

Instrument :  
FID\_F  
ClientSampleId :  
SI-2-EXCA-SOIL

Manual Integrations  
APPROVED

mohammad  
7/27/2021 4:10:09 PM

# Area Percent Report

nteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF072621\  
Data File : FF008878.D  
Signal(s) : FID2B.ch  
Acq On : 26 Jul 2021 14:10  
Sample : M3148-01  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF072121.M  
Title :

Signal : FID2B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max | % of total |
|--------|----------|-----------|---------|-------|-------------|-----------|------------|------------|
| 1      | 2.396    | 2.371     | 2.421   | BH    | 26340       | 184995    | 0.86%      | 0.016%     |
| 2      | 2.463    | 2.421     | 2.495   | PH    | 534         | -42618    | -0.20%     | -0.004%    |
| 3      | 2.509    | 2.495     | 2.517   | PH    | -1572       | -24039    | -0.11%     | -0.002%    |
| 4      | 2.552    | 2.517     | 2.578   | PH    | 6626        | 22115     | 0.10%      | 0.002%     |
| 5      | 2.587    | 2.578     | 2.602   | PH    | 357         | -9634     | -0.04%     | -0.001%    |
| 6      | 2.628    | 2.602     | 2.659   | PH    | 9569        | 35769     | 0.17%      | 0.003%     |
| 7      | 2.678    | 2.659     | 2.684   | PH    | 11377       | 73239     | 0.34%      | 0.006%     |
| 8      | 2.693    | 2.684     | 2.708   | HH    | 15641       | 116992    | 0.54%      | 0.010%     |
| 9      | 2.712    | 2.708     | 2.717   | PH    | 99          | -91       | -0.00%     | -0.000%    |
| 10     | 2.731    | 2.717     | 2.743   | PH    | 7798        | 51594     | 0.24%      | 0.004%     |
| 11     | 2.758    | 2.743     | 2.788   | PH    | 23454       | 211172    | 0.98%      | 0.018%     |
| 12     | 2.796    | 2.788     | 2.806   | HH    | 2138        | 16639     | 0.08%      | 0.001%     |
| 13     | 2.810    | 2.806     | 2.825   | HH    | 1136        | 1327      | 0.01%      | 0.000%     |
| 14     | 2.839    | 2.825     | 2.844   | PH    | -930        | -11533    | -0.05%     | -0.001%    |
| 15     | 2.864    | 2.844     | 2.877   | PH    | 17810       | 148248    | 0.69%      | 0.012%     |
| 16     | 2.884    | 2.877     | 2.913   | HH    | 7555        | 52595     | 0.24%      | 0.004%     |
| 17     | 2.925    | 2.913     | 2.936   | PH    | 136         | -7399     | -0.03%     | -0.001%    |
| 18     | 2.952    | 2.936     | 2.982   | PH    | 50880       | 646487    | 3.00%      | 0.054%     |
| 19     | 2.993    | 2.982     | 3.006   | HH    | 3472        | 33493     | 0.16%      | 0.003%     |
| 20     | 3.019    | 3.006     | 3.035   | HH    | 6227        | 46621     | 0.22%      | 0.004%     |
| 21     | 3.056    | 3.035     | 3.082   | PH    | 30498       | 408658    | 1.89%      | 0.034%     |
| 22     | 3.085    | 3.082     | 3.099   | HH    | 407         | -2475     | -0.01%     | -0.000%    |
| 23     | 3.132    | 3.099     | 3.149   | PH    | 39783       | 409434    | 1.90%      | 0.034%     |
| 24     | 3.162    | 3.149     | 3.168   | HH    | 6750        | 52268     | 0.24%      | 0.004%     |
| 25     | 3.182    | 3.168     | 3.198   | HH    | 31502       | 269077    | 1.25%      | 0.023%     |
| 26     | 3.215    | 3.198     | 3.230   | HH    | 13858       | 134707    | 0.62%      | 0.011%     |
| 27     | 3.253    | 3.230     | 3.267   | PH    | 14021       | 166191    | 0.77%      | 0.014%     |
| 28     | 3.283    | 3.267     | 3.298   | HH    | 16569       | 158871    | 0.74%      | 0.013%     |
| 29     | 3.305    | 3.298     | 3.316   | HH    | 3306        | 25697     | 0.12%      | 0.002%     |
