 50         | 5.640 | 5.610 | 5.650 | VV | 18077  | 340954  | 0.64% | 0.070% |
|            |       |       |       |    |        |         |       |        |
| 51         | 5.658 | 5.650 | 5.669 | VV | 16373  | 166715  | 0.31% | 0.034% |
| 52         | 5.693 | 5.669 | 5.740 | VV | 67610  | 1559008 | 2.91% | 0.319% |
| 53         | 5.748 | 5.740 | 5.759 | VV | 26032  | 260661  | 0.49% | 0.053% |
| 54         | 5.794 | 5.759 | 5.830 | VV | 99243  | 2296040 | 4.28% | 0.470% |
| 55         | 5.846 | 5.830 | 5.863 | VV | 66630  | 793341  | 1.48% | 0.162% |
|            |       |       |       |    |        |         |       |        |
| 56         | 5.884 | 5.863 | 5.937 | VV | 67532  | 1754647 | 3.27% | 0.359% |
| 57         | 5.956 | 5.937 | 5.981 | VV | 48558  | 824149  | 1.54% | 0.169% |
| 58         | 6.001 | 5.981 | 6.030 | VV | 51828  | 1040441 | 1.94% | 0.213% |
| 59         | 6.055 | 6.030 | 6.074 | VV | 55965  | 1078380 | 2.01% | 0.221% |
| 60         | 6.094 | 6.074 | 6.116 | VV | 72512  | 1122818 | 2.09% | 0.230% |
|            |       |       |       |    |        |         |       |        |
| 61         | 6.138 | 6.116 | 6.164 | VV | 72297  | 1140465 | 2.13% | 0.233% |
| 62         | 6.196 | 6.164 | 6.214 | VV | 91213  | 1523776 | 2.84% | 0.312% |
| 63         | 6.227 | 6.214 | 6.253 | VV | 42189  | 817174  | 1.52% | 0.167% |
| 64         | 6.270 | 6.253 | 6.294 | VV | 48912  | 906101  | 1.69% | 0.185% |
| 65         | 6.317 | 6.294 | 6.338 | VV | 60335  | 1100338 | 2.05% | 0.225% |
|            |       |       |       |    |        |         |       |        |
| 66         | 6.357 | 6.338 | 6.375 | VV | 44973  | 719548  | 1.34% | 0.147% |
| 67         | 6.425 | 6.375 | 6.445 | VV | 52231  | 1585725 | 2.96% | 0.325% |
| 68         | 6.474 | 6.445 | 6.522 | VV | 218844 | 3291812 | 6.14% | 0.674% |
| 69         | 6.535 | 6.522 | 6.549 | VV | 26015  | 395518  | 0.74% | 0.081% |
| 70         | 6.566 | 6.549 | 6.577 | VV | 29851  | 425149  | 0.79% | 0.087% |
|            |       |       |       |    |        |         |       |        |
| 71         | 6.620 | 6.577 | 6.642 | VV | 111340 | 2041147 | 3.80% | 0.418% |
| 72         | 6.675 | 6.642 | 6.714 | VV | 47145  | 1637953 | 3.05% | 0.335% |
| 73         | 6.757 | 6.714 | 6.776 | VV | 67832  | 1531773 | 2.86% | 0.314% |
| 74         | 6.795 | 6.776 | 6.808 | VV | 55572  | 816299  | 1.52% | 0.167% |
| 75         | 6.823 | 6.808 | 6.842 | VV | 46242  | 822317  | 1.53% | 0.168% |
|            |       |       |       |    |        |         |       |        |
| 76         | 6.880 | 6.842 | 6.904 | VV | 117024 | 2054094 | 3.83% | 0.420% |
| 77         | 6.921 | 6.904 | 6.935 | VV | 35912  | 647351  | 1.21% | 0.133% |
| 78         | 6.984 | 6.935 | 7.009 | VV | 62904  | 2075720 | 3.87% | 0.425% |
| 79         | 7.029 | 7.009 | 7.053 | VV | 74219  | 1374022 | 2.56% | 0.281% |
| 80         | 7.069 | 7.053 | 7.091 | VV | 73407  | 1163669 | 2.17% | 0.238% |
|            |       |       |       |    |        |         |       |        |
| 81         | 7.124 | 7.091 | 7.150 | VV | 84763  | 2023334 | 3.77% | 0.414% |
| 82         | 7.168 | 7.150 | 7.211 | VV | 84083  | 1845765 | 3.44% | 0.378% |
| 83         | 7.223 | 7.211 | 7.231 | VV | 39896  | 449540  | 0.84% | 0.092% |
| 84         | 7.244 | 7.231 | 7.256 | VV | 47816  | 612984  | 1.14% | 0.125% |
