

Instrument :  
FID\_C  
ClientSampleId :  
WQ-SOILPILEMSD

rteres

# Area Percent Report

Manual Integrations  
APPROVED

mohammad  
9/17/2021 3:10:38 PM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC091421AL\  
Data File : FC055646.D  
Signal(s) : FID1A.CH  
Acq On : 15 Sep 2021 2:52  
Sample : M3720-02MSD  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 083021.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         | 3.401       | 3.365        | 3.478      | BV       | 452197         | 3686323      | 41.17%         | 1.843%        |
| 2         | 3.523       | 3.478        | 3.546      | PV       | 308            | 7742         | 0.09%          | 0.004%        |
| 3         | 3.578       | 3.546        | 3.588      | VV       | 402            | 4623         | 0.05%          | 0.002%        |
| 4         | 3.605       | 3.588        | 3.628      | VV       | 456            | 6807         | 0.08%          | 0.003%        |
| 5         | 3.646       | 3.628        | 3.655      | VV       | 228            | 2722         | 0.03%          | 0.001%        |
| 6         | 3.692       | 3.655        | 3.757      | VV       | 1757           | 31386        | 0.35%          | 0.016%        |
| 7         | 3.768       | 3.757        | 3.776      | VV       | 381            | 3250         | 0.04%          | 0.002%        |
| 8         | 3.787       | 3.776        | 3.845      | VV       | 436            | 6670         | 0.07%          | 0.003%        |
| 9         | 3.884       | 3.845        | 3.922      | PV       | 499            | 14626        | 0.16%          | 0.007%        |
| 10        | 3.927       | 3.922        | 3.948      | VV       | 319            | 4741         | 0.05%          | 0.002%        |
| 11        | 3.976       | 3.948        | 3.997      | VV       | 401            | 8551         | 0.10%          | 0.004%        |
| 12        | 4.074       | 3.997        | 4.147      | VV       | 3613           | 58897        | 0.66%          | 0.029%        |
| 13        | 4.164       | 4.147        | 4.183      | VV       | 429            | 6771         | 0.08%          | 0.003%        |
| 14        | 4.235       | 4.183        | 4.277      | VV       | 6630           | 70984        | 0.79%          | 0.035%        |
| 15        | 4.293       | 4.277        | 4.372      | VV       | 539            | 20779        | 0.23%          | 0.010%        |
| 16        | 4.393       | 4.372        | 4.418      | VV       | 468            | 10721        | 0.12%          | 0.005%        |
| 17        | 4.433       | 4.418        | 4.441      | VV       | 447            | 5699         | 0.06%          | 0.003%        |
| 18        | 4.472       | 4.441        | 4.493      | VV       | 495606         | 4278000      | 47.78%         | 2.139%        |
| 19        | 4.515       | 4.493        | 4.544      | VV       | 480699         | 4145776      | 46.30%         | 2.073%        |
| 20        | 4.561       | 4.544        | 4.600      | VV       | 1801           | 26201        | 0.29%          | 0.013%        |
| 21        | 4.618       | 4.600        | 4.665      | VV       | 938            | 16988        | 0.19%          | 0.008%        |
| 22        | 4.683       | 4.665        | 4.691      | VV       | 515            | 6338         | 0.07%          | 0.003%        |
| 23        | 4.706       | 4.691        | 4.718      | VV       | 526            | 7855         | 0.09%          | 0.004%        |
