

Instrument :  
FID\_D  
ClientSampleId :  
B-6(4-5)

rteres

# Area Percent Report

Manual Integrations  
APPROVED

Sohil  
3/1/2019 5:40:00 PM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD022819AL\  
Data File : FD028028.D  
Signal(s) : FID2B.CH  
Acq On : 01 Mar 2019 6:25  
Sample : K1650-12  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Alaphatic EPH 020419.M  
Title : GC Extractables

Signal : FID2B.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         | 3.056       | 3.005        | 3.135      | BV       | 981            | 15183        | 0.07%          | 0.004%        |
| 2         | 3.423       | 3.401        | 3.445      | VV       | 847            | 12540        | 0.06%          | 0.003%        |
| 3         | 3.537       | 3.515        | 3.599      | VV       | 3018           | 53010        | 0.24%          | 0.014%        |
| 4         | 3.619       | 3.599        | 3.669      | VV       | 2320           | 27402        | 0.12%          | 0.007%        |
| 5         | 3.731       | 3.669        | 3.791      | PV       | 4149           | 93152        | 0.42%          | 0.024%        |
| 6         | 3.807       | 3.791        | 3.827      | VV       | 952            | 13656        | 0.06%          | 0.003%        |
| 7         | 3.869       | 3.827        | 3.898      | VV       | 5406           | 64408        | 0.29%          | 0.016%        |
| 8         | 3.944       | 3.928        | 3.978      | VV       | 591            | 11323        | 0.05%          | 0.003%        |
| 9         | 4.110       | 4.084        | 4.127      | VV       | 1669           | 17089        | 0.08%          | 0.004%        |
| 10        | 4.143       | 4.127        | 4.160      | VV       | 1521           | 13882        | 0.06%          | 0.004%        |
| 11        | 4.265       | 4.253        | 4.282      | VV       | 1246           | 12750        | 0.06%          | 0.003%        |
| 12        | 4.312       | 4.282        | 4.345      | VV       | 3011           | 46729        | 0.21%          | 0.012%        |
| 13        | 4.361       | 4.345        | 4.397      | VV       | 1226           | 19377        | 0.09%          | 0.005%        |
| 14        | 4.458       | 4.437        | 4.467      | VV       | 1276           | 16276        | 0.07%          | 0.004%        |
| 15        | 4.480       | 4.467        | 4.503      | VV       | 1823           | 24303        | 0.11%          | 0.006%        |
| 16        | 4.518       | 4.503        | 4.536      | VV       | 1368           | 16311        | 0.07%          | 0.004%        |
| 17        | 4.555       | 4.536        | 4.595      | VV       | 2651           | 33800        | 0.15%          | 0.009%        |
| 18        | 4.686       | 4.644        | 4.724      | PV       | 1549           | 41400        | 0.19%          | 0.011%        |
| 19        | 4.739       | 4.724        | 4.767      | VV       | 1784           | 28912        | 0.13%          | 0.007%        |
| 20        | 4.784       | 4.767        | 4.797      | VV       | 1788           | 18726        | 0.08%          | 0.005%        |
| 21        | 4.813       | 4.797        | 4.832      | VV       | 2117           | 24218        | 0.11%          | 0.006%        |
| 22        | 4.845       | 4.832        | 4.879      | VV       | 773            | 12227        | 0.05%          | 0.003%        |
| 23        | 4.961       | 4.945        | 4.982      | VV       | 744            | 11429        | 0.05%          | 0.003%        |
| 24        | 5.003       | 4.982        | 5.038      | VV       | 981            | 20686        | 0.09%          | 0.005%        |