| 30     | 3.322    | 3.316     | 3.346   | HH    | 1876        | 5261      | 0.02%      | 0.000%     |
| 31     | 3.361    | 3.346     | 3.372   | PH    | 723         | -7189     | -0.03%     | -0.001%    |
| 32     | 3.382    | 3.372     | 3.391   | PH    | 193         | -2619     | -0.01%     | -0.000%    |
| 33     | 3.429    | 3.391     | 3.444   | PH    | 49638       | 486236    | 2.25%      | 0.041%     |
| 34     | 3.452    | 3.444     | 3.469   | HH    | 8666        | 68175     | 0.32%      | 0.006%     |
| 35     | 3.482    | 3.469     | 3.514   | PH    | 1274        | -15116    | -0.07%     | -0.001%    |
| 36     | 3.533    | 3.514     | 3.543   | PH    | 891         | -8181     | -0.04%     | -0.001%    |
| 37     | 3.559    | 3.543     | 3.594   | PH    | 5801        | 84740     | 0.39%      | 0.007%     |
| 38     | 3.609    | 3.594     | 3.620   | HH    | 10398       | 89686     | 0.42%      | 0.008%     |
| 39     | 3.633    | 3.620     | 3.665   | HH    | 10713       | 102743    | 0.48%      | 0.009%     |
| 40     | 3.723    | 3.665     | 3.740   | PH    | 25273       | 462925    | 2.15%      | 0.039%     |
| 41     | 3.757    | 3.740     | 3.779   | HH    | 15879       | 203723    | 0.94%      | 0.017%     |

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|----|-------|-------|-------|----|--------|---------|-------|--------|
| 42 | 3.805 | 3.779 | 3.831 | HH | 33301  | 356334  | 1.65% | 0.030% |
| 43 | 3.845 | 3.831 | 3.853 | HH | 9369   | 97472   | 0.45% | 0.008% |
| 44 | 3.879 | 3.853 | 3.895 | HH | 15018  | 238365  | 1.10% | 0.020% |
| 45 | 3.903 | 3.895 | 3.915 | HH | 4108   | 33019   | 0.15% | 0.003% |
| 46 | 3.930 | 3.915 | 3.942 | HH | 30307  | 259938  | 1.20% | 0.022% |
| 47 | 3.950 | 3.942 | 3.968 | HH | 16761  | 136193  | 0.63% | 0.011% |
| 48 | 3.980 | 3.968 | 3.994 | PH | 3994   | 27417   | 0.13% | 0.002% |
| 49 | 4.015 | 3.994 | 4.066 | PH | 47835  | 597101  | 2.77% | 0.050% |
| 50 | 4.106 | 4.066 | 4.122 | HH | 108997 | 1191216 | 5.52% | 0.100% |
| 51 | 4.130 | 4.122 | 4.149 | HH | 31085  | 287328  | 1.33% | 0.024% |
| 52 | 4.164 | 4.149 | 4.179 | HH | 9855   | 125606  | 0.58% | 0.011% |
| 53 | 4.199 | 4.179 | 4.220 | HH | 32280  | 339271  | 1.57% | 0.029% |
| 54 | 4.238 | 4.220 | 4.254 | HH | 17826  | 181388  | 0.84% | 0.015% |
| 55 | 4.272 | 4.254 | 4.298 | HH | 48915  | 548656  | 2.54% | 0.046% |
| 56 | 4.314 | 4.298 | 4.319 | HH | 12793  | 120138  | 0.56% | 0.010% |
| 57 | 4.328 | 4.319 | 4.360 | HH | 15554  | 211250  | 0.98% | 0.018% |
| 58 | 4.370 | 4.360 | 4.390 | HH | 3379   | 20643   | 0.10% | 0.002% |
| 59 | 4.420 | 4.390 | 4.440 | PH | 16931  | 204636  | 0.95% | 0.017% |
| 60 | 4.460 | 4.440 | 4.481 | HH | 14049  | 190675  | 0.88% | 0.016% |
| 61 | 4.504 | 4.481 | 4.528 | HH | 55561  | 552015  | 2.56% | 0.046% |
| 62 | 4.551 | 4.528 | 4.568 | HH | 48074  | 445567  | 2.07% | 0.037% |
| 63 | 4.579 | 4.568 | 4.597 | HH | 10182  | 93243   | 0.43% | 0.008% |
| 64 | 4.614 | 4.597 | 4.637 | HH | 4547   | 71742   | 0.33% | 0.006% |
| 65 | 4.658 | 4.637 | 4.694 | HH | 30529  | 453932  | 2.10% | 0.038% |
| 66 | 4.708 | 4.694 | 4.716 | HH | 9456   | 99802   | 0.46% | 0.008% |
| 67 | 4.727 | 4.716 | 4.742 | HH | 11407  | 133316  | 0.62% | 0.011% |
| 68 | 4.758 | 4.742 | 4.774 | HH | 25098  | 244127  | 1.13% | 0.021% |
| 69 | 4.792 | 4.774 | 4.828 | HH | 65011  | 787217  | 3.65% | 0.066% |
| 70 | 4.859 | 4.828 | 4.871 | HH | 35827  | 443431  | 2.06% | 0.037% |
| 71 | 4.890 | 4.871 | 4.909 | HH | 82749  | 956596  | 4.43% | 0.080% |
| 72 | 4.922 | 4.909 | 4.946 | HH | 23583  | 375168  | 1.74% | 0.032% |
| 73 | 4.960 | 4.946 | 4.996 | HH | 43262  | 524469  | 2.43% | 0.044% |