| 85         | 7.268 | 7.256 | 7.288 | VV | 48900  | 723358  | 1.35% | 0.148% |
|            |       |       |       |    |        |         |       |        |
| 86         | 7.312 | 7.288 | 7.329 | VV | 36522  | 769020  | 1.43% | 0.157% |
| 87         | 7.352 | 7.329 | 7.361 | VV | 36945  | 633508  | 1.18% | 0.130% |
| 88         | 7.387 | 7.361 | 7.421 | VV | 247725 | 3573795 | 6.66% | 0.732% |
| 89         | 7.438 | 7.421 | 7.459 | VV | 47457  | 889851  | 1.66% | 0.182% |

| rteres.txt |       |       |       |    |        |         |        |        |
|------------|-------|-------|-------|----|--------|---------|--------|--------|
| 90         | 7.478 | 7.459 | 7.532 | VV | 40908  | 1524806 | 2.84%  | 0.312% |
| 91         | 7.563 | 7.532 | 7.582 | VV | 69129  | 1406992 | 2.62%  | 0.288% |
| 92         | 7.592 | 7.582 | 7.608 | VV | 43379  | 589946  | 1.10%  | 0.121% |
| 93         | 7.620 | 7.608 | 7.635 | VV | 39345  | 537486  | 1.00%  | 0.110% |
| 94         | 7.643 | 7.635 | 7.655 | VV | 27669  | 308332  | 0.57%  | 0.063% |
| 95         | 7.663 | 7.655 | 7.672 | VV | 24828  | 239701  | 0.45%  | 0.049% |
| 96         | 7.707 | 7.672 | 7.796 | VV | 613763 | 8629347 | 16.09% | 1.766% |
| 97         | 7.835 | 7.796 | 7.848 | VV | 56621  | 1330711 | 2.48%  | 0.272% |
| 98         | 7.860 | 7.848 | 7.879 | VV | 55717  | 784771  | 1.46%  | 0.161% |
| 99         | 7.903 | 7.879 | 7.925 | VV | 61709  | 1098141 | 2.05%  | 0.225% |
| 100        | 7.948 | 7.925 | 7.972 | VV | 68398  | 1163599 | 2.17%  | 0.238% |
| 101        | 8.000 | 7.972 | 8.050 | VV | 72466  | 1904143 | 3.55%  | 0.390% |
| 102        | 8.071 | 8.050 | 8.090 | VV | 79296  | 1123814 | 2.09%  | 0.230% |
| 103        | 8.107 | 8.090 | 8.145 | VV | 34078  | 948581  | 1.77%  | 0.194% |
| 104        | 8.165 | 8.145 | 8.180 | VV | 40010  | 653719  | 1.22%  | 0.134% |
| 105        | 8.197 | 8.180 | 8.214 | VV | 40442  | 712280  | 1.33%  | 0.146% |
| 106        | 8.248 | 8.214 | 8.278 | VV | 189410 | 2979749 | 5.55%  | 0.610% |
| 107        | 8.293 | 8.278 | 8.310 | VV | 48768  | 743362  | 1.39%  | 0.152% |
| 108        | 8.326 | 8.310 | 8.353 | VV | 41465  | 966910  | 1.80%  | 0.198% |
| 109        | 8.362 | 8.353 | 8.381 | VV | 37957  | 564647  | 1.05%  | 0.116% |
| 110        | 8.394 | 8.381 | 8.405 | VV | 31413  | 427642  | 0.80%  | 0.088% |
| 111        | 8.417 | 8.405 | 8.430 | VV | 34263  | 463150  | 0.86%  | 0.095% |
| 112        | 8.441 | 8.430 | 8.455 | VV | 32114  | 405852  | 0.76%  | 0.083% |
| 113        | 8.475 | 8.455 | 8.509 | VV | 40425  | 933366  | 1.74%  | 0.191% |
| 114        | 8.539 | 8.509 | 8.557 | VV | 26969  | 646355  | 1.20%  | 0.132% |
| 115        | 8.576 | 8.557 | 8.639 | VV | 319895 | 4929347 | 9.19%  | 1.009% |
| 116        | 8.663 | 8.639 | 8.677 | VV | 40647  | 861292  | 1.61%  | 0.176% |
| 117        | 8.690 | 8.677 | 8.717 | VV | 41787  | 804932  | 1.50%  | 0.165% |
| 118        | 8.732 | 8.717 | 8.754 | VV | 40791  | 705371  | 1.31%  | 0.144% |
| 119        | 8.777 | 8.754 | 8.804 | VV | 85060  | 1315816 | 2.45%  | 0.269% |
| 120        | 8.829 | 8.804 | 8.845 | VV | 35400  | 623311  | 1.16%  | 0.128% |
| 121        | 8.854 | 8.845 | 8.877 | VV | 23183  | 369938  | 0.69%  | 0.076% |
| 122        | 8.921 | 8.877 | 8.974 | VV | 23245  | 1074286 | 2.00%  | 0.220% |
| 123        | 9.006 | 8.974 | 9.025 | VV | 26172  | 629141  | 1.17%  | 0.129% |