| 25        | 5.138       | 5.118        | 5.198      | VV       | 3919           | 72573        | 0.32%          | 0.019%        |
| 26        | 5.309       | 5.269        | 5.361      | VV       | 1296           | 33686        | 0.15%          | 0.009%        |
| 27        | 5.406       | 5.361        | 5.448      | VV       | 3399           | 82610        | 0.37%          | 0.021%        |
| 28        | 5.458       | 5.448        | 5.471      | VV       | 1231           | 13277        | 0.06%          | 0.003%        |
| 29        | 5.497       | 5.471        | 5.515      | VV       | 1098           | 17967        | 0.08%          | 0.005%        |
| 30        | 5.534       | 5.515        | 5.564      | VV       | 581            | 11639        | 0.05%          | 0.003%        |
| 31        | 5.588       | 5.564        | 5.605      | VV       | 1924           | 23893        | 0.11%          | 0.006%        |
| 32        | 5.634       | 5.605        | 5.643      | VV       | 1245           | 24441        | 0.11%          | 0.006%        |
| 33        | 5.664       | 5.643        | 5.692      | VV       | 31044          | 303729       | 1.36%          | 0.078%        |
| 34        | 5.711       | 5.692        | 5.745      | VV       | 1875           | 33911        | 0.15%          | 0.009%        |
| 35        | 5.772       | 5.745        | 5.785      | VV       | 965            | 17903        | 0.08%          | 0.005%        |
| 36        | 5.805       | 5.785        | 5.825      | VV       | 1813           | 30019        | 0.13%          | 0.008%        |

|        |       |       |       |    |       |         |       |        |
|--------|-------|-------|-------|----|-------|---------|-------|--------|
| rteres |       |       |       |    |       |         |       |        |
| 37     | 5.846 | 5.825 | 5.870 | VV | 1852  | 31359   | 0.14% | 0.008% |
| 38     | 5.886 | 5.870 | 5.900 | VV | 1229  | 13751   | 0.06% | 0.004% |
| 39     | 5.947 | 5.900 | 5.994 | VV | 1945  | 56199   | 0.25% | 0.014% |
| 40     | 6.029 | 6.018 | 6.042 | VV | 827   | 10062   | 0.04% | 0.003% |
| 41     | 6.058 | 6.042 | 6.091 | VV | 852   | 14011   | 0.06% | 0.004% |
| 42     | 6.113 | 6.091 | 6.159 | VV | 3717  | 46181   | 0.21% | 0.012% |
| 43     | 6.222 | 6.201 | 6.240 | VV | 940   | 12024   | 0.05% | 0.003% |
| 44     | 6.261 | 6.240 | 6.278 | VV | 1372  | 17585   | 0.08% | 0.004% |
| 45     | 6.298 | 6.278 | 6.321 | VV | 698   | 12820   | 0.06% | 0.003% |
| 46     | 6.379 | 6.361 | 6.399 | PV | 1319  | 12984   | 0.06% | 0.003% |
| 47     | 6.425 | 6.399 | 6.468 | VV | 1374  | 27438   | 0.12% | 0.007% |
| 48     | 6.494 | 6.468 | 6.511 | VV | 1306  | 17185   | 0.08% | 0.004% |
| 49     | 6.530 | 6.511 | 6.562 | VV | 467   | 10454   | 0.05% | 0.003% |
| 50     | 6.589 | 6.562 | 6.597 | VV | 922   | 11922   | 0.05% | 0.003% |
| 51     | 6.620 | 6.597 | 6.639 | VV | 1577  | 28032   | 0.13% | 0.007% |
| 52     | 6.656 | 6.639 | 6.685 | VV | 1335  | 28985   | 0.13% | 0.007% |
| 53     | 6.711 | 6.685 | 6.750 | VV | 16052 | 180363  | 0.81% | 0.046% |
| 54     | 6.807 | 6.750 | 6.824 | VV | 4199  | 84210   | 0.38% | 0.022% |
| 55     | 6.843 | 6.824 | 6.886 | VV | 21245 | 232479  | 1.04% | 0.059% |
| 56     | 6.902 | 6.886 | 6.916 | VV | 1075  | 15359   | 0.07% | 0.004% |
| 57     | 6.926 | 6.916 | 6.938 | VV | 892   | 10142   | 0.05% | 0.003% |
| 58     | 6.951 | 6.938 | 6.963 | VV | 1040  | 12696   | 0.06% | 0.003% |
| 59     | 6.975 | 6.963 | 6.996 | VV | 1067  | 16371   | 0.07% | 0.004% |
| 60     | 7.030 | 6.996 | 7.061 | VV | 3653  | 47459   | 0.21% | 0.012% |
| 61     | 7.196 | 7.170 | 7.228 | VV | 934   | 17552   | 0.08% | 0.004% |