| 24        | 4.727       | 4.718        | 4.738      | VV       | 492            | 4947         | 0.06%          | 0.002%        |
| 25        | 4.756       | 4.738        | 4.777      | VV       | 940            | 12458        | 0.14%          | 0.006%        |
| 26        | 4.805       | 4.777        | 4.836      | VV       | 545            | 13958        | 0.16%          | 0.007%        |
| 27        | 4.856       | 4.836        | 4.907      | VV       | 1124           | 21446        | 0.24%          | 0.011%        |
| 28        | 4.919       | 4.907        | 4.945      | VV       | 478            | 8095         | 0.09%          | 0.004%        |
| 29        | 4.965       | 4.945        | 4.987      | VV       | 346            | 7162         | 0.08%          | 0.004%        |
| 30        | 5.009       | 4.987        | 5.020      | VV       | 373            | 6017         | 0.07%          | 0.003%        |
| 31        | 5.058       | 5.020        | 5.088      | VV       | 1063           | 20080        | 0.22%          | 0.010%        |
| 32        | 5.106       | 5.088        | 5.134      | VV       | 694            | 11531        | 0.13%          | 0.006%        |
| 33        | 5.160       | 5.134        | 5.176      | VV       | 710            | 9973         | 0.11%          | 0.005%        |
| 34        | 5.192       | 5.176        | 5.233      | VV       | 448            | 9028         | 0.10%          | 0.005%        |
| 35        | 5.285       | 5.233        | 5.304      | VV       | 413            | 11197        | 0.13%          | 0.006%        |
| 36        | 5.324       | 5.304        | 5.368      | VV       | 670            | 13090        | 0.15%          | 0.007%        |

|    |       |       |       |    | retention |         |        |        |
|----|-------|-------|-------|----|-----------|---------|--------|--------|
| 37 | 5.385 | 5.368 | 5.485 | VV | 490       | 16232   | 0.18%  | 0.008% |
| 38 | 5.506 | 5.485 | 5.538 | VV | 2395      | 24600   | 0.27%  | 0.012% |
| 39 | 5.554 | 5.538 | 5.592 | VV | 665       | 8831    | 0.10%  | 0.004% |
| 40 | 5.618 | 5.592 | 5.650 | VV | 309       | 6869    | 0.08%  | 0.003% |
| 41 | 5.668 | 5.650 | 5.708 | VV | 277       | 4573    | 0.05%  | 0.002% |
| 42 | 5.748 | 5.708 | 5.774 | VV | 207       | 5786    | 0.06%  | 0.003% |
| 43 | 5.787 | 5.774 | 5.824 | VV | 331       | 5861    | 0.07%  | 0.003% |
| 44 | 5.880 | 5.824 | 5.895 | VV | 344       | 7397    | 0.08%  | 0.004% |
| 45 | 5.912 | 5.895 | 5.953 | VV | 308       | 6241    | 0.07%  | 0.003% |
| 46 | 5.974 | 5.953 | 5.988 | VV | 250       | 3405    | 0.04%  | 0.002% |
| 47 | 5.996 | 5.988 | 6.018 | VV | 256       | 3475    | 0.04%  | 0.002% |
| 48 | 6.064 | 6.018 | 6.093 | VV | 513859    | 4736005 | 52.89% | 2.368% |
| 49 | 6.114 | 6.093 | 6.178 | VV | 16366     | 176486  | 1.97%  | 0.088% |
| 50 | 6.206 | 6.178 | 6.235 | VV | 837       | 16408   | 0.18%  | 0.008% |
| 51 | 6.242 | 6.235 | 6.268 | VV | 347       | 5505    | 0.06%  | 0.003% |
| 52 | 6.276 | 6.268 | 6.281 | VV | 237       | 1778    | 0.02%  | 0.001% |
| 53 | 6.333 | 6.281 | 6.367 | VV | 584       | 16919   | 0.19%  | 0.008% |
| 54 | 6.379 | 6.367 | 6.408 | VV | 294       | 5378    | 0.06%  | 0.003% |
| 55 | 6.431 | 6.408 | 6.458 | VV | 318       | 6252    | 0.07%  | 0.003% |
| 56 | 6.493 | 6.458 | 6.558 | VV | 475770    | 4668521 | 52.14% | 2.335% |