| 74 | 5.006 | 4.996 | 5.016 | HH | 5500   | 57954   | 0.27% | 0.005% |
| 75 | 5.038 | 5.016 | 5.048 | HH | 17786  | 222285  | 1.03% | 0.019% |
| 76 | 5.057 | 5.048 | 5.074 | HH | 15900  | 187485  | 0.87% | 0.016% |
| 77 | 5.092 | 5.074 | 5.105 | HH | 60971  | 659675  | 3.06% | 0.055% |
| 78 | 5.110 | 5.105 | 5.128 | HH | 29965  | 258494  | 1.20% | 0.022% |
| 79 | 5.146 | 5.128 | 5.170 | HH | 32180  | 437404  | 2.03% | 0.037% |
| 80 | 5.194 | 5.170 | 5.214 | HH | 55553  | 867913  | 4.02% | 0.073% |
| 81 | 5.226 | 5.214 | 5.239 | HH | 46841  | 460144  | 2.13% | 0.039% |
| 82 | 5.244 | 5.239 | 5.270 | HH | 23150  | 231344  | 1.07% | 0.019% |
| 83 | 5.282 | 5.270 | 5.289 | HH | 5230   | 48219   | 0.22% | 0.004% |
| 84 | 5.316 | 5.289 | 5.337 | HH | 28072  | 444597  | 2.06% | 0.037% |
| 85 | 5.348 | 5.337 | 5.374 | HH | 13226  | 199121  | 0.92% | 0.017% |
| 86 | 5.383 | 5.374 | 5.391 | HH | 6000   | 56986   | 0.26% | 0.005% |
| 87 | 5.421 | 5.391 | 5.466 | HH | 26606  | 561012  | 2.60% | 0.047% |
| 88 | 5.494 | 5.466 | 5.512 | HH | 9925   | 161480  | 0.75% | 0.014% |
| 89 | 5.544 | 5.512 | 5.564 | HH | 64354  | 811988  | 3.76% | 0.068% |
| 90 | 5.581 | 5.564 | 5.605 | HH | 60156  | 611395  | 2.83% | 0.051% |
| 91 | 5.614 | 5.605 | 5.628 | HH | 5949   | 63684   | 0.30% | 0.005% |
| 92 | 5.634 | 5.628 | 5.646 | HH | 3479   | 33027   | 0.15% | 0.003% |
| 93 | 5.661 | 5.646 | 5.672 | HH | 6073   | 69637   | 0.32% | 0.006% |
| 94 | 5.681 | 5.672 | 5.690 | HH | 4953   | 48358   | 0.22% | 0.004% |
| 95 | 5.734 | 5.690 | 5.748 | HH | 26017  | 397899  | 1.84% | 0.033% |
| 96 | 5.758 | 5.748 | 5.771 | HH | 14705  | 157178  | 0.73% | 0.013% |
| 97 | 5.787 | 5.771 | 5.802 | HH | 9147   | 135947  | 0.63% | 0.011% |
| 98 | 5.830 | 5.802 | 5.863 | HH | 57936  | 984484  | 4.56% | 0.083% |
| 99 | 5.883 | 5.863 | 5.899 | HH | 28910  | 348297  | 1.61% | 0.029% |

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|-----|-------|-------|-------|----|-------|--------|-------|--------|
| 100 | 5.913 | 5.899 | 5.936 | HH | 21180 | 316016 | 1.46% | 0.027% |
| 101 | 5.949 | 5.936 | 5.979 | HH | 13301 | 214384 | 0.99% | 0.018% |
| 102 | 5.998 | 5.979 | 6.021 | HH | 17202 | 240286 | 1.11% | 0.020% |
| 103 | 6.043 | 6.021 | 6.075 | HH | 16579 | 344046 | 1.59% | 0.029% |
| 104 | 6.099 | 6.075 | 6.111 | HH | 25243 | 319243 | 1.48% | 0.027% |
| 105 | 6.125 | 6.111 | 6.130 | HH | 23026 | 213969 | 0.99% | 0.018% |
| 106 | 6.144 | 6.130 | 6.164 | HH | 52937 | 589673 | 2.73% | 0.050% |
| 107 | 6.181 | 6.164 | 6.206 | HH | 22834 | 293315 | 1.36% | 0.025% |
| 108 | 6.237 | 6.206 | 6.257 | HH | 42427 | 653898 | 3.03% | 0.055% |
| 109 | 6.271 | 6.257 | 6.296 | HH | 18597 | 248890 | 1.15% | 0.021% |
| 110 | 6.313 | 6.296 | 6.330 | HH | 18592 | 219659 | 1.02% | 0.018% |
| 111 | 6.350 | 6.330 | 6.382 | HH | 20852 | 393548 | 1.82% | 0.033% |
| 112 | 6.402 | 6.382 | 6.427 | HH | 6464  | 130054 | 0.60% | 0.011% |
| 113 | 6.449 | 6.427 | 6.493 | HH | 13004 | 268205 | 1.24% | 0.023% |
| 114 | 6.519 | 6.493 | 6.537 | HH | 29299 | 346555 | 1.61% | 0.029% |
| 115 | 6.546 | 6.537 | 6.569 | HH | 7737  | 102652 | 0.48% | 0.009% |
| 116 | 6.608 | 6.569 | 6.622 | HH | 7664  | 143461 | 0.66% | 0.012% |
| 117 | 6.639 | 6.622 | 6.657 | HH | 15340 | 238010 | 1.10% | 0.020% |
| 118 | 6.669 | 6.657 | 6.691 | HH | 16349 | 202762 | 0.94% | 0.017% |
| 119 | 6.722 | 6.691 | 6.736 | HH | 12190 | 189150 | 0.88% | 0.016% |
| 120 | 6.741 | 6.736 | 6.757 | HH | 7563  | 81926  | 0.38% | 0.007% |
| 121 | 6.771 | 6.757 | 6.781 | HH | 5206  | 69370  | 0.32% | 0.006% |
| 122 | 6.806 | 6.781 | 6.825 | HH | 24532 | 328647 | 1.52% | 0.028% |