| 62     | 7.352 | 7.321 | 7.371 | PV | 659   | 11243   | 0.05% | 0.003% |
| 63     | 7.434 | 7.371 | 7.473 | VV | 8127  | 129950  | 0.58% | 0.033% |
| 64     | 7.483 | 7.473 | 7.505 | VV | 1144  | 14850   | 0.07% | 0.004% |
| 65     | 7.530 | 7.505 | 7.558 | VV | 673   | 15546   | 0.07% | 0.004% |
| 66     | 7.587 | 7.558 | 7.618 | VV | 4857  | 74364   | 0.33% | 0.019% |
| 67     | 7.648 | 7.618 | 7.660 | VV | 1291  | 27147   | 0.12% | 0.007% |
| 68     | 7.695 | 7.660 | 7.741 | VV | 10198 | 224640  | 1.00% | 0.057% |
| 69     | 7.758 | 7.741 | 7.771 | VV | 1240  | 15725   | 0.07% | 0.004% |
| 70     | 7.798 | 7.771 | 7.813 | VV | 31983 | 353596  | 1.58% | 0.090% |
| 71     | 7.824 | 7.813 | 7.844 | VV | 17654 | 176307  | 0.79% | 0.045% |
| 72     | 7.856 | 7.844 | 7.876 | VV | 3261  | 43469   | 0.19% | 0.011% |
| 73     | 7.894 | 7.876 | 7.928 | VV | 4312  | 60084   | 0.27% | 0.015% |
| 74     | 7.976 | 7.928 | 8.018 | VV | 81812 | 1155433 | 5.16% | 0.295% |
| 75     | 8.029 | 8.018 | 8.047 | VV | 2388  | 33087   | 0.15% | 0.008% |
| 76     | 8.067 | 8.047 | 8.104 | VV | 7795  | 89785   | 0.40% | 0.023% |
| 77     | 8.119 | 8.104 | 8.185 | VV | 1362  | 21964   | 0.10% | 0.006% |
| 78     | 8.228 | 8.201 | 8.245 | VV | 3610  | 44741   | 0.20% | 0.011% |
| 79     | 8.268 | 8.245 | 8.298 | VV | 53722 | 519419  | 2.32% | 0.133% |
| 80     | 8.323 | 8.298 | 8.349 | VV | 10770 | 124010  | 0.55% | 0.032% |
| 81     | 8.391 | 8.366 | 8.408 | VV | 4600  | 57528   | 0.26% | 0.015% |
| 82     | 8.427 | 8.408 | 8.448 | VV | 4513  | 64105   | 0.29% | 0.016% |
| 83     | 8.462 | 8.448 | 8.484 | VV | 2250  | 32194   | 0.14% | 0.008% |
| 84     | 8.512 | 8.484 | 8.522 | VV | 10567 | 123302  | 0.55% | 0.032% |
| 85     | 8.541 | 8.522 | 8.568 | VV | 50364 | 521321  | 2.33% | 0.133% |
| 86     | 8.583 | 8.568 | 8.599 | VV | 3687  | 47126   | 0.21% | 0.012% |
| 87     | 8.631 | 8.599 | 8.660 | VV | 4234  | 107039  | 0.48% | 0.027% |
| 88     | 8.680 | 8.660 | 8.696 | VV | 13016 | 135400  | 0.61% | 0.035% |
| 89     | 8.718 | 8.696 | 8.762 | VV | 18660 | 244942  | 1.09% | 0.063% |

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|     |        |        |        |    | rt      | Area     | Area%  | Height |
|-----|--------|--------|--------|----|---------|----------|--------|--------|
| 90  | 8.781  | 8.762  | 8.804  | VV | 1207    | 14884    | 0.07%  | 0.004% |
| 91  | 8.834  | 8.804  | 8.850  | VV | 16682   | 185765   | 0.83%  | 0.047% |
| 92  | 8.865  | 8.850  | 8.885  | VV | 14260   | 144699   | 0.65%  | 0.037% |
| 93  | 8.912  | 8.885  | 8.932  | VV | 7775    | 108703   | 0.49%  | 0.028% |
| 94  | 8.968  | 8.932  | 8.989  | VV | 16318   | 220820   | 0.99%  | 0.056% |
| 95  | 9.006  | 8.989  | 9.022  | VV | 5647    | 64298    | 0.29%  | 0.016% |
| 96  | 9.046  | 9.022  | 9.104  | VV | 74426   | 865312   | 3.87%  | 0.221% |
| 97  | 9.128  | 9.104  | 9.145  | VV | 18162   | 200596   | 0.90%  | 0.051% |
| 98  | 9.163  | 9.145  | 9.177  | VV | 9802    | 131956   | 0.59%  | 0.034% |
| 99  | 9.195  | 9.177  | 9.219  | VV | 17679   | 246515   | 1.10%  | 0.063% |
| 100 | 9.255  | 9.219  | 9.282  | VV | 13493   | 224896   | 1.01%  | 0.057% |
| 101 | 9.307  | 9.282  | 9.338  | VV | 4483    | 100476   | 0.45%  | 0.026% |
| 102 | 9.368  | 9.338  | 9.392  | VV | 35879   | 416448   | 1.86%  | 0.106% |
| 103 | 9.421  | 9.392  | 9.440  | VV | 7535    | 166738   | 0.75%  | 0.043% |
| 104 | 9.466  | 9.440  | 9.510  | VV | 46971   | 738776   | 3.30%  | 0.189% |
| 105 | 9.526  | 9.510  | 9.545  | VV | 10146   | 115630   | 0.52%  | 0.030% |
| 106 | 9.565  | 9.545  | 9.595  | VV | 3623    | 70791    | 0.32%  | 0.018% |