| 124        | 9.061 | 9.025 | 9.100 | VV | 138116 | 2095456 | 3.91%  | 0.429% |
| 125        | 9.116 | 9.100 | 9.128 | VV | 19104  | 290576  | 0.54%  | 0.059% |
| 126        | 9.144 | 9.128 | 9.180 | VV | 23717  | 547835  | 1.02%  | 0.112% |
| 127        | 9.195 | 9.180 | 9.249 | VV | 16190  | 522896  | 0.97%  | 0.107% |
| 128        | 9.267 | 9.249 | 9.279 | VV | 15111  | 226402  | 0.42%  | 0.046% |
| 129        | 9.294 | 9.279 | 9.310 | VV | 17086  | 260005  | 0.48%  | 0.053% |
| 130        | 9.321 | 9.310 | 9.332 | VV | 12873  | 155439  | 0.29%  | 0.032% |
| 131        | 9.352 | 9.332 | 9.373 | VV | 14147  | 310468  | 0.58%  | 0.064% |
| 132        | 9.396 | 9.373 | 9.412 | VV | 13118  | 282312  | 0.53%  | 0.058% |
| 133        | 9.432 | 9.412 | 9.462 | VV | 31842  | 628110  | 1.17%  | 0.129% |
| 134        | 9.475 | 9.462 | 9.490 | VV | 17513  | 251044  | 0.47%  | 0.051% |
| 135        | 9.516 | 9.490 | 9.539 | VV | 22373  | 492337  | 0.92%  | 0.101% |
| 136        | 9.560 | 9.539 | 9.580 | VV | 23264  | 399268  | 0.74%  | 0.082% |
| 137        | 9.590 | 9.580 | 9.600 | VV | 13218  | 141809  | 0.26%  | 0.029% |
| 138        | 9.613 | 9.600 | 9.640 | VV | 18902  | 299589  | 0.56%  | 0.061% |
| 139        | 9.671 | 9.640 | 9.702 | VV | 9519   | 288659  | 0.54%  | 0.059% |
| 140        | 9.747 | 9.702 | 9.762 | VV | 9363   | 266020  | 0.50%  | 0.054% |
| 141        | 9.789 | 9.762 | 9.809 | VV | 18794  | 384463  | 0.72%  | 0.079% |

| rteres.txt |        |        |        |    |         |          |         |         |
|------------|--------|--------|--------|----|---------|----------|---------|---------|
| 142        | 9.831  | 9.809  | 9.880  | VV | 109403  | 1461404  | 2.72%   | 0.299%  |
| 143        | 9.911  | 9.880  | 9.927  | VV | 9805    | 241496   | 0.45%   | 0.049%  |
| 144        | 9.934  | 9.927  | 9.982  | VV | 8586    | 185774   | 0.35%   | 0.038%  |
| 145        | 10.010 | 9.982  | 10.026 | VV | 7432    | 148215   | 0.28%   | 0.030%  |
| 146        | 10.034 | 10.026 | 10.074 | VV | 5907    | 145807   | 0.27%   | 0.030%  |
| 147        | 10.105 | 10.074 | 10.127 | VV | 6722    | 154175   | 0.29%   | 0.032%  |
| 148        | 10.174 | 10.127 | 10.188 | VV | 14646   | 287398   | 0.54%   | 0.059%  |
| 149        | 10.215 | 10.188 | 10.245 | VV | 44380   | 711048   | 1.33%   | 0.146%  |
| 150        | 10.266 | 10.245 | 10.282 | VV | 12429   | 207865   | 0.39%   | 0.043%  |
| 151        | 10.304 | 10.282 | 10.334 | VV | 17528   | 313939   | 0.59%   | 0.064%  |
| 152        | 10.358 | 10.334 | 10.425 | VV | 18563   | 379645   | 0.71%   | 0.078%  |
| 153        | 10.492 | 10.425 | 10.524 | VV | 9072    | 348476   | 0.65%   | 0.071%  |
| 154        | 10.562 | 10.524 | 10.597 | VV | 99534   | 1310313  | 2.44%   | 0.268%  |
| 155        | 10.631 | 10.597 | 10.717 | VV | 42766   | 1082433  | 2.02%   | 0.222%  |
| 156        | 10.729 | 10.717 | 10.764 | VV | 3982    | 93397    | 0.17%   | 0.019%  |
| 157        | 10.785 | 10.764 | 10.800 | VV | 4123    | 79908    | 0.15%   | 0.016%  |
| 158        | 10.815 | 10.800 | 10.843 | VV | 5249    | 104898   | 0.20%   | 0.021%  |
| 159        | 10.878 | 10.843 | 10.919 | VV | 13088   | 416747   | 0.78%   | 0.085%  |
| 160        | 10.950 | 10.919 | 10.992 | VV | 16136   | 399244   | 0.74%   | 0.082%  |
| 161        | 11.012 | 10.992 | 11.047 | VV | 11622   | 198866   | 0.37%   | 0.041%  |