| 57 | 6.609 | 6.558 | 6.621 | VV | 418       | 10003   | 0.11%  | 0.005% |
| 58 | 6.636 | 6.621 | 6.677 | VV | 555       | 11141   | 0.12%  | 0.006% |
| 59 | 6.689 | 6.677 | 6.723 | VV | 210       | 3476    | 0.04%  | 0.002% |
| 60 | 6.761 | 6.723 | 6.788 | VV | 270       | 5851    | 0.07%  | 0.003% |
| 61 | 6.806 | 6.788 | 6.845 | VV | 334       | 6930    | 0.08%  | 0.003% |
| 62 | 6.852 | 6.845 | 6.875 | VV | 146       | 2230    | 0.02%  | 0.001% |
| 63 | 6.905 | 6.875 | 6.920 | VV | 486       | 6950    | 0.08%  | 0.003% |
| 64 | 6.932 | 6.920 | 6.944 | VV | 388       | 4035    | 0.05%  | 0.002% |
| 65 | 6.965 | 6.944 | 6.992 | VV | 1417      | 18007   | 0.20%  | 0.009% |
| 66 | 7.026 | 6.992 | 7.068 | VV | 3128      | 37964   | 0.42%  | 0.019% |
| 67 | 7.123 | 7.068 | 7.223 | VV | 490406    | 4691952 | 52.40% | 2.346% |
| 68 | 7.257 | 7.223 | 7.291 | VV | 1443      | 25536   | 0.29%  | 0.013% |
| 69 | 7.311 | 7.291 | 7.327 | VV | 1012      | 15493   | 0.17%  | 0.008% |
| 70 | 7.336 | 7.327 | 7.355 | VV | 705       | 7630    | 0.09%  | 0.004% |
| 71 | 7.387 | 7.355 | 7.398 | VV | 573       | 11050   | 0.12%  | 0.006% |
| 72 | 7.415 | 7.398 | 7.468 | VV | 1438      | 22108   | 0.25%  | 0.011% |
| 73 | 7.488 | 7.468 | 7.498 | VV | 456       | 6242    | 0.07%  | 0.003% |
| 74 | 7.508 | 7.498 | 7.568 | VV | 428       | 12048   | 0.13%  | 0.006% |
| 75 | 7.594 | 7.568 | 7.610 | VV | 377       | 6520    | 0.07%  | 0.003% |
| 76 | 7.630 | 7.610 | 7.688 | VV | 437       | 13503   | 0.15%  | 0.007% |
| 77 | 7.734 | 7.688 | 7.772 | VV | 567002    | 5265339 | 58.80% | 2.633% |
| 78 | 7.828 | 7.772 | 7.856 | VV | 1246      | 39349   | 0.44%  | 0.020% |
| 79 | 7.867 | 7.856 | 7.888 | VV | 583       | 8534    | 0.10%  | 0.004% |
| 80 | 7.903 | 7.888 | 7.959 | VV | 409       | 10213   | 0.11%  | 0.005% |
| 81 | 7.983 | 7.959 | 8.009 | VV | 1100      | 14641   | 0.16%  | 0.007% |
| 82 | 8.039 | 8.009 | 8.084 | VV | 605       | 16213   | 0.18%  | 0.008% |
| 83 | 8.113 | 8.084 | 8.139 | VV | 669       | 13822   | 0.15%  | 0.007% |
| 84 | 8.182 | 8.139 | 8.209 | VV | 705       | 22999   | 0.26%  | 0.012% |
| 85 | 8.222 | 8.209 | 8.236 | VV | 829       | 11009   | 0.12%  | 0.006% |
| 86 | 8.292 | 8.236 | 8.328 | VV | 484218    | 4839365 | 54.04% | 2.420% |
| 87 | 8.349 | 8.328 | 8.367 | VV | 440       | 8460    | 0.09%  | 0.004% |
| 88 | 8.407 | 8.367 | 8.461 | VV | 497333    | 4876306 | 54.46% | 2.438% |
| 89 | 8.474 | 8.461 | 8.498 | VV | 453       | 6763    | 0.08%  | 0.003% |

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|     |        |        |        |    | rt     | Area    | Area%  | Height |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 90  | 8.515  | 8.498  | 8.535  | VV | 558    | 7950    | 0.09%  | 0.004% |
| 91  | 8.545  | 8.535  | 8.552  | PV | 169    | 1022    | 0.01%  | 0.001% |
| 92  | 8.606  | 8.552  | 8.672  | VV | 354993 | 3494400 | 39.02% | 1.747% |
| 93  | 8.705  | 8.672  | 8.748  | VV | 530316 | 5073653 | 56.66% | 2.537% |
| 94  | 8.757  | 8.748  | 8.788  | VV | 645    | 12854   | 0.14%  | 0.006% |
| 95  | 8.828  | 8.788  | 8.861  | VV | 908    | 23671   | 0.26%  | 0.012% |
| 96  | 8.888  | 8.861  | 8.932  | VV | 605    | 18901   | 0.21%  | 0.009% |
| 97  | 8.946  | 8.932  | 8.953  | VV | 407    | 4088    | 0.05%  | 0.002% |
| 98  | 8.971  | 8.953  | 8.987  | VV | 1219   | 14065   | 0.16%  | 0.007% |
| 99  | 9.011  | 8.987  | 9.042  | VV | 900    | 18824   | 0.21%  | 0.009% |