| 107 | 9.633  | 9.595  | 9.691  | VV | 5542    | 104360   | 0.47%  | 0.027% |
| 108 | 9.736  | 9.691  | 9.762  | PV | 1311    | 26034    | 0.12%  | 0.007% |
| 109 | 9.789  | 9.762  | 9.809  | VV | 6980    | 85615    | 0.38%  | 0.022% |
| 110 | 9.829  | 9.809  | 9.845  | VV | 2515    | 40226    | 0.18%  | 0.010% |
| 111 | 9.920  | 9.845  | 9.941  | VV | 27812   | 518006   | 2.32%  | 0.132% |
| 112 | 9.959  | 9.941  | 9.991  | VV | 15927   | 225708   | 1.01%  | 0.058% |
| 113 | 10.040 | 9.991  | 10.068 | VV | 17677   | 370373   | 1.66%  | 0.095% |
| 114 | 10.089 | 10.068 | 10.125 | VV | 79585   | 921135   | 4.12%  | 0.235% |
| 115 | 10.139 | 10.125 | 10.152 | VV | 5509    | 82355    | 0.37%  | 0.021% |
| 116 | 10.169 | 10.152 | 10.185 | VV | 8259    | 113605   | 0.51%  | 0.029% |
| 117 | 10.216 | 10.185 | 10.223 | VV | 40298   | 515191   | 2.30%  | 0.132% |
| 118 | 10.238 | 10.223 | 10.275 | VV | 60209   | 897759   | 4.01%  | 0.229% |
| 119 | 10.294 | 10.275 | 10.306 | VV | 9799    | 147320   | 0.66%  | 0.038% |
| 120 | 10.310 | 10.306 | 10.326 | VV | 8203    | 76322    | 0.34%  | 0.019% |
| 121 | 10.347 | 10.326 | 10.365 | VV | 20239   | 263473   | 1.18%  | 0.067% |
| 122 | 10.447 | 10.365 | 10.483 | VV | 1179776 | 14620266 | 65.35% | 3.735% |
| 123 | 10.509 | 10.483 | 10.556 | VV | 219358  | 2392256  | 10.69% | 0.611% |
| 124 | 10.582 | 10.556 | 10.601 | VV | 7311    | 151186   | 0.68%  | 0.039% |
| 125 | 10.623 | 10.601 | 10.657 | VV | 4878    | 111035   | 0.50%  | 0.028% |
| 126 | 10.677 | 10.657 | 10.702 | VV | 14058   | 193966   | 0.87%  | 0.050% |
| 127 | 10.729 | 10.702 | 10.767 | VV | 79325   | 952091   | 4.26%  | 0.243% |
| 128 | 10.795 | 10.767 | 10.811 | VV | 5741    | 107453   | 0.48%  | 0.027% |
| 129 | 10.844 | 10.811 | 10.862 | VV | 12044   | 236885   | 1.06%  | 0.061% |
| 130 | 10.881 | 10.862 | 10.899 | VV | 11035   | 175702   | 0.79%  | 0.045% |
| 131 | 10.948 | 10.899 | 10.960 | VV | 36612   | 683372   | 3.05%  | 0.175% |
| 132 | 10.971 | 10.960 | 10.996 | VV | 36963   | 462753   | 2.07%  | 0.118% |
| 133 | 11.039 | 10.996 | 11.059 | VV | 28343   | 455458   | 2.04%  | 0.116% |
| 134 | 11.080 | 11.059 | 11.101 | VV | 21305   | 303975   | 1.36%  | 0.078% |
| 135 | 11.123 | 11.101 | 11.145 | VV | 20355   | 288913   | 1.29%  | 0.074% |
| 136 | 11.155 | 11.145 | 11.167 | VV | 5036    | 61978    | 0.28%  | 0.016% |
| 137 | 11.211 | 11.167 | 11.246 | VV | 222161  | 4071767  | 18.20% | 1.040% |
| 138 | 11.263 | 11.246 | 11.305 | VV | 197454  | 2330387  | 10.42% | 0.595% |
| 139 | 11.342 | 11.305 | 11.360 | VV | 146779  | 2125322  | 9.50%  | 0.543% |
| 140 | 11.377 | 11.360 | 11.392 | VV | 103557  | 1136201  | 5.08%  | 0.290% |
| 141 | 11.408 | 11.392 | 11.442 | VV | 132706  | 1528235  | 6.83%  | 0.390% |

| rteres |        |        |        |    |         |          |         |        |
|--------|--------|--------|--------|----|---------|----------|---------|--------|
| 142    | 11.463 | 11.442 | 11.476 | VV | 9668    | 140493   | 0.63%   | 0.036% |
| 143    | 11.497 | 11.476 | 11.519 | VV | 15944   | 243400   | 1.09%   | 0.062% |
| 144    | 11.592 | 11.519 | 11.650 | VV | 182291  | 2600208  | 11.62%  | 0.664% |
| 145    | 11.663 | 11.650 | 11.675 | VV | 7627    | 104418   | 0.47%   | 0.027% |
| 146    | 11.701 | 11.675 | 11.740 | VV | 115849  | 1469299  | 6.57%   | 0.375% |
| 147    | 11.757 | 11.740 | 11.786 | VV | 15797   | 262043   | 1.17%   | 0.067% |
| 148    | 11.842 | 11.786 | 11.865 | VV | 24235   | 511836   | 2.29%   | 0.131% |
| 149    | 11.879 | 11.865 | 11.891 | VV | 8267    | 119325   | 0.53%   | 0.030% |
| 150    | 11.903 | 11.891 | 11.917 | VV | 8711    | 121133   | 0.54%   | 0.031% |