| 162        | 11.064 | 11.047 | 11.095 | VV | 9190    | 141329   | 0.26%   | 0.029%  |
| 163        | 11.113 | 11.095 | 11.162 | VV | 3478    | 100279   | 0.19%   | 0.021%  |
| 164        | 11.193 | 11.162 | 11.221 | VV | 4620    | 126661   | 0.24%   | 0.026%  |
| 165        | 11.259 | 11.221 | 11.290 | VV | 85751   | 1068313  | 1.99%   | 0.219%  |
| 166        | 11.311 | 11.290 | 11.323 | VV | 6699    | 120569   | 0.22%   | 0.025%  |
| 167        | 11.347 | 11.323 | 11.397 | VV | 30509   | 507281   | 0.95%   | 0.104%  |
| 168        | 11.411 | 11.397 | 11.436 | VV | 3585    | 55702    | 0.10%   | 0.011%  |
| 169        | 11.456 | 11.436 | 11.477 | VV | 2737    | 40384    | 0.08%   | 0.008%  |
| 170        | 11.519 | 11.477 | 11.530 | VV | 4587    | 98575    | 0.18%   | 0.020%  |
| 171        | 11.581 | 11.530 | 11.629 | VV | 448006  | 5089618  | 9.49%   | 1.042%  |
| 172        | 11.651 | 11.629 | 11.672 | VV | 13853   | 230640   | 0.43%   | 0.047%  |
| 173        | 11.689 | 11.672 | 11.709 | VV | 10650   | 160706   | 0.30%   | 0.033%  |
| 174        | 11.738 | 11.709 | 11.759 | VV | 10296   | 208373   | 0.39%   | 0.043%  |
| 175        | 11.815 | 11.759 | 11.865 | VV | 52327   | 855119   | 1.59%   | 0.175%  |
| 176        | 11.924 | 11.865 | 11.948 | VV | 71813   | 1056833  | 1.97%   | 0.216%  |
| 177        | 11.985 | 11.948 | 12.097 | VV | 1266485 | 14879552 | 27.74%  | 3.046%  |
| 178        | 12.129 | 12.097 | 12.167 | PV | 3262    | 94281    | 0.18%   | 0.019%  |
| 179        | 12.192 | 12.167 | 12.243 | VV | 8995    | 224881   | 0.42%   | 0.046%  |
| 180        | 12.255 | 12.243 | 12.272 | VV | 3263    | 40920    | 0.08%   | 0.008%  |
| 181        | 12.304 | 12.272 | 12.317 | VV | 6870    | 121014   | 0.23%   | 0.025%  |
| 182        | 12.331 | 12.317 | 12.364 | VV | 9421    | 143602   | 0.27%   | 0.029%  |
| 183        | 12.383 | 12.364 | 12.400 | VV | 6082    | 78508    | 0.15%   | 0.016%  |
| 184        | 12.440 | 12.400 | 12.463 | VV | 13394   | 240961   | 0.45%   | 0.049%  |
| 185        | 12.478 | 12.463 | 12.512 | VV | 3632    | 70136    | 0.13%   | 0.014%  |
| 186        | 12.557 | 12.512 | 12.590 | VV | 65201   | 891277   | 1.66%   | 0.182%  |
| 187        | 12.612 | 12.590 | 12.636 | VV | 17722   | 255332   | 0.48%   | 0.052%  |
| 188        | 12.658 | 12.636 | 12.740 | VV | 23138   | 457144   | 0.85%   | 0.094%  |
| 189        | 12.772 | 12.740 | 12.789 | PV | 2489    | 38591    | 0.07%   | 0.008%  |
| 190        | 12.812 | 12.789 | 12.830 | VV | 4652    | 75785    | 0.14%   | 0.016%  |
| 191        | 12.871 | 12.830 | 12.900 | VV | 5919    | 164284   | 0.31%   | 0.034%  |
| 192        | 12.921 | 12.900 | 12.935 | VV | 3867    | 53480    | 0.10%   | 0.011%  |
| 193        | 13.013 | 12.935 | 13.038 | VV | 2628380 | 49444797 | 92.17%  | 10.122% |
| 194        | 13.076 | 13.038 | 13.132 | VV | 3296690 | 53643896 | 100.00% | 10.981% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 13.169 | 13.132 | 13.193 | VV | 50466      | 750587  | 1.40%  | 0.154% |
| 196 | 13.226 | 13.193 | 13.252 | VV | 487789     | 5786014 | 10.79% | 1.184% |
| 197 | 13.262 | 13.252 | 13.301 | VV | 17766      | 435937  | 0.81%  | 0.089% |
| 198 | 13.313 | 13.301 | 13.364 | VV | 10838      | 199489  | 0.37%  | 0.041% |
| 199 | 13.395 | 13.364 | 13.416 | PV | 11613      | 207456  | 0.39%  | 0.042% |