| 100 | 9.110  | 9.042  | 9.142  | VV | 1421   | 34330   | 0.38%  | 0.017% |
| 101 | 9.149  | 9.142  | 9.205  | VV | 450    | 12662   | 0.14%  | 0.006% |
| 102 | 9.221  | 9.205  | 9.238  | VV | 395    | 5687    | 0.06%  | 0.003% |
| 103 | 9.291  | 9.238  | 9.332  | VV | 945    | 23624   | 0.26%  | 0.012% |
| 104 | 9.349  | 9.332  | 9.368  | VV | 250    | 3780    | 0.04%  | 0.002% |
| 105 | 9.410  | 9.368  | 9.422  | VV | 307    | 5851    | 0.07%  | 0.003% |
| 106 | 9.443  | 9.422  | 9.454  | VV | 360    | 4990    | 0.06%  | 0.002% |
| 107 | 9.489  | 9.454  | 9.518  | VV | 479002 | 4851841 | 54.18% | 2.426% |
| 108 | 9.528  | 9.518  | 9.559  | VV | 728    | 12130   | 0.14%  | 0.006% |
| 109 | 9.569  | 9.559  | 9.585  | VV | 414    | 5011    | 0.06%  | 0.003% |
| 110 | 9.591  | 9.585  | 9.599  | VV | 292    | 2137    | 0.02%  | 0.001% |
| 111 | 9.633  | 9.599  | 9.648  | VV | 815    | 14769   | 0.16%  | 0.007% |
| 112 | 9.668  | 9.648  | 9.681  | VV | 2253   | 26019   | 0.29%  | 0.013% |
| 113 | 9.699  | 9.681  | 9.719  | VV | 6446   | 67794   | 0.76%  | 0.034% |
| 114 | 9.737  | 9.719  | 9.775  | VV | 2641   | 43969   | 0.49%  | 0.022% |
| 115 | 9.805  | 9.775  | 9.842  | VV | 825    | 21455   | 0.24%  | 0.011% |
| 116 | 9.847  | 9.842  | 9.855  | VV | 408    | 2954    | 0.03%  | 0.001% |
| 117 | 9.892  | 9.855  | 9.976  | VV | 466163 | 5010288 | 55.95% | 2.505% |
| 118 | 9.990  | 9.976  | 10.002 | VV | 308    | 3773    | 0.04%  | 0.002% |
| 119 | 10.009 | 10.002 | 10.030 | VV | 228    | 3535    | 0.04%  | 0.002% |
| 120 | 10.040 | 10.030 | 10.054 | VV | 276    | 2883    | 0.03%  | 0.001% |
| 121 | 10.063 | 10.054 | 10.118 | VV | 282    | 6884    | 0.08%  | 0.003% |
| 122 | 10.135 | 10.118 | 10.150 | VV | 129    | 1813    | 0.02%  | 0.001% |
| 123 | 10.170 | 10.150 | 10.203 | VV | 485    | 6900    | 0.08%  | 0.003% |
| 124 | 10.231 | 10.203 | 10.242 | PV | 265    | 2185    | 0.02%  | 0.001% |
| 125 | 10.280 | 10.242 | 10.300 | VV | 470    | 9226    | 0.10%  | 0.005% |
| 126 | 10.340 | 10.300 | 10.362 | VV | 1421   | 21148   | 0.24%  | 0.011% |
| 127 | 10.368 | 10.362 | 10.390 | VV | 550    | 5402    | 0.06%  | 0.003% |
| 128 | 10.409 | 10.390 | 10.450 | VV | 407    | 7751    | 0.09%  | 0.004% |
| 129 | 10.488 | 10.450 | 10.498 | VV | 407    | 7279    | 0.08%  | 0.004% |
| 130 | 10.533 | 10.498 | 10.543 | VV | 878    | 15067   | 0.17%  | 0.008% |
| 131 | 10.557 | 10.543 | 10.571 | VV | 814    | 10875   | 0.12%  | 0.005% |
| 132 | 10.598 | 10.571 | 10.616 | VV | 4894   | 59035   | 0.66%  | 0.030% |
| 133 | 10.627 | 10.616 | 10.668 | VV | 1680   | 26330   | 0.29%  | 0.013% |
| 134 | 10.692 | 10.668 | 10.712 | VV | 3403   | 41012   | 0.46%  | 0.021% |
| 135 | 10.721 | 10.712 | 10.749 | VV | 634    | 10140   | 0.11%  | 0.005% |
| 136 | 10.764 | 10.749 | 10.778 | VV | 279    | 4259    | 0.05%  | 0.002% |
| 137 | 10.784 | 10.778 | 10.804 | VV | 347    | 2992    | 0.03%  | 0.001% |
| 138 | 10.820 | 10.804 | 10.827 | VV | 236    | 1956    | 0.02%  | 0.001% |
| 139 | 10.894 | 10.827 | 10.932 | VV | 468086 | 4865083 | 54.33% | 2.433% |
| 140 | 10.970 | 10.932 | 11.006 | VV | 467440 | 4798390 | 53.59% | 2.399% |
| 141 | 11.042 | 11.006 | 11.056 | VV | 1874   | 24784   | 0.28%  | 0.012% |

| rteres |        |        |        |    |        |         |        |        |  |
|--------|--------|--------|--------|----|--------|---------|--------|--------|--|