| 123 | 6.848 | 6.825 | 6.873 | HH | 8492  | 180452 | 0.84% | 0.015% |
| 124 | 6.877 | 6.873 | 6.889 | HH | 4739  | 40221  | 0.19% | 0.003% |
| 125 | 6.927 | 6.889 | 6.948 | HH | 18605 | 307899 | 1.43% | 0.026% |
| 126 | 6.964 | 6.948 | 6.974 | HH | 6947  | 83309  | 0.39% | 0.007% |
| 127 | 6.994 | 6.974 | 7.005 | HH | 6776  | 111003 | 0.51% | 0.009% |
| 128 | 7.019 | 7.005 | 7.024 | HH | 7979  | 78553  | 0.36% | 0.007% |
| 129 | 7.040 | 7.024 | 7.062 | HH | 10872 | 177233 | 0.82% | 0.015% |
| 130 | 7.086 | 7.062 | 7.102 | HH | 19397 | 289518 | 1.34% | 0.024% |
| 131 | 7.117 | 7.102 | 7.132 | HH | 11633 | 188048 | 0.87% | 0.016% |
| 132 | 7.152 | 7.132 | 7.167 | HH | 21194 | 288919 | 1.34% | 0.024% |
| 133 | 7.175 | 7.167 | 7.191 | HH | 11590 | 132883 | 0.62% | 0.011% |
| 134 | 7.197 | 7.191 | 7.205 | HH | 6098  | 50133  | 0.23% | 0.004% |
| 135 | 7.225 | 7.205 | 7.241 | HH | 9656  | 163303 | 0.76% | 0.014% |
| 136 | 7.247 | 7.241 | 7.267 | HH | 5901  | 78225  | 0.36% | 0.007% |
| 137 | 7.288 | 7.267 | 7.313 | HH | 32159 | 382331 | 1.77% | 0.032% |
| 138 | 7.336 | 7.313 | 7.368 | HH | 4588  | 120340 | 0.56% | 0.010% |
| 139 | 7.383 | 7.368 | 7.395 | HH | 3476  | 50543  | 0.23% | 0.004% |
| 140 | 7.409 | 7.395 | 7.415 | HH | 3826  | 41459  | 0.19% | 0.003% |
| 141 | 7.442 | 7.415 | 7.477 | HH | 22438 | 332418 | 1.54% | 0.028% |
| 142 | 7.494 | 7.477 | 7.506 | HH | 5210  | 75611  | 0.35% | 0.006% |
| 143 | 7.529 | 7.506 | 7.555 | HH | 5858  | 144994 | 0.67% | 0.012% |
| 144 | 7.559 | 7.555 | 7.587 | HH | 3440  | 56800  | 0.26% | 0.005% |
| 145 | 7.622 | 7.587 | 7.639 | HH | 6497  | 129699 | 0.60% | 0.011% |
| 146 | 7.677 | 7.639 | 7.695 | HH | 6165  | 125321 | 0.58% | 0.011% |
| 147 | 7.699 | 7.695 | 7.714 | HH | 2382  | 22768  | 0.11% | 0.002% |
| 148 | 7.733 | 7.714 | 7.744 | HH | 2326  | 35037  | 0.16% | 0.003% |
| 149 | 7.770 | 7.744 | 7.791 | HH | 4326  | 88927  | 0.41% | 0.007% |
| 150 | 7.807 | 7.791 | 7.820 | HH | 4054  | 53829  | 0.25% | 0.005% |
| 151 | 7.837 | 7.820 | 7.855 | HH | 9405  | 111001 | 0.51% | 0.009% |
| 152 | 7.895 | 7.855 | 7.906 | HH | 4741  | 118542 | 0.55% | 0.010% |
| 153 | 7.918 | 7.906 | 7.945 | HH | 5342  | 80059  | 0.37% | 0.007% |
| 154 | 7.964 | 7.945 | 7.985 | HH | 4860  | 72733  | 0.34% | 0.006% |
| 155 | 8.009 | 7.985 | 8.021 | HH | 6641  | 90857  | 0.42% | 0.008% |
| 156 | 8.042 | 8.021 | 8.074 | HH | 24912 | 347681 | 1.61% | 0.029% |

|     |        |        |        |    |       |        |       |        |
|-----|--------|--------|--------|----|-------|--------|-------|--------|
| 157 | 8.080  | 8.074  | 8.108  | HH | 4883  | 71510  | 0.33% | 0.006% |
| 158 | 8.130  | 8.108  | 8.178  | HH | 11899 | 253296 | 1.17% | 0.021% |
| 159 | 8.203  | 8.178  | 8.214  | HH | 2562  | 49139  | 0.23% | 0.004% |
| 160 | 8.248  | 8.214  | 8.263  | HH | 18280 | 239129 | 1.11% | 0.020% |
| 161 | 8.275  | 8.263  | 8.292  | HH | 11594 | 135422 | 0.63% | 0.011% |
| 162 | 8.310  | 8.292  | 8.341  | HH | 15113 | 206047 | 0.96% | 0.017% |
| 163 | 8.374  | 8.341  | 8.386  | HH | 4678  | 92915  | 0.43% | 0.008% |
| 164 | 8.408  | 8.386  | 8.469  | HH | 6572  | 199920 | 0.93% | 0.017% |
| 165 | 8.484  | 8.469  | 8.498  | HH | 3215  | 41328  | 0.19% | 0.003% |
| 166 | 8.523  | 8.498  | 8.556  | HH | 4596  | 92618  | 0.43% | 0.008% |
| 167 | 8.570  | 8.556  | 8.579  | HH | 1781  | 22879  | 0.11% | 0.002% |
| 168 | 8.589  | 8.579  | 8.599  | HH | 1615  | 18334  | 0.08% | 0.002% |
| 169 | 8.607  | 8.599  | 8.621  | HH | 1547  | 18276  | 0.08% | 0.002% |
| 170 | 8.640  | 8.621  | 8.656  | HH | 2494  | 33954  | 0.16% | 0.003% |
| 171 | 8.678  | 8.656  | 8.704  | HH | 5939  | 90629  | 0.42% | 0.008% |