| 200 | 13.425 | 13.416 | 13.457 | VV | 6602       | 136923  | 0.26%  | 0.028% |
| 201 | 13.469 | 13.457 | 13.483 | VV | 4632       | 63876   | 0.12%  | 0.013% |
| 202 | 13.516 | 13.483 | 13.549 | VV | 48719      | 759081  | 1.42%  | 0.155% |
| 203 | 13.561 | 13.549 | 13.574 | VV | 6828       | 92556   | 0.17%  | 0.019% |
| 204 | 13.587 | 13.574 | 13.606 | VV | 7379       | 114003  | 0.21%  | 0.023% |
| 205 | 13.616 | 13.606 | 13.635 | VV | 4695       | 68222   | 0.13%  | 0.014% |
| 206 | 13.653 | 13.635 | 13.684 | VV | 10738      | 173769  | 0.32%  | 0.036% |
| 207 | 13.705 | 13.684 | 13.724 | VV | 7397       | 118560  | 0.22%  | 0.024% |
| 208 | 13.747 | 13.724 | 13.773 | VV | 40418      | 594205  | 1.11%  | 0.122% |
| 209 | 13.796 | 13.773 | 13.834 | VV | 22736      | 473062  | 0.88%  | 0.097% |
| 210 | 13.861 | 13.834 | 13.939 | VV | 22348      | 557297  | 1.04%  | 0.114% |
| 211 | 13.974 | 13.939 | 13.987 | PV | 7667       | 153947  | 0.29%  | 0.032% |
| 212 | 14.009 | 13.987 | 14.018 | VV | 26857      | 338820  | 0.63%  | 0.069% |
| 213 | 14.036 | 14.018 | 14.092 | VV | 43304      | 1154500 | 2.15%  | 0.236% |
| 214 | 14.105 | 14.092 | 14.114 | VV | 8300       | 104123  | 0.19%  | 0.021% |
| 215 | 14.151 | 14.114 | 14.174 | VV | 22981      | 579128  | 1.08%  | 0.119% |
| 216 | 14.199 | 14.174 | 14.217 | VV | 68447      | 894362  | 1.67%  | 0.183% |
| 217 | 14.231 | 14.217 | 14.284 | VV | 26741      | 558965  | 1.04%  | 0.114% |
| 218 | 14.306 | 14.284 | 14.339 | VV | 54454      | 744568  | 1.39%  | 0.152% |
| 219 | 14.364 | 14.339 | 14.408 | VV | 62611      | 1136851 | 2.12%  | 0.233% |
| 220 | 14.431 | 14.408 | 14.455 | VV | 22038      | 329464  | 0.61%  | 0.067% |
| 221 | 14.482 | 14.455 | 14.570 | VV | 18064      | 492268  | 0.92%  | 0.101% |
| 222 | 14.589 | 14.570 | 14.604 | VV | 2717       | 31690   | 0.06%  | 0.006% |
| 223 | 14.653 | 14.604 | 14.668 | PV | 4300       | 83351   | 0.16%  | 0.017% |
| 224 | 14.698 | 14.668 | 14.720 | VV | 5001       | 97104   | 0.18%  | 0.020% |
| 225 | 14.841 | 14.720 | 14.925 | VV | 65189      | 1567267 | 2.92%  | 0.321% |
| 226 | 14.953 | 14.925 | 14.972 | VV | 5727       | 122785  | 0.23%  | 0.025% |
| 227 | 14.986 | 14.972 | 15.009 | VV | 5876       | 98480   | 0.18%  | 0.020% |
| 228 | 15.036 | 15.009 | 15.109 | VV | 8031       | 196985  | 0.37%  | 0.040% |
| 229 | 15.231 | 15.109 | 15.265 | VV | 22024      | 667807  | 1.24%  | 0.137% |
| 230 | 15.274 | 15.265 | 15.334 | VV | 7780       | 170055  | 0.32%  | 0.035% |
| 231 | 15.358 | 15.334 | 15.388 | VV | 29325      | 393816  | 0.73%  | 0.081% |
| 232 | 15.417 | 15.388 | 15.474 | VV | 47148      | 707558  | 1.32%  | 0.145% |
| 233 | 15.500 | 15.474 | 15.522 | PV | 8633       | 129994  | 0.24%  | 0.027% |
| 234 | 15.536 | 15.522 | 15.565 | VV | 4861       | 80897   | 0.15%  | 0.017% |
| 235 | 15.581 | 15.565 | 15.599 | VV | 2443       | 40503   | 0.08%  | 0.008% |
| 236 | 15.683 | 15.599 | 15.708 | VV | 4304       | 185149  | 0.35%  | 0.038% |
| 237 | 15.726 | 15.708 | 15.735 | VV | 2951       | 30410   | 0.06%  | 0.006% |
| 238 | 15.750 | 15.735 | 15.760 | VV | 1780       | 18066   | 0.03%  | 0.004% |
| 239 | 15.786 | 15.760 | 15.805 | PV | 3330       | 44486   | 0.08%  | 0.009% |
| 240 | 15.856 | 15.805 | 15.890 | VV | 33141      | 516044  | 0.96%  | 0.106% |