| 142    | 11.073 | 11.056 | 11.118 | VV | 3392   | 42454   | 0.47%  | 0.021% |  |
| 143    | 11.136 | 11.118 | 11.148 | VV | 554    | 7215    | 0.08%  | 0.004% |  |
| 144    | 11.177 | 11.148 | 11.215 | VV | 8690   | 106727  | 1.19%  | 0.053% |  |
| 145    | 11.287 | 11.215 | 11.298 | VV | 682    | 23927   | 0.27%  | 0.012% |  |
| 146    | 11.336 | 11.298 | 11.368 | VV | 464665 | 5167540 | 57.71% | 2.584% |  |
| 147    | 11.416 | 11.368 | 11.454 | VV | 1095   | 29035   | 0.32%  | 0.015% |  |
| 148    | 11.486 | 11.454 | 11.511 | VV | 575    | 10183   | 0.11%  | 0.005% |  |
| 149    | 11.553 | 11.511 | 11.615 | PV | 5015   | 75129   | 0.84%  | 0.038% |  |
| 150    | 11.658 | 11.615 | 11.707 | VV | 463534 | 5140221 | 57.40% | 2.570% |  |
| 151    | 11.723 | 11.707 | 11.734 | VV | 2483   | 26873   | 0.30%  | 0.013% |  |
| 152    | 11.751 | 11.734 | 11.772 | VV | 4784   | 57287   | 0.64%  | 0.029% |  |
| 153    | 11.826 | 11.772 | 11.856 | VV | 6006   | 127235  | 1.42%  | 0.064% |  |
| 154    | 11.871 | 11.856 | 11.898 | VV | 2158   | 26526   | 0.30%  | 0.013% |  |
| 155    | 11.919 | 11.898 | 11.960 | VV | 1789   | 29872   | 0.33%  | 0.015% |  |
| 156    | 12.013 | 11.960 | 12.035 | VV | 13849  | 165229  | 1.85%  | 0.083% |  |
| 157    | 12.068 | 12.035 | 12.087 | VV | 11210  | 143461  | 1.60%  | 0.072% |  |
| 158    | 12.105 | 12.087 | 12.144 | VV | 9359   | 124378  | 1.39%  | 0.062% |  |
| 159    | 12.160 | 12.144 | 12.178 | VV | 1557   | 18578   | 0.21%  | 0.009% |  |
| 160    | 12.192 | 12.178 | 12.204 | VV | 460    | 5096    | 0.06%  | 0.003% |  |
| 161    | 12.250 | 12.204 | 12.273 | VV | 15700  | 193261  | 2.16%  | 0.097% |  |
| 162    | 12.294 | 12.273 | 12.358 | VV | 8828   | 139397  | 1.56%  | 0.070% |  |
| 163    | 12.405 | 12.358 | 12.441 | VV | 24577  | 289302  | 3.23%  | 0.145% |  |
| 164    | 12.488 | 12.441 | 12.519 | VV | 6316   | 91527   | 1.02%  | 0.046% |  |
| 165    | 12.542 | 12.519 | 12.575 | PV | 1464   | 27625   | 0.31%  | 0.014% |  |
| 166    | 12.592 | 12.575 | 12.608 | VV | 2368   | 31514   | 0.35%  | 0.016% |  |
| 167    | 12.645 | 12.608 | 12.680 | VV | 422869 | 4905226 | 54.78% | 2.453% |  |
| 168    | 12.717 | 12.680 | 12.744 | VV | 457111 | 5035360 | 56.23% | 2.518% |  |
| 169    | 12.762 | 12.744 | 12.777 | VV | 5761   | 67033   | 0.75%  | 0.034% |  |
| 170    | 12.800 | 12.777 | 12.852 | VV | 26966  | 400543  | 4.47%  | 0.200% |  |
| 171    | 12.894 | 12.852 | 12.936 | VV | 7702   | 114857  | 1.28%  | 0.057% |  |
| 172    | 13.017 | 12.936 | 13.040 | VV | 427648 | 5019855 | 56.06% | 2.510% |  |
| 173    | 13.090 | 13.040 | 13.115 | VV | 338870 | 4027986 | 44.98% | 2.014% |  |
| 174    | 13.126 | 13.115 | 13.152 | VV | 9825   | 109494  | 1.22%  | 0.055% |  |
| 175    | 13.185 | 13.152 | 13.221 | VV | 7551   | 117140  | 1.31%  | 0.059% |  |
| 176    | 13.257 | 13.221 | 13.322 | VV | 417929 | 4796984 | 53.57% | 2.399% |  |
| 177    | 13.361 | 13.322 | 13.385 | VV | 4760   | 66971   | 0.75%  | 0.033% |  |
| 178    | 13.412 | 13.385 | 13.434 | VV | 5805   | 76911   | 0.86%  | 0.038% |  |
| 179    | 13.461 | 13.434 | 13.494 | VV | 5630   | 85656   | 0.96%  | 0.043% |  |
| 180    | 13.533 | 13.494 | 13.558 | VV | 11265  | 149961  | 1.67%  | 0.075% |  |
| 181    | 13.595 | 13.558 | 13.622 | VV | 5314   | 79979   | 0.89%  | 0.040% |  |
| 182    | 13.643 | 13.622 | 13.665 | VV | 3205   | 44055   | 0.49%  | 0.022% |  |
| 183    | 13.701 | 13.665 | 13.725 | VV | 4817   | 80550   | 0.90%  | 0.040% |  |