| 151    | 11.944 | 11.917 | 11.957 | VV | 25041   | 400137   | 1.79%   | 0.102% |
| 152    | 11.970 | 11.957 | 11.993 | VV | 22339   | 344369   | 1.54%   | 0.088% |
| 153    | 12.015 | 11.993 | 12.056 | VV | 42081   | 835316   | 3.73%   | 0.213% |
| 154    | 12.081 | 12.056 | 12.104 | VV | 80640   | 1137830  | 5.09%   | 0.291% |
| 155    | 12.128 | 12.104 | 12.151 | VV | 105744  | 1637815  | 7.32%   | 0.418% |
| 156    | 12.168 | 12.151 | 12.187 | VV | 40338   | 716077   | 3.20%   | 0.183% |
| 157    | 12.259 | 12.187 | 12.287 | VV | 1349806 | 22371884 | 100.00% | 5.716% |
| 158    | 12.303 | 12.287 | 12.322 | VV | 24338   | 295470   | 1.32%   | 0.075% |
| 159    | 12.336 | 12.322 | 12.350 | VV | 11763   | 159504   | 0.71%   | 0.041% |
| 160    | 12.373 | 12.350 | 12.393 | VV | 79248   | 940748   | 4.21%   | 0.240% |
| 161    | 12.417 | 12.393 | 12.442 | VV | 88915   | 1325353  | 5.92%   | 0.339% |
| 162    | 12.465 | 12.442 | 12.501 | VV | 73669   | 1274359  | 5.70%   | 0.326% |
| 163    | 12.551 | 12.501 | 12.571 | VV | 1196739 | 17392603 | 77.74%  | 4.443% |
| 164    | 12.592 | 12.571 | 12.606 | VV | 126897  | 1456180  | 6.51%   | 0.372% |
| 165    | 12.624 | 12.606 | 12.639 | VV | 178417  | 2047026  | 9.15%   | 0.523% |
| 166    | 12.653 | 12.639 | 12.685 | VV | 164669  | 2117209  | 9.46%   | 0.541% |
| 167    | 12.727 | 12.685 | 12.763 | VV | 76342   | 1794487  | 8.02%   | 0.458% |
| 168    | 12.799 | 12.763 | 12.850 | VV | 93822   | 1578923  | 7.06%   | 0.403% |
| 169    | 12.874 | 12.850 | 12.898 | VV | 43316   | 683181   | 3.05%   | 0.175% |
| 170    | 12.927 | 12.898 | 12.949 | VV | 52333   | 743176   | 3.32%   | 0.190% |
| 171    | 12.989 | 12.949 | 13.028 | VV | 101803  | 1886781  | 8.43%   | 0.482% |
| 172    | 13.045 | 13.028 | 13.068 | VV | 16886   | 316785   | 1.42%   | 0.081% |
| 173    | 13.120 | 13.068 | 13.168 | VV | 204881  | 3822862  | 17.09%  | 0.977% |
| 174    | 13.189 | 13.168 | 13.203 | VV | 30058   | 440653   | 1.97%   | 0.113% |
| 175    | 13.226 | 13.203 | 13.244 | VV | 114152  | 1541578  | 6.89%   | 0.394% |
| 176    | 13.262 | 13.244 | 13.284 | VV | 131096  | 1583954  | 7.08%   | 0.405% |
| 177    | 13.299 | 13.284 | 13.326 | VV | 29535   | 513225   | 2.29%   | 0.131% |
| 178    | 13.388 | 13.326 | 13.410 | VV | 103379  | 2437167  | 10.89%  | 0.623% |
| 179    | 13.430 | 13.410 | 13.471 | VV | 89681   | 1498727  | 6.70%   | 0.383% |
| 180    | 13.507 | 13.471 | 13.526 | VV | 28297   | 626149   | 2.80%   | 0.160% |
| 181    | 13.546 | 13.526 | 13.567 | VV | 22243   | 446309   | 1.99%   | 0.114% |
| 182    | 13.577 | 13.567 | 13.588 | VV | 15740   | 169999   | 0.76%   | 0.043% |
| 183    | 13.608 | 13.588 | 13.623 | VV | 18491   | 338843   | 1.51%   | 0.087% |
| 184    | 13.639 | 13.623 | 13.658 | VV | 19092   | 306795   | 1.37%   | 0.078% |
| 185    | 13.669 | 13.658 | 13.682 | VV | 11487   | 149373   | 0.67%   | 0.038% |
| 186    | 13.697 | 13.682 | 13.716 | VV | 12510   | 200035   | 0.89%   | 0.051% |
| 187    | 13.752 | 13.716 | 13.764 | VV | 10434   | 245241   | 1.10%   | 0.063% |
| 188    | 13.810 | 13.764 | 13.828 | VV | 43105   | 1046010  | 4.68%   | 0.267% |
| 189    | 13.851 | 13.828 | 13.885 | VV | 167051  | 2217391  | 9.91%   | 0.566% |
| 190    | 13.905 | 13.885 | 13.918 | VV | 21316   | 377806   | 1.69%   | 0.097% |
| 191    | 13.947 | 13.918 | 13.988 | VV | 34788   | 986778   | 4.41%   | 0.252% |
| 192    | 14.020 | 13.988 | 14.054 | VV | 151489  | 2373044  | 10.61%  | 0.606% |
| 193    | 14.084 | 14.054 | 14.107 | VV | 231785  | 3132985  | 14.00%  | 0.800% |
| 194    | 14.154 | 14.107 | 14.187 | VV | 168749  | 3402065  | 15.21%  | 0.869% |