| 241 | 15.917 | 15.890 | 15.935 | VV | 7390       | 150223  | 0.28%  | 0.031% |
| 242 | 15.951 | 15.935 | 15.978 | VV | 5166       | 100783  | 0.19%  | 0.021% |
| 243 | 15.997 | 15.978 | 16.007 | VV | 3755       | 49969   | 0.09%  | 0.010% |
| 244 | 16.036 | 16.007 | 16.053 | VV | 21705      | 357011  | 0.67%  | 0.073% |
| 245 | 16.071 | 16.053 | 16.114 | VV | 30163      | 625085  | 1.17%  | 0.128% |
| 246 | 16.138 | 16.114 | 16.148 | VV | 11388      | 187549  | 0.35%  | 0.038% |

|     |        |        |        |    | rteres.txt |         |       |        |
|-----|--------|--------|--------|----|------------|---------|-------|--------|
| 247 | 16.161 | 16.148 | 16.180 | VV | 10846      | 187102  | 0.35% | 0.038% |
| 248 | 16.216 | 16.180 | 16.230 | VV | 11140      | 279027  | 0.52% | 0.057% |
| 249 | 16.243 | 16.230 | 16.253 | VV | 10277      | 118628  | 0.22% | 0.024% |
| 250 | 16.270 | 16.253 | 16.309 | VV | 10493      | 280441  | 0.52% | 0.057% |
| 251 | 16.337 | 16.309 | 16.360 | VV | 32414      | 517510  | 0.96% | 0.106% |
| 252 | 16.396 | 16.360 | 16.449 | VV | 38231      | 961075  | 1.79% | 0.197% |
| 253 | 16.497 | 16.449 | 16.515 | VV | 15176      | 467751  | 0.87% | 0.096% |
| 254 | 16.551 | 16.515 | 16.572 | VV | 13912      | 383454  | 0.71% | 0.078% |
| 255 | 16.612 | 16.572 | 16.622 | VV | 8634       | 246836  | 0.46% | 0.051% |
| 256 | 16.655 | 16.622 | 16.674 | VV | 32681      | 588694  | 1.10% | 0.121% |
| 257 | 16.691 | 16.674 | 16.752 | VV | 55235      | 1189605 | 2.22% | 0.244% |
| 258 | 16.799 | 16.752 | 16.819 | VV | 45655      | 1020709 | 1.90% | 0.209% |
| 259 | 17.827 | 16.819 | 16.877 | VV | 25255      | 712972  | 1.33% | 0.146% |
| 260 | 16.895 | 16.877 | 16.923 | VV | 16466      | 396431  | 0.74% | 0.081% |
| 261 | 16.945 | 16.923 | 16.964 | VV | 13461      | 276756  | 0.52% | 0.057% |
| 262 | 16.982 | 16.964 | 17.000 | VV | 16335      | 316491  | 0.59% | 0.065% |
| 263 | 17.042 | 17.000 | 17.070 | VV | 18377      | 647343  | 1.21% | 0.133% |
| 264 | 17.120 | 17.070 | 17.144 | VV | 21750      | 735934  | 1.37% | 0.151% |
| 265 | 17.187 | 17.144 | 17.207 | VV | 22726      | 729821  | 1.36% | 0.149% |
| 266 | 17.249 | 17.207 | 17.280 | VV | 48706      | 1289503 | 2.40% | 0.264% |
| 267 | 17.293 | 17.280 | 17.312 | VV | 23687      | 416717  | 0.78% | 0.085% |
| 268 | 17.322 | 17.312 | 17.344 | VV | 24747      | 409923  | 0.76% | 0.084% |
| 269 | 17.370 | 17.344 | 17.393 | VV | 29569      | 725497  | 1.35% | 0.149% |
| 270 | 17.401 | 17.393 | 17.409 | VV | 22607      | 215786  | 0.40% | 0.044% |
| 271 | 17.430 | 17.409 | 17.480 | VV | 25749      | 962408  | 1.79% | 0.197% |
| 272 | 17.517 | 17.480 | 17.547 | VV | 23585      | 811545  | 1.51% | 0.166% |
| 273 | 17.594 | 17.547 | 17.614 | VV | 27116      | 917912  | 1.71% | 0.188% |
| 274 | 17.630 | 17.614 | 17.642 | VV | 29943      | 465164  | 0.87% | 0.095% |
| 275 | 17.684 | 17.642 | 17.715 | VV | 71810      | 1842452 | 3.43% | 0.377% |
| 276 | 17.732 | 17.715 | 17.750 | VV | 29313      | 566648  | 1.06% | 0.116% |
| 277 | 17.832 | 17.750 | 17.874 | VV | 74521      | 3027239 | 5.64% | 0.620% |
| 278 | 17.883 | 17.874 | 17.900 | VV | 38043      | 583654  | 1.09% | 0.119% |
| 279 | 17.934 | 17.900 | 17.945 | VV | 37475      | 944650  | 1.76% | 0.193% |
| 280 | 17.949 | 17.945 | 17.955 | VV | 37364      | 200197  | 0.37% | 0.041% |