| 184    | 13.743 | 13.725 | 13.760 | VV | 2446   | 31525   | 0.35%  | 0.016% |  |
| 185    | 13.786 | 13.760 | 13.807 | VV | 2798   | 50461   | 0.56%  | 0.025% |  |
| 186    | 13.842 | 13.807 | 13.896 | VV | 385604 | 4802084 | 53.63% | 2.401% |  |
| 187    | 13.915 | 13.896 | 13.950 | VV | 2045   | 28078   | 0.31%  | 0.014% |  |
| 188    | 13.983 | 13.950 | 14.012 | VV | 1577   | 32930   | 0.37%  | 0.016% |  |
| 189    | 14.049 | 14.012 | 14.068 | VV | 1283   | 23779   | 0.27%  | 0.012% |  |
| 190    | 14.095 | 14.068 | 14.110 | VV | 623    | 12617   | 0.14%  | 0.006% |  |
| 191    | 14.135 | 14.110 | 14.155 | VV | 7012   | 80993   | 0.90%  | 0.041% |  |
| 192    | 14.169 | 14.155 | 14.212 | VV | 2376   | 31491   | 0.35%  | 0.016% |  |
| 193    | 14.284 | 14.212 | 14.311 | PV | 9637   | 137117  | 1.53%  | 0.069% |  |
| 194    | 14.328 | 14.311 | 14.362 | VV | 3556   | 50767   | 0.57%  | 0.025% |  |

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|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 195 | 14.403 | 14.362 | 14.423 | VV | 2718   | 43671   | 0.49%   | 0.022% |
| 196 | 14.453 | 14.423 | 14.477 | VV | 3313   | 53417   | 0.60%   | 0.027% |
| 197 | 14.509 | 14.477 | 14.545 | VV | 4214   | 77277   | 0.86%   | 0.039% |
| 198 | 14.573 | 14.545 | 14.595 | VV | 5247   | 69315   | 0.77%   | 0.035% |
| 199 | 14.630 | 14.595 | 14.668 | VV | 4188   | 73614   | 0.82%   | 0.037% |
| 200 | 14.699 | 14.668 | 14.717 | VV | 1360   | 21472   | 0.24%   | 0.011% |
| 201 | 14.757 | 14.717 | 14.798 | VV | 1630   | 42725   | 0.48%   | 0.021% |
| 202 | 14.837 | 14.798 | 14.853 | VV | 1165   | 21641   | 0.24%   | 0.011% |
| 203 | 14.894 | 14.853 | 14.914 | VV | 369158 | 4609418 | 51.48%  | 2.305% |
| 204 | 14.942 | 14.914 | 15.005 | VV | 751224 | 8954453 | 100.00% | 4.478% |
| 205 | 15.049 | 15.005 | 15.093 | VV | 4857   | 80854   | 0.90%   | 0.040% |
| 206 | 15.122 | 15.093 | 15.156 | VV | 2671   | 43061   | 0.48%   | 0.022% |
| 207 | 15.182 | 15.156 | 15.208 | PV | 2134   | 33330   | 0.37%   | 0.017% |
| 208 | 15.227 | 15.208 | 15.256 | VV | 2257   | 36414   | 0.41%   | 0.018% |
| 209 | 15.276 | 15.256 | 15.297 | VV | 1562   | 22147   | 0.25%   | 0.011% |
| 210 | 15.334 | 15.297 | 15.395 | VV | 9930   | 208827  | 2.33%   | 0.104% |
| 211 | 15.421 | 15.395 | 15.432 | VV | 512    | 7195    | 0.08%   | 0.004% |
| 212 | 15.461 | 15.432 | 15.496 | VV | 3516   | 51809   | 0.58%   | 0.026% |
| 213 | 15.514 | 15.496 | 15.526 | VV | 1214   | 15329   | 0.17%   | 0.008% |
| 214 | 15.556 | 15.526 | 15.578 | VV | 4345   | 63900   | 0.71%   | 0.032% |
| 215 | 15.595 | 15.578 | 15.625 | VV | 2018   | 24812   | 0.28%   | 0.012% |
| 216 | 15.641 | 15.625 | 15.660 | VV | 893    | 11436   | 0.13%   | 0.006% |
| 217 | 15.726 | 15.660 | 15.752 | VV | 3202   | 81890   | 0.91%   | 0.041% |
| 218 | 15.792 | 15.752 | 15.818 | VV | 1564   | 28670   | 0.32%   | 0.014% |
| 219 | 15.841 | 15.818 | 15.858 | VV | 714    | 12537   | 0.14%   | 0.006% |
| 220 | 15.879 | 15.858 | 15.893 | VV | 1235   | 17154   | 0.19%   | 0.009% |
| 221 | 15.911 | 15.893 | 15.928 | VV | 2052   | 26703   | 0.30%   | 0.013% |
| 222 | 15.967 | 15.928 | 16.007 | VV | 346524 | 4368585 | 48.79%  | 2.185% |
| 223 | 16.034 | 16.007 | 16.049 | VV | 214    | 3008    | 0.03%   | 0.002% |
| 224 | 16.101 | 16.049 | 16.125 | PV | 272    | 4476    | 0.05%   | 0.002% |