| 172 | 8.746  | 8.704  | 8.761  | HH | 4660  | 114608 | 0.53% | 0.010% |
| 173 | 8.775  | 8.761  | 8.808  | HH | 5066  | 99889  | 0.46% | 0.008% |
| 174 | 8.844  | 8.808  | 8.876  | HH | 7468  | 158585 | 0.74% | 0.013% |
| 175 | 8.892  | 8.876  | 8.905  | HH | 2281  | 36389  | 0.17% | 0.003% |
| 176 | 8.918  | 8.905  | 8.944  | HH | 2856  | 53768  | 0.25% | 0.005% |
| 177 | 8.963  | 8.944  | 8.984  | HH | 6668  | 92327  | 0.43% | 0.008% |
| 178 | 8.997  | 8.984  | 9.012  | HH | 3478  | 45639  | 0.21% | 0.004% |
| 179 | 9.031  | 9.012  | 9.072  | HH | 5914  | 121923 | 0.57% | 0.010% |
| 180 | 9.088  | 9.072  | 9.104  | HH | 4492  | 59033  | 0.27% | 0.005% |
| 181 | 9.131  | 9.104  | 9.153  | HH | 14976 | 197697 | 0.92% | 0.017% |
| 182 | 9.174  | 9.153  | 9.202  | HH | 6379  | 107843 | 0.50% | 0.009% |
| 183 | 9.214  | 9.202  | 9.257  | HH | 2047  | 53782  | 0.25% | 0.005% |
| 184 | 9.291  | 9.257  | 9.306  | HH | 5375  | 83544  | 0.39% | 0.007% |
| 185 | 9.322  | 9.306  | 9.354  | HH | 5752  | 92478  | 0.43% | 0.008% |
| 186 | 9.368  | 9.354  | 9.384  | HH | 2154  | 33436  | 0.15% | 0.003% |
| 187 | 9.406  | 9.384  | 9.413  | HH | 3478  | 44645  | 0.21% | 0.004% |
| 188 | 9.426  | 9.413  | 9.439  | HH | 5733  | 71835  | 0.33% | 0.006% |
| 189 | 9.452  | 9.439  | 9.471  | HH | 5450  | 75446  | 0.35% | 0.006% |
| 190 | 9.482  | 9.471  | 9.487  | HH | 2925  | 27835  | 0.13% | 0.002% |
| 191 | 9.509  | 9.487  | 9.523  | HH | 4995  | 83014  | 0.38% | 0.007% |
| 192 | 9.536  | 9.523  | 9.556  | HH | 3929  | 61865  | 0.29% | 0.005% |
| 193 | 9.591  | 9.556  | 9.619  | HH | 5961  | 148575 | 0.69% | 0.012% |
| 194 | 9.632  | 9.619  | 9.646  | HH | 3741  | 50689  | 0.23% | 0.004% |
| 195 | 9.662  | 9.646  | 9.672  | HH | 3790  | 52190  | 0.24% | 0.004% |
| 196 | 9.686  | 9.672  | 9.701  | HH | 5594  | 75434  | 0.35% | 0.006% |
| 197 | 9.724  | 9.701  | 9.732  | HH | 4448  | 75473  | 0.35% | 0.006% |
| 198 | 9.748  | 9.732  | 9.768  | HH | 7087  | 108137 | 0.50% | 0.009% |
| 199 | 9.788  | 9.768  | 9.806  | HH | 7202  | 107934 | 0.50% | 0.009% |
| 200 | 9.819  | 9.806  | 9.834  | HH | 4264  | 64819  | 0.30% | 0.005% |
| 201 | 9.845  | 9.834  | 9.854  | HH | 4282  | 50088  | 0.23% | 0.004% |
| 202 | 9.878  | 9.854  | 9.889  | HH | 5099  | 97918  | 0.45% | 0.008% |
| 203 | 9.909  | 9.889  | 9.982  | HH | 14016 | 318115 | 1.47% | 0.027% |
| 204 | 10.003 | 9.982  | 10.007 | HH | 3306  | 45967  | 0.21% | 0.004% |
| 205 | 10.016 | 10.007 | 10.048 | HH | 3459  | 78128  | 0.36% | 0.007% |
| 206 | 10.103 | 10.048 | 10.131 | HH | 6424  | 191124 | 0.89% | 0.016% |
| 207 | 10.141 | 10.131 | 10.167 | HH | 3413  | 67188  | 0.31% | 0.006% |
| 208 | 10.187 | 10.167 | 10.194 | HH | 3566  | 50995  | 0.24% | 0.004% |
| 209 | 10.196 | 10.194 | 10.209 | HH | 3505  | 29799  | 0.14% | 0.003% |
| 210 | 10.251 | 10.209 | 10.266 | HH | 5869  | 142211 | 0.66% | 0.012% |
| 211 | 10.296 | 10.266 | 10.319 | HH | 9209  | 199366 | 0.92% | 0.017% |
| 212 | 10.339 | 10.319 | 10.348 | HH | 7352  | 104666 | 0.49% | 0.009% |
| 213 | 10.358 | 10.348 | 10.372 | HH | 7855  | 102752 | 0.48% | 0.009% |
| 214 | 10.386 | 10.372 | 10.411 | HH | 8745  | 158962 | 0.74% | 0.013% |

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Instrument :  
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ClientSampleId :  
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Manual Integrations  
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|-----|--------|--------|--------|----|-------|---------|-------|--------|
| 215 | 10.429 | 10.411 | 10.477 | HH | 11253 | 266655  | 1.24% | 0.022% |