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| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 195    | 14.235 | 14.187 | 14.247 | VV | 29060  | 798427   | 3.57%  | 0.204% |
| 196    | 14.267 | 14.247 | 14.290 | VV | 55592  | 918260   | 4.10%  | 0.235% |
| 197    | 14.301 | 14.290 | 14.324 | VV | 19983  | 318275   | 1.42%  | 0.081% |
| 198    | 14.352 | 14.324 | 14.370 | VV | 61728  | 1046792  | 4.68%  | 0.267% |
| 199    | 14.408 | 14.370 | 14.426 | VV | 639440 | 9863331  | 44.09% | 2.520% |
| 200    | 14.453 | 14.426 | 14.475 | VV | 749543 | 9996264  | 44.68% | 2.554% |
| 201    | 14.494 | 14.475 | 14.518 | VV | 39049  | 649809   | 2.90%  | 0.166% |
| 202    | 14.558 | 14.518 | 14.610 | VV | 228315 | 3849533  | 17.21% | 0.983% |
| 203    | 14.639 | 14.610 | 14.671 | VV | 71579  | 1374548  | 6.14%  | 0.351% |
| 204    | 14.701 | 14.671 | 14.717 | VV | 91525  | 1343190  | 6.00%  | 0.343% |
| 205    | 14.730 | 14.717 | 14.793 | VV | 70537  | 1745789  | 7.80%  | 0.446% |
| 206    | 14.839 | 14.793 | 14.861 | VV | 52512  | 1273289  | 5.69%  | 0.325% |
| 207    | 14.880 | 14.861 | 14.907 | VV | 42118  | 861543   | 3.85%  | 0.220% |
| 208    | 14.925 | 14.907 | 14.951 | VV | 30742  | 673998   | 3.01%  | 0.172% |
| 209    | 14.977 | 14.951 | 14.992 | VV | 27722  | 571168   | 2.55%  | 0.146% |
| 210    | 15.021 | 14.992 | 15.033 | VV | 48246  | 891286   | 3.98%  | 0.228% |
| 211    | 15.064 | 15.033 | 15.085 | VV | 177765 | 2932919  | 13.11% | 0.749% |
| 212    | 15.101 | 15.085 | 15.127 | VV | 83660  | 1355896  | 6.06%  | 0.346% |
| 213    | 15.143 | 15.127 | 15.174 | VV | 47578  | 1006103  | 4.50%  | 0.257% |
| 214    | 15.224 | 15.174 | 15.263 | VV | 103526 | 3175365  | 14.19% | 0.811% |
| 215    | 15.302 | 15.263 | 15.360 | VV | 46972  | 1643684  | 7.35%  | 0.420% |
| 216    | 15.384 | 15.360 | 15.409 | VV | 49808  | 801493   | 3.58%  | 0.205% |
| 217    | 15.431 | 15.409 | 15.446 | VV | 42776  | 665062   | 2.97%  | 0.170% |
| 218    | 15.459 | 15.446 | 15.470 | VV | 34111  | 443656   | 1.98%  | 0.113% |
| 219    | 15.482 | 15.470 | 15.535 | VV | 33245  | 891872   | 3.99%  | 0.228% |
| 220    | 15.558 | 15.535 | 15.568 | VV | 21409  | 359138   | 1.61%  | 0.092% |
| 221    | 15.585 | 15.568 | 15.608 | VV | 26607  | 516921   | 2.31%  | 0.132% |
| 222    | 15.685 | 15.608 | 15.708 | VV | 45493  | 1635844  | 7.31%  | 0.418% |
| 223    | 15.731 | 15.708 | 15.751 | VV | 57894  | 997173   | 4.46%  | 0.255% |
| 224    | 15.765 | 15.751 | 15.783 | VV | 30157  | 534029   | 2.39%  | 0.136% |
| 225    | 15.801 | 15.783 | 15.831 | VV | 34023  | 827865   | 3.70%  | 0.212% |
| 226    | 15.856 | 15.831 | 15.879 | VV | 52638  | 1175996  | 5.26%  | 0.300% |
| 227    | 15.896 | 15.879 | 15.913 | VV | 54856  | 917132   | 4.10%  | 0.234% |
| 228    | 15.963 | 15.913 | 16.045 | VV | 664730 | 17819998 | 79.65% | 4.553% |
| 229    | 16.076 | 16.045 | 16.096 | VV | 185680 | 2610300  | 11.67% | 0.667% |
| 230    | 16.110 | 16.096 | 16.150 | VV | 50062  | 1192052  | 5.33%  | 0.305% |
| 231    | 16.160 | 16.150 | 16.172 | VV | 32260  | 401892   | 1.80%  | 0.103% |
| 232    | 16.191 | 16.172 | 16.217 | VV | 45956  | 996168   | 4.45%  | 0.255% |
| 233    | 16.273 | 16.217 | 16.297 | VV | 452647 | 9186338  | 41.06% | 2.347% |
| 234    | 16.337 | 16.297 | 16.370 | VV | 597069 | 9977929  | 44.60% | 2.549% |
| 235    | 16.423 | 16.370 | 16.445 | VV | 204552 | 3479307  | 15.55% | 0.889% |
| 236    | 16.472 | 16.445 | 16.507 | VV | 64071  | 1652578  | 7.39%  | 0.422% |
| 237    | 16.560 | 16.507 | 16.604 | VV | 68237  | 2729232  | 12.20% | 0.697% |
| 238    | 16.621 | 16.604 | 16.641 | VV | 44834  | 764455   | 3.42%  | 0.195% |