| 225 | 16.169 | 16.125 | 16.207 | PV | 1475   | 24031   | 0.27%   | 0.012% |
| 226 | 16.226 | 16.207 | 16.244 | PV | 980    | 10691   | 0.12%   | 0.005% |
| 227 | 16.271 | 16.244 | 16.296 | VV | 972    | 19150   | 0.21%   | 0.010% |
| 228 | 16.351 | 16.296 | 16.402 | VV | 3680   | 99817   | 1.11%   | 0.050% |
| 229 | 16.454 | 16.402 | 16.470 | VV | 332810 | 4780532 | 53.39%  | 2.391% |
| 230 | 16.488 | 16.470 | 16.555 | VV | 377439 | 4422230 | 49.39%  | 2.211% |
| 231 | 16.576 | 16.555 | 16.596 | PV | 4588   | 51328   | 0.57%   | 0.026% |
| 232 | 16.613 | 16.596 | 16.626 | VV | 1020   | 11871   | 0.13%   | 0.006% |
| 233 | 16.640 | 16.626 | 16.661 | VV | 528    | 8183    | 0.09%   | 0.004% |
| 234 | 16.698 | 16.661 | 16.711 | VV | 735    | 11227   | 0.13%   | 0.006% |
| 235 | 16.767 | 16.711 | 16.792 | VV | 12063  | 196381  | 2.19%   | 0.098% |
| 236 | 16.836 | 16.792 | 16.865 | VV | 344883 | 4628984 | 51.69%  | 2.315% |
| 237 | 16.914 | 16.865 | 16.944 | VV | 333740 | 4401971 | 49.16%  | 2.201% |
| 238 | 16.961 | 16.944 | 17.004 | VV | 12791  | 182653  | 2.04%   | 0.091% |
| 239 | 17.070 | 17.004 | 17.101 | VV | 1161   | 34719   | 0.39%   | 0.017% |
| 240 | 17.125 | 17.101 | 17.142 | VV | 483    | 6818    | 0.08%   | 0.003% |
| 241 | 17.190 | 17.142 | 17.218 | PV | 2038   | 49479   | 0.55%   | 0.025% |
| 242 | 17.228 | 17.218 | 17.242 | VV | 699    | 8349    | 0.09%   | 0.004% |
| 243 | 17.254 | 17.242 | 17.268 | VV | 597    | 7331    | 0.08%   | 0.004% |
| 244 | 17.296 | 17.268 | 17.305 | VV | 1567   | 24490   | 0.27%   | 0.012% |
| 245 | 17.320 | 17.305 | 17.332 | VV | 1839   | 25354   | 0.28%   | 0.013% |
| 246 | 17.360 | 17.332 | 17.386 | VV | 4106   | 69962   | 0.78%   | 0.035% |

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|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 247 | 17.407 | 17.386 | 17.423 | VV | 782    | 11432   | 0.13%  | 0.006% |
| 248 | 17.444 | 17.423 | 17.458 | VV | 755    | 11315   | 0.13%  | 0.006% |
| 249 | 17.481 | 17.458 | 17.502 | VV | 1402   | 23637   | 0.26%  | 0.012% |
| 250 | 17.515 | 17.502 | 17.542 | VV | 1774   | 23886   | 0.27%  | 0.012% |
| 251 | 17.587 | 17.542 | 17.624 | VV | 1113   | 18695   | 0.21%  | 0.009% |
| 252 | 17.689 | 17.624 | 17.716 | PV | 3454   | 52949   | 0.59%  | 0.026% |
| 253 | 17.746 | 17.716 | 17.758 | VV | 1016   | 16918   | 0.19%  | 0.008% |
| 254 | 17.801 | 17.758 | 17.838 | VV | 318466 | 4229554 | 47.23% | 2.115% |
| 255 | 17.882 | 17.838 | 17.902 | VV | 1246   | 27968   | 0.31%  | 0.014% |
| 256 | 17.918 | 17.902 | 17.933 | VV | 1135   | 14859   | 0.17%  | 0.007% |
| 257 | 17.956 | 17.933 | 18.017 | VV | 2470   | 55435   | 0.62%  | 0.028% |
| 258 | 18.048 | 18.017 | 18.074 | PV | 785    | 14730   | 0.16%  | 0.007% |
| 259 | 18.102 | 18.074 | 18.121 | VV | 2812   | 41620   | 0.46%  | 0.021% |
| 260 | 18.130 | 18.121 | 18.146 | VV | 1636   | 19858   | 0.22%  | 0.010% |
| 261 | 18.207 | 18.146 | 18.222 | VV | 296720 | 4423416 | 49.40% | 2.212% |
| 262 | 18.245 | 18.222 | 18.302 | VV | 346752 | 4266556 | 47.65% | 2.133% |
| 263 | 18.326 | 18.302 | 18.344 | VV | 4227   | 63573   | 0.71%  | 0.032% |
| 264 | 18.361 | 18.344 | 18.405 | VV | 2914   | 50847   | 0.57%  | 0.025% |
| 265 | 18.467 | 18.405 | 18.502 | VV | 331850 | 4445135 | 49.64% | 2.223% |
| 266 | 18.528 | 18.502 | 18.555 | VV | 1270   | 28134   | 0.31%  | 0.014% |
| 267 | 18.579 | 18.555 | 18.593 | VV | 2688   | 35127   | 0.39%  | 0.018% |