| 281 | 17.981 | 17.955 | 17.994 | VV | 43467      | 943303  | 1.76% | 0.193% |
| 282 | 18.063 | 17.994 | 18.081 | VV | 51490      | 2402743 | 4.48% | 0.492% |
| 283 | 18.105 | 18.081 | 18.129 | VV | 80138      | 1663160 | 3.10% | 0.340% |
| 284 | 18.198 | 18.129 | 18.219 | VV | 79457      | 2946501 | 5.49% | 0.603% |
| 285 | 18.229 | 18.219 | 18.280 | VV | 56616      | 1904831 | 3.55% | 0.390% |
| 286 | 18.320 | 18.280 | 18.340 | VV | 56183      | 1823846 | 3.40% | 0.373% |
| 287 | 18.353 | 18.340 | 18.364 | VV | 49344      | 690505  | 1.29% | 0.141% |
| 288 | 18.375 | 18.364 | 18.385 | VV | 50730      | 597193  | 1.11% | 0.122% |
| 289 | 18.411 | 18.385 | 18.419 | VV | 52940      | 993385  | 1.85% | 0.203% |
| 290 | 18.426 | 18.419 | 18.437 | VV | 49765      | 534132  | 1.00% | 0.109% |
| 291 | 18.445 | 18.437 | 18.454 | VV | 48562      | 465054  | 0.87% | 0.095% |
| 292 | 18.477 | 18.454 | 18.488 | VV | 59024      | 1010533 | 1.88% | 0.207% |
| 293 | 18.512 | 18.488 | 18.555 | VV | 92599      | 2532244 | 4.72% | 0.518% |
| 294 | 18.582 | 18.555 | 18.594 | VV | 51031      | 1076423 | 2.01% | 0.220% |
| 295 | 18.617 | 18.594 | 18.636 | VV | 76650      | 1557588 | 2.90% | 0.319% |
| 296 | 18.666 | 18.636 | 18.682 | VV | 73222      | 1673812 | 3.12% | 0.343% |
| 297 | 18.694 | 18.682 | 18.727 | VV | 56345      | 1394609 | 2.60% | 0.285% |
| 298 | 18.758 | 18.727 | 18.770 | VV | 55690      | 1363170 | 2.54% | 0.279% |
| 299 | 18.802 | 18.770 | 18.812 | VV | 65778      | 1523380 | 2.84% | 0.312% |

|     |        |        |        |    |                         |           |        |        |
|-----|--------|--------|--------|----|-------------------------|-----------|--------|--------|
|     |        |        |        |    | rteres.txt              |           |        |        |
| 300 | 18.825 | 18.812 | 18.839 | VV | 63110                   | 992625    | 1.85%  | 0.203% |
| 301 | 18.907 | 18.839 | 18.926 | VV | 96971                   | 3827597   | 7.14%  | 0.784% |
| 302 | 18.948 | 18.926 | 18.964 | VV | 81178                   | 1609034   | 3.00%  | 0.329% |
| 303 | 19.016 | 18.964 | 19.044 | VV | 75775                   | 3178054   | 5.92%  | 0.651% |
| 304 | 19.068 | 19.044 | 19.084 | VV | 73043                   | 1611115   | 3.00%  | 0.330% |
| 305 | 19.112 | 19.084 | 19.129 | VV | 74328                   | 1895394   | 3.53%  | 0.388% |
| 306 | 19.179 | 19.129 | 19.197 | VV | 77245                   | 3036070   | 5.66%  | 0.622% |
| 307 | 19.222 | 19.197 | 19.232 | VV | 81789                   | 1596434   | 2.98%  | 0.327% |
| 308 | 19.292 | 19.232 | 19.312 | VV | 114040                  | 4420193   | 8.24%  | 0.905% |
| 309 | 19.326 | 19.312 | 19.384 | VV | 105996                  | 3760729   | 7.01%  | 0.770% |
| 310 | 19.412 | 19.384 | 19.438 | VV | 98975                   | 2863759   | 5.34%  | 0.586% |
| 311 | 19.457 | 19.438 | 19.467 | VV | 97530                   | 1556172   | 2.90%  | 0.319% |
| 312 | 19.482 | 19.467 | 19.502 | VV | 100640                  | 1991261   | 3.71%  | 0.408% |
| 313 | 19.536 | 19.502 | 19.547 | VV | 100728                  | 2523690   | 4.70%  | 0.517% |
| 314 | 19.575 | 19.547 | 19.609 | VV | 106411                  | 3566367   | 6.65%  | 0.730% |
| 315 | 19.657 | 19.609 | 19.690 | VV | 125822                  | 5285204   | 9.85%  | 1.082% |
| 316 | 19.710 | 19.690 | 19.729 | VV | 112511                  | 2372896   | 4.42%  | 0.486% |