| 239    | 16.684 | 16.641 | 16.753 | VV | 90420  | 3414191  | 15.26% | 0.872% |
| 240    | 16.805 | 16.753 | 16.827 | VV | 71128  | 2107034  | 9.42%  | 0.538% |
| 241    | 16.840 | 16.827 | 16.872 | VV | 62949  | 1203771  | 5.38%  | 0.308% |
| 242    | 16.898 | 16.872 | 16.943 | VV | 66354  | 1869707  | 8.36%  | 0.478% |
| 243    | 16.969 | 16.943 | 16.995 | VV | 71418  | 1551131  | 6.93%  | 0.396% |
| 244    | 17.008 | 16.995 | 17.047 | VV | 41984  | 1033942  | 4.62%  | 0.264% |
| 245    | 17.082 | 17.047 | 17.102 | VV | 42647  | 1087177  | 4.86%  | 0.278% |
| 246    | 17.111 | 17.102 | 17.136 | VV | 28100  | 519897   | 2.32%  | 0.133% |

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| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 17.152 | 17.136 | 17.169 | VV | 28031  | 497922  | 2.23%  | 0.127% |
| 248    | 17.183 | 17.169 | 17.204 | VV | 25149  | 502982  | 2.25%  | 0.129% |
| 249    | 17.264 | 17.204 | 17.281 | VV | 43618  | 1579557 | 7.06%  | 0.404% |
| 250    | 17.302 | 17.281 | 17.325 | VV | 62473  | 1175830 | 5.26%  | 0.300% |
| 251    | 17.343 | 17.325 | 17.354 | VV | 37337  | 586261  | 2.62%  | 0.150% |
| 252    | 17.381 | 17.354 | 17.413 | VV | 54893  | 1680002 | 7.51%  | 0.429% |
| 253    | 17.462 | 17.413 | 17.531 | VV | 85950  | 3780302 | 16.90% | 0.966% |
| 254    | 17.549 | 17.531 | 17.561 | VV | 43593  | 719079  | 3.21%  | 0.184% |
| 255    | 17.589 | 17.561 | 17.646 | VV | 156200 | 3725438 | 16.65% | 0.952% |
| 256    | 17.693 | 17.646 | 17.713 | VV | 432630 | 7662453 | 34.25% | 1.958% |
| 257    | 17.722 | 17.713 | 17.747 | VV | 122336 | 2046330 | 9.15%  | 0.523% |
| 258    | 17.764 | 17.747 | 17.786 | VV | 90230  | 1552455 | 6.94%  | 0.397% |
| 259    | 17.814 | 17.786 | 17.830 | VV | 145795 | 2548122 | 11.39% | 0.651% |
| 260    | 17.845 | 17.830 | 17.906 | VV | 119373 | 3539256 | 15.82% | 0.904% |
| 261    | 17.946 | 17.906 | 17.979 | VV | 405024 | 7024423 | 31.40% | 1.795% |
| 262    | 18.017 | 17.979 | 18.035 | VV | 81228  | 2013313 | 9.00%  | 0.514% |
| 263    | 18.065 | 18.035 | 18.107 | VV | 177202 | 3367604 | 15.05% | 0.860% |
| 264    | 18.160 | 18.107 | 18.206 | VV | 50448  | 2024339 | 9.05%  | 0.517% |
| 265    | 18.238 | 18.206 | 18.291 | VV | 47304  | 1898164 | 8.48%  | 0.485% |
| 266    | 18.359 | 18.291 | 18.382 | VV | 60291  | 2288235 | 10.23% | 0.585% |
| 267    | 18.402 | 18.382 | 18.419 | VV | 42351  | 823681  | 3.68%  | 0.210% |
| 268    | 18.439 | 18.419 | 18.464 | VV | 59528  | 1133719 | 5.07%  | 0.290% |
| 269    | 18.493 | 18.464 | 18.518 | VV | 47655  | 1244371 | 5.56%  | 0.318% |
| 270    | 18.530 | 18.518 | 18.549 | VV | 43808  | 722508  | 3.23%  | 0.185% |
| 271    | 18.566 | 18.549 | 18.579 | VV | 37426  | 602115  | 2.69%  | 0.154% |
| 272    | 18.603 | 18.579 | 18.691 | VV | 65496  | 2570901 | 11.49% | 0.657% |
| 273    | 18.774 | 18.691 | 18.799 | VV | 33331  | 1883917 | 8.42%  | 0.481% |
| 274    | 18.808 | 18.799 | 18.827 | VV | 29531  | 455783  | 2.04%  | 0.116% |
| 275    | 18.852 | 18.827 | 18.871 | VV | 31869  | 763545  | 3.41%  | 0.195% |
| 276    | 18.887 | 18.871 | 18.916 | VV | 34922  | 860996  | 3.85%  | 0.220% |
| 277    | 18.935 | 18.916 | 18.986 | VV | 42793  | 1464854 | 6.55%  | 0.374% |
| 278    | 19.028 | 18.986 | 19.048 | VV | 54156  | 1622105 | 7.25%  | 0.414% |
| 279    | 19.088 | 19.048 | 19.113 | VV | 183749 | 3926298 | 17.55% | 1.003% |
| 280    | 19.152 | 19.113 | 19.181 | VV | 200614 | 4560555 | 20.39% | 1.165% |
| 281    | 19.208 | 19.181 | 19.224 | VV | 84374  | 1911595 | 8.54%  | 0.488% |
| 282    | 19.235 | 19.224 | 19.258 | VV | 81395  | 1411580 | 6.31%  | 0.361% |