| 268 | 18.631 | 18.593 | 18.684 | VV | 317166 | 4142755 | 46.26% | 2.072% |
| 269 | 18.715 | 18.684 | 18.742 | PV | 2318   | 46942   | 0.52%  | 0.023% |
| 270 | 18.764 | 18.742 | 18.778 | VV | 942    | 18022   | 0.20%  | 0.009% |
| 271 | 18.817 | 18.778 | 18.825 | VV | 1182   | 25537   | 0.29%  | 0.013% |
| 272 | 18.841 | 18.825 | 18.859 | VV | 1368   | 22342   | 0.25%  | 0.011% |
| 273 | 18.879 | 18.859 | 18.895 | VV | 1116   | 19924   | 0.22%  | 0.010% |
| 274 | 18.915 | 18.895 | 18.933 | VV | 1728   | 31035   | 0.35%  | 0.016% |
| 275 | 18.959 | 18.933 | 18.979 | VV | 7892   | 121071  | 1.35%  | 0.061% |
| 276 | 19.005 | 18.979 | 19.075 | VV | 10702  | 317758  | 3.55%  | 0.159% |
| 277 | 19.122 | 19.075 | 19.148 | VV | 2648   | 97115   | 1.08%  | 0.049% |
| 278 | 19.231 | 19.148 | 19.252 | VV | 3490   | 143597  | 1.60%  | 0.072% |
| 279 | 19.285 | 19.252 | 19.307 | VV | 2530   | 78288   | 0.87%  | 0.039% |
| 280 | 19.327 | 19.307 | 19.348 | VV | 2752   | 56409   | 0.63%  | 0.028% |
| 281 | 19.412 | 19.348 | 19.450 | VV | 280722 | 4007661 | 44.76% | 2.004% |
| 282 | 19.482 | 19.450 | 19.499 | VV | 4430   | 109041  | 1.22%  | 0.055% |
| 283 | 19.526 | 19.499 | 19.557 | VV | 5522   | 151222  | 1.69%  | 0.076% |
| 284 | 19.598 | 19.557 | 19.623 | VV | 8456   | 221242  | 2.47%  | 0.111% |
| 285 | 19.665 | 19.623 | 19.728 | VV | 8064   | 407859  | 4.55%  | 0.204% |
| 286 | 19.785 | 19.728 | 19.809 | VV | 10345  | 374960  | 4.19%  | 0.187% |
| 287 | 19.848 | 19.809 | 19.859 | VV | 7471   | 217061  | 2.42%  | 0.109% |
| 288 | 19.882 | 19.859 | 19.908 | VV | 8605   | 227750  | 2.54%  | 0.114% |
| 289 | 19.973 | 19.908 | 20.000 | VV | 12455  | 530742  | 5.93%  | 0.265% |
| 290 | 20.039 | 20.000 | 20.082 | VV | 12195  | 495804  | 5.54%  | 0.248% |
| 291 | 20.151 | 20.082 | 20.215 | VV | 245706 | 4326156 | 48.31% | 2.163% |
| 292 | 20.319 | 20.215 | 20.437 | VV | 20007  | 1809361 | 20.21% | 0.905% |
| 293 | 20.510 | 20.437 | 20.570 | VV | 14388  | 1018816 | 11.38% | 0.509% |
| 294 | 20.612 | 20.570 | 20.631 | VV | 12071  | 428164  | 4.78%  | 0.214% |
| 295 | 20.661 | 20.631 | 20.715 | VV | 11992  | 556866  | 6.22%  | 0.278% |
| 296 | 20.814 | 20.715 | 20.845 | VV | 10958  | 815134  | 9.10%  | 0.408% |
| 297 | 20.897 | 20.845 | 20.958 | VV | 197904 | 3842413 | 42.91% | 1.921% |
| 298 | 20.981 | 20.958 | 21.065 | VV | 8182   | 463416  | 5.18%  | 0.232% |
| 299 | 21.103 | 21.065 | 21.125 | VV | 6654   | 227133  | 2.54%  | 0.114% |

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|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|--|
| 300                     | 21.209 | 21.125 | 21.272 | VV | 7246      | 530631  | 5.93%  | 0.265% |  |
| 301                     | 21.332 | 21.272 | 21.427 | VV | 6406      | 487355  | 5.44%  | 0.244% |  |
| 302                     | 21.441 | 21.427 | 21.467 | VV | 4043      | 93281   | 1.04%  | 0.047% |  |
| 303                     | 21.494 | 21.467 | 21.511 | VV | 3781      | 96024   | 1.07%  | 0.048% |  |
| 304                     | 21.536 | 21.511 | 21.648 | VV | 3499      | 206935  | 2.31%  | 0.103% |  |
| 305                     | 21.679 | 21.648 | 21.707 | VV | 2138      | 59449   | 0.66%  | 0.030% |  |
| 306                     | 21.831 | 21.707 | 21.937 | VV | 141611    | 3416777 | 38.16% | 1.709% |  |
| Sum of corrected areas: |        |        |        |    | 199979432 |         |        |        |  |

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