| 216 | 10.504 | 10.477 | 10.521 | HH | 6704  | 151108  | 0.70% | 0.013% |
| 217 | 10.552 | 10.521 | 10.584 | HH | 9731  | 283375  | 1.31% | 0.024% |
| 218 | 10.597 | 10.584 | 10.614 | HH | 6947  | 113001  | 0.52% | 0.009% |
| 219 | 10.644 | 10.614 | 10.689 | HH | 16331 | 382113  | 1.77% | 0.032% |
| 220 | 10.717 | 10.689 | 10.739 | HH | 15730 | 316549  | 1.47% | 0.027% |
| 221 | 10.752 | 10.739 | 10.800 | HH | 9065  | 261478  | 1.21% | 0.022% |
| 222 | 10.813 | 10.800 | 10.825 | HH | 5417  | 78897   | 0.37% | 0.007% |
| 223 | 10.847 | 10.825 | 10.855 | HH | 6252  | 104229  | 0.48% | 0.009% |
| 224 | 10.891 | 10.855 | 10.898 | HH | 8331  | 187805  | 0.87% | 0.016% |
| 225 | 10.914 | 10.898 | 10.939 | HH | 10607 | 210211  | 0.97% | 0.018% |
| 226 | 10.979 | 10.939 | 11.025 | HH | 15658 | 571044  | 2.65% | 0.048% |
| 227 | 11.040 | 11.025 | 11.070 | HH | 11080 | 245136  | 1.14% | 0.021% |
| 228 | 11.094 | 11.070 | 11.099 | HH | 8724  | 139759  | 0.65% | 0.012% |
| 229 | 11.116 | 11.099 | 11.140 | HH | 12629 | 240598  | 1.12% | 0.020% |
| 230 | 11.170 | 11.140 | 11.183 | HH | 10209 | 224279  | 1.04% | 0.019% |
| 231 | 11.202 | 11.183 | 11.241 | HH | 10094 | 313847  | 1.45% | 0.026% |
| 232 | 11.291 | 11.241 | 11.312 | HH | 12208 | 424792  | 1.97% | 0.036% |
| 233 | 11.340 | 11.312 | 11.385 | HH | 26149 | 683069  | 3.17% | 0.057% |
| 234 | 11.391 | 11.385 | 11.397 | HH | 9788  | 67889   | 0.31% | 0.006% |
| 235 | 11.437 | 11.397 | 11.457 | HH | 19061 | 467107  | 2.17% | 0.039% |
| 236 | 11.472 | 11.457 | 11.492 | HH | 13884 | 233024  | 1.08% | 0.020% |
| 237 | 11.508 | 11.492 | 11.525 | HH | 10025 | 192735  | 0.89% | 0.016% |
| 238 | 11.542 | 11.525 | 11.577 | HH | 10393 | 309165  | 1.43% | 0.026% |
| 239 | 11.602 | 11.577 | 11.622 | HH | 12114 | 287065  | 1.33% | 0.024% |
| 240 | 11.645 | 11.622 | 11.654 | HH | 13302 | 233859  | 1.08% | 0.020% |
| 241 | 11.667 | 11.654 | 11.689 | HH | 15162 | 271147  | 1.26% | 0.023% |
| 242 | 11.715 | 11.689 | 11.727 | HH | 14098 | 284940  | 1.32% | 0.024% |
| 243 | 11.743 | 11.727 | 11.764 | HH | 15671 | 305518  | 1.42% | 0.026% |
| 244 | 11.779 | 11.764 | 11.789 | HH | 12012 | 181947  | 0.84% | 0.015% |
| 245 | 11.829 | 11.789 | 11.847 | HH | 13846 | 436656  | 2.02% | 0.037% |
| 246 | 11.862 | 11.847 | 11.876 | HH | 14140 | 225314  | 1.04% | 0.019% |
| 247 | 11.895 | 11.876 | 11.921 | HH | 14743 | 358034  | 1.66% | 0.030% |
| 248 | 11.950 | 11.921 | 11.969 | HH | 13242 | 369433  | 1.71% | 0.031% |
| 249 | 12.013 | 11.969 | 12.038 | HH | 23183 | 715194  | 3.32% | 0.060% |
| 250 | 12.065 | 12.038 | 12.082 | HH | 17733 | 429901  | 1.99% | 0.036% |
| 251 | 12.103 | 12.082 | 12.137 | HH | 19536 | 564332  | 2.62% | 0.047% |
| 252 | 12.148 | 12.137 | 12.161 | HH | 15602 | 217191  | 1.01% | 0.018% |
| 253 | 12.179 | 12.161 | 12.202 | HH | 15234 | 367075  | 1.70% | 0.031% |
| 254 | 12.217 | 12.202 | 12.225 | HH | 15769 | 215651  | 1.00% | 0.018% |
| 255 | 12.264 | 12.225 | 12.306 | HH | 76419 | 1474750 | 6.84% | 0.124% |
| 256 | 12.321 | 12.306 | 12.339 | HH | 18275 | 354653  | 1.64% | 0.030% |
| 257 | 12.353 | 12.339 | 12.367 | HH | 17776 | 288084  | 1.34% | 0.024% |
| 258 | 12.389 | 12.367 | 12.408 | HH | 19986 | 478118  | 2.22% | 0.040% |
| 259 | 12.427 | 12.408 | 12.442 | HH | 21200 | 399936  | 1.85% | 0.034% |
| 260 | 12.454 | 12.442 | 12.464 | HH | 19580 | 257302  | 1.19% | 0.022% |
| 261 | 12.480 | 12.464 | 12.490 | HH | 20224 | 305943  | 1.42% | 0.026% |
| 262 | 12.517 | 12.490 | 12.539 | HH | 21608 | 607796  | 2.82% | 0.051% |
| 263 | 12.579 | 12.539 | 12.589 | HH | 23460 | 644117  | 2.99% | 0.054% |
| 264 | 12.611 | 12.589 | 12.629 | HH | 25241 | 586629  | 2.72% | 0.049% |