| 317 | 19.738 | 19.729 | 19.750 | VV | 100685                  | 1241082   | 2.31%  | 0.254% |
| 318 | 19.765 | 19.750 | 19.794 | VV | 103403                  | 2526573   | 4.71%  | 0.517% |
| 319 | 19.828 | 19.794 | 19.860 | VV | 115574                  | 4090927   | 7.63%  | 0.837% |
| 320 | 19.945 | 19.860 | 19.965 | VV | 134153                  | 7137396   | 13.31% | 1.461% |
| 321 | 19.980 | 19.965 | 20.004 | VV | 124230                  | 2833983   | 5.28%  | 0.580% |
| 322 | 20.026 | 20.004 | 20.055 | VV | 130596                  | 3661493   | 6.83%  | 0.750% |
| 323 | 20.099 | 20.055 | 20.117 | VV | 128316                  | 4385752   | 8.18%  | 0.898% |
| 324 | 20.128 | 20.117 | 20.166 | VV | 127853                  | 3612949   | 6.74%  | 0.740% |
| 325 | 20.180 | 20.166 | 20.194 | VV | 133481                  | 2066913   | 3.85%  | 0.423% |
| 326 | 20.236 | 20.194 | 20.279 | VV | 156922                  | 7054457   | 13.15% | 1.444% |
| 327 | 20.317 | 20.279 | 20.360 | VV | 151719                  | 6786095   | 12.65% | 1.389% |
| 328 | 20.381 | 20.360 | 20.415 | VV | 157563                  | 4685398   | 8.73%  | 0.959% |
| 329 | 20.460 | 20.415 | 20.470 | VV | 135142                  | 4283956   | 7.99%  | 0.877% |
| 330 | 20.517 | 20.470 | 20.534 | VV | 150522                  | 5197542   | 9.69%  | 1.064% |
| 331 | 20.538 | 20.534 | 20.564 | VV | 138716                  | 2396632   | 4.47%  | 0.491% |
| 332 | 20.571 | 20.564 | 20.657 | VV | 131773                  | 6698195   | 12.49% | 1.371% |
| 333 | 20.666 | 20.657 | 20.684 | VV | 107949                  | 1654339   | 3.08%  | 0.339% |
| 334 | 20.694 | 20.684 | 20.719 | VV | 104470                  | 2157151   | 4.02%  | 0.442% |
| 335 | 20.751 | 20.719 | 20.787 | VV | 115168                  | 4014048   | 7.48%  | 0.822% |
| 336 | 20.817 | 20.787 | 20.832 | VV | 91462                   | 2397587   | 4.47%  | 0.491% |
| 337 | 20.841 | 20.832 | 20.850 | VV | 90051                   | 960691    | 1.79%  | 0.197% |
| 338 | 20.861 | 20.850 | 20.905 | VV | 91245                   | 2749237   | 5.12%  | 0.563% |
| 339 | 20.927 | 20.905 | 20.985 | VV | 87711                   | 3944907   | 7.35%  | 0.808% |
| 340 | 21.006 | 20.985 | 21.095 | VV | 85278                   | 4438984   | 8.27%  | 0.909% |
| 341 | 21.118 | 21.095 | 21.144 | VV | 63920                   | 1741805   | 3.25%  | 0.357% |
| 342 | 21.173 | 21.144 | 21.215 | VV | 71028                   | 2650241   | 4.94%  | 0.543% |
| 343 | 21.225 | 21.215 | 21.250 | VV | 54947                   | 1050292   | 1.96%  | 0.215% |
| 344 | 21.285 | 21.250 | 21.295 | VV | 54211                   | 1288692   | 2.40%  | 0.264% |
| 345 | 21.309 | 21.295 | 21.375 | VV | 46954                   | 1992978   | 3.72%  | 0.408% |
| 346 | 21.417 | 21.375 | 21.434 | VV | 41952                   | 1368671   | 2.55%  | 0.280% |
| 347 | 21.477 | 21.434 | 21.597 | VV | 43579                   | 2831055   | 5.28%  | 0.580% |
| 348 | 21.635 | 21.597 | 21.697 | VV | 27375                   | 732014    | 1.36%  | 0.150% |
| 349 | 21.713 | 21.697 | 21.749 | VV | 8216                    | 142526    | 0.27%  | 0.029% |
|     |        |        |        |    | Sum of corrected areas: | 488506787 |        |        |

Alaphatic EPH 092519.M Fri Oct 04 11:59:59 2019 rteres.txt