| 283    | 19.268 | 19.258 | 19.305 | VV | 54272  | 1212407 | 5.42%  | 0.310% |
| 284    | 19.359 | 19.305 | 19.398 | VV | 65939  | 2321071 | 10.37% | 0.593% |
| 285    | 19.461 | 19.398 | 19.490 | VV | 225044 | 5770845 | 25.80% | 1.474% |
| 286    | 19.526 | 19.490 | 19.573 | VV | 114740 | 3436130 | 15.36% | 0.878% |
| 287    | 19.596 | 19.573 | 19.625 | VV | 81898  | 1691733 | 7.56%  | 0.432% |
| 288    | 19.665 | 19.625 | 19.698 | VV | 38233  | 1553448 | 6.94%  | 0.397% |
| 289    | 19.729 | 19.698 | 19.758 | VV | 47141  | 1397616 | 6.25%  | 0.357% |
| 290    | 19.773 | 19.758 | 19.780 | VV | 33369  | 429369  | 1.92%  | 0.110% |
| 291    | 19.801 | 19.780 | 19.848 | VV | 37806  | 1292032 | 5.78%  | 0.330% |
| 292    | 19.880 | 19.848 | 19.901 | VV | 32092  | 941257  | 4.21%  | 0.240% |
| 293    | 19.933 | 19.901 | 19.971 | VV | 34815  | 1308937 | 5.85%  | 0.334% |
| 294    | 19.991 | 19.971 | 20.047 | VV | 34559  | 1387250 | 6.20%  | 0.354% |
| 295    | 20.089 | 20.047 | 20.135 | VV | 36225  | 1681483 | 7.52%  | 0.430% |
| 296    | 20.144 | 20.135 | 20.163 | VV | 32429  | 508506  | 2.27%  | 0.130% |
| 297    | 20.184 | 20.163 | 20.208 | VV | 29105  | 742569  | 3.32%  | 0.190% |
| 298    | 20.244 | 20.208 | 20.271 | VV | 31504  | 1132724 | 5.06%  | 0.289% |
| 299    | 20.292 | 20.271 | 20.316 | VV | 32030  | 796914  | 3.56%  | 0.204% |

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Manual Integrations  
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|                         |        |        |        |     |           |         |        |        |
|-------------------------|--------|--------|--------|-----|-----------|---------|--------|--------|
|                         |        |        |        |     | rteres    |         |        |        |
| 300                     | 20.341 | 20.316 | 20.364 | VV  | 29125     | 803731  | 3.59%  | 0.205% |
| 301                     | 20.412 | 20.364 | 20.470 | VV  | 54796     | 2665400 | 11.91% | 0.681% |
| 302                     | 20.494 | 20.470 | 20.524 | VV  | 44877     | 1105668 | 4.94%  | 0.282% |
| 303                     | 20.584 | 20.524 | 20.613 | VV  | 52636     | 1965408 | 8.79%  | 0.502% |
| 304                     | 20.659 | 20.613 | 20.686 | VV  | 62621     | 1941772 | 8.68%  | 0.496% |
| 305                     | 20.749 | 20.686 | 20.787 | VV  | 107648    | 4342084 | 19.41% | 1.109% |
| 306                     | 20.801 | 20.787 | 20.832 | VV  | 57077     | 1200958 | 5.37%  | 0.307% |
| 307                     | 20.841 | 20.832 | 20.859 | VV  | 32143     | 492359  | 2.20%  | 0.126% |
| 308                     | 20.884 | 20.859 | 20.899 | VV  | 41697     | 877564  | 3.92%  | 0.224% |
| 309                     | 20.921 | 20.899 | 20.957 | VV  | 50498     | 1235204 | 5.52%  | 0.316% |
| 310                     | 21.000 | 20.957 | 21.033 | VV  | 84440     | 2083745 | 9.31%  | 0.532% |
| 311                     | 21.067 | 21.033 | 21.091 | VV  | 83922     | 1779988 | 7.96%  | 0.455% |
| 312                     | 21.111 | 21.091 | 21.132 | VV  | 50194     | 979405  | 4.38%  | 0.250% |
| 313                     | 21.156 | 21.132 | 21.171 | VV  | 55257     | 1059806 | 4.74%  | 0.271% |
| 314                     | 21.186 | 21.171 | 21.257 | VV  | 54857     | 1402064 | 6.27%  | 0.358% |
| 315                     | 21.292 | 21.257 | 21.329 | VV  | 18644     | 712981  | 3.19%  | 0.182% |
| 316                     | 21.358 | 21.329 | 21.401 | VBA | 27230     | 915379  | 4.09%  | 0.234% |
| Sum of corrected areas: |        |        |        |     | 391419872 |         |        |        |

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