| 265 | 12.652 | 12.629 | 12.673 | HH | 34484 | 751557  | 3.48% | 0.063% |
| 266 | 12.682 | 12.673 | 12.700 | HH | 24751 | 385743  | 1.79% | 0.032% |
| 267 | 12.727 | 12.700 | 12.764 | HH | 28554 | 976450  | 4.53% | 0.082% |
| 268 | 12.801 | 12.764 | 12.820 | HH | 25861 | 846736  | 3.92% | 0.071% |
| 269 | 12.875 | 12.820 | 12.891 | HH | 28826 | 1113439 | 5.16% | 0.094% |
| 270 | 12.909 | 12.891 | 12.917 | HH | 29807 | 456159  | 2.11% | 0.038% |
| 271 | 12.936 | 12.917 | 12.961 | HH | 31709 | 806404  | 3.74% | 0.068% |

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Instrument :  
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ClientSampleId :  
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Manual Integrations  
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|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 272 | 12.979 | 12.961 | 12.995 | HH | 31872  | 627617  | 2.91%  | 0.053% |
| 273 | 13.023 | 12.995 | 13.027 | HH | 34545  | 622034  | 2.88%  | 0.052% |
| 274 | 13.047 | 13.027 | 13.060 | HH | 36987  | 694298  | 3.22%  | 0.058% |
| 275 | 13.076 | 13.060 | 13.082 | HH | 36057  | 474127  | 2.20%  | 0.040% |
| 276 | 13.086 | 13.082 | 13.107 | HH | 35887  | 517305  | 2.40%  | 0.043% |
| 277 | 13.115 | 13.107 | 13.121 | HH | 34956  | 285289  | 1.32%  | 0.024% |
| 278 | 13.144 | 13.121 | 13.172 | HH | 44400  | 1220217 | 5.66%  | 0.103% |
| 279 | 13.198 | 13.172 | 13.224 | HH | 38769  | 1191095 | 5.52%  | 0.100% |
| 280 | 13.266 | 13.224 | 13.279 | HH | 46353  | 1364609 | 6.33%  | 0.115% |
| 281 | 13.285 | 13.279 | 13.304 | HH | 45186  | 677743  | 3.14%  | 0.057% |
| 282 | 13.331 | 13.304 | 13.349 | HH | 48669  | 1246559 | 5.78%  | 0.105% |
| 283 | 13.362 | 13.349 | 13.391 | HH | 47621  | 1164876 | 5.40%  | 0.098% |
| 284 | 13.402 | 13.391 | 13.411 | HH | 44571  | 541767  | 2.51%  | 0.046% |
| 285 | 13.441 | 13.411 | 13.451 | HH | 46225  | 1059777 | 4.91%  | 0.089% |
| 286 | 13.455 | 13.451 | 13.461 | HH | 46086  | 282683  | 1.31%  | 0.024% |
| 287 | 13.493 | 13.461 | 13.518 | HH | 67564  | 1893990 | 8.78%  | 0.159% |
| 288 | 13.541 | 13.518 | 13.562 | HH | 55553  | 1419295 | 6.58%  | 0.119% |
| 289 | 13.575 | 13.562 | 13.591 | HH | 54732  | 906328  | 4.20%  | 0.076% |
| 290 | 13.615 | 13.591 | 13.637 | HH | 56731  | 1523235 | 7.06%  | 0.128% |
| 291 | 13.657 | 13.637 | 13.667 | HH | 55935  | 985412  | 4.57%  | 0.083% |
| 292 | 13.692 | 13.667 | 13.709 | HH | 64027  | 1504493 | 6.97%  | 0.126% |
| 293 | 13.725 | 13.709 | 13.734 | HH | 60949  | 892052  | 4.13%  | 0.075% |
| 294 | 13.764 | 13.734 | 13.786 | HH | 68352  | 2033616 | 9.43%  | 0.171% |
| 295 | 13.790 | 13.786 | 13.806 | HH | 63641  | 751110  | 3.48%  | 0.063% |
| 296 | 13.821 | 13.806 | 13.830 | HH | 64319  | 922374  | 4.28%  | 0.078% |
| 297 | 13.848 | 13.830 | 13.859 | HH | 70299  | 1176758 | 5.45%  | 0.099% |
| 298 | 13.868 | 13.859 | 13.878 | HH | 70542  | 791029  | 3.67%  | 0.066% |
| 299 | 13.884 | 13.878 | 13.890 | HH | 70325  | 502332  | 2.33%  | 0.042% |
| 300 | 13.911 | 13.890 | 13.925 | HH | 76418  | 1523278 | 7.06%  | 0.128% |
| 301 | 13.940 | 13.925 | 13.979 | HH | 75492  | 2355296 | 10.92% | 0.198% |
| 302 | 14.002 | 13.979 | 14.018 | HH | 71551  | 1629665 | 7.55%  | 0.137% |
| 303 | 14.083 | 14.018 | 14.107 | HH | 90810  | 4336687 | 20.10% | 0.364% |
| 304 | 14.119 | 14.107 | 14.129 | HH | 83419  | 1048962 | 4.86%  | 0.088% |
| 305 | 14.147 | 14.129 | 14.172 | HH | 85265  | 2184344 | 10.12% | 0.184% |
| 306 | 14.182 | 14.172 | 14.199 | HH | 83941  | 1289248 | 5.98%  | 0.108% |
| 307 | 14.238 | 14.199 | 14.255 | HH | 94063  | 2935791 | 13.61% | 0.247% |
| 308 | 14.269 | 14.255 | 14.275 | HH | 93222  | 1091644 | 5.06%  | 0.092% |
| 309 | 14.280 | 14.275 | 14.301 | HH | 93290  | 1418719 | 6.58%  | 0.119% |
| 310 | 14.326 | 14.301 | 14.364 | HH | 100954 | 3620606 | 16.78% | 0.304% |
| 311 | 14.383 | 14.364 | 14.395 | HH | 97181  | 1767875 | 8.19%  | 0.149% |
| 312 | 14.416 | 14.395 | 14.432 | HH | 105686 | 2197595 | 10.19% | 0.185% |
| 313 | 14.446 | 14.432 | 14.454 | HH | 99895  | 1280172 | 5.93%  | 0.108% |
| 314 | 14.475 | 14.454 | 14.507 | HH | 114791 | 3452637 | 16.00% | 0.290% |
| 315 | 14.535 | 14.507 | 14.574 | HH | 109582 | 4228203 | 19.60% | 0.355% |
| 316 | 14.583 | 14.574 | 14.589 | HH | 102605 | 938718  | 4.35%  | 0.079% |
| 317 | 14.618 | 14.589 | 14.636 | HH | 122455 | 3221814 | 14.93% | 0.271% |
| 318 | 14.642 | 14.636 | 14.651 | HH | 118230 | 1001841 | 4.64%  | 0.084% |
| 319 | 14.658 | 14.651 | 14.663 | HH | 118642 | 882293  | 4.09%  | 0.074% |
| 320 | 14.669 | 14.663 | 14.679 | HH | 119758 | 1117589 | 5.18%  | 0.094% |
| 321 | 14.697 | 14.679 | 14.707 | HH | 118998 | 1954478 | 9.06%  | 0.164% |
| 322 | 14.751 | 14.707 | 14.782 | HH | 259691 | 7172033 | 33.24% | 0.603% |
| 323 | 14.811 | 14.782 | 14.829 | HH | 127620 | 3540832 | 16.41% | 0.298% |
| 324 | 14.855 | 14.829 | 14.859 | HH | 135135 | 2325502 | 10.78% | 0.195% |
| 325 | 14.862 | 14.859 | 14.869 | HH | 135335 | 830335  | 3.85%  | 0.070% |
| 326 | 14.874 | 14.869 | 14.877 | HH | 133489 | 637514  | 2.96%  | 0.054% |
| 327 | 14.881 | 14.877 | 14.903 | HH | 133440 | 2017216 | 9.35%  | 0.170% |
| 328 | 14.954 | 14.903 | 14.974 | HH | 145251 | 5675781 | 26.31% | 0.477% |
| 329 | 15.015 | 14.974 | 15.055 | HH | 151806 | 6904131 | 32.00% | 0.580% |

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Instrument :  
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ClientSampleId :  
SI-2-EXCA-SOIL

Manual Integrations  
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Instrument :  
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|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 330 | 15.068 | 15.055 | 15.080 | HH | 142573 | 2081087 | 9.65%  | 0.175% |
| 331 | 15.097 | 15.080 | 15.127 | HH | 146045 | 3958759 | 18.35% | 0.333% |
| 332 | 15.149 | 15.127 | 15.174 | HH | 162417 | 4375450 | 20.28% | 0.368% |
| 333 | 15.207 | 15.174 | 15.226 | HH | 161711 | 4881159 | 22.63% | 0.410% |
| 334 | 15.234 | 15.226 | 15.244 | HH | 156016 | 1723701 | 7.99%  | 0.145% |
| 335 | 15.254 | 15.244 | 15.259 | HH | 154979 | 1360268 | 6.31%  | 0.114% |
| 336 | 15.274 | 15.259 | 15.287 | HH | 157473 | 2649731 | 12.28% | 0.223% |
| 337 | 15.307 | 15.287 | 15.310 | HH | 161877 | 2145480 | 9.94%  | 0.180% |
| 338 | 15.336 | 15.310 | 15.362 | HH | 218252 | 5908604 | 27.39% | 0.497% |
| 339 | 15.399 | 15.362 | 15.433 | HH | 183679 | 7395172 | 34.28% | 0.621% |
| 340 | 15.445 | 15.433 | 15.456 | HH | 175388 | 2375907 | 11.01% | 0.200% |
| 341 | 15.504 | 15.456 | 15.514 | HH | 209032 | 6658555 | 30.86% | 0.560% |
| 342 | 15.529 | 15.514 | 15.551 | HH | 202798 | 4316461 | 20.01% | 0.363% |
| 343 | 15.555 | 15.551 | 15.567 | HH | 186709 | 1859109 | 8.62%  | 0.156% |
| 344 | 15.571 | 15.567 | 15.601 | HH | 187503 | 3592737 | 16.65% | 0.302% |
| 345 | 15.612 | 15.601 | 15.617 | HH | 178817 | 1719763 | 7.97%  | 0.145% |
| 346 | 15.621 | 15.617 | 15.625 | HH | 179071 | 823161  | 3.82%  | 0.069% |
| 347 | 15.661 | 15.625 | 15.684 | HH | 204476 | 6888273 | 31.93% | 0.579% |
| 348 | 15.709 | 15.684 | 15.725 | HH | 199506 | 4819419 | 22.34% | 0.405% |
| 349 | 15.731 | 15.725 | 15.756 | HH | 198002 | 3560900 | 16.51% | 0.299% |
| 350 | 15.794 | 15.756 | 15.814 | HH | 206502 | 7018249 | 32.53% | 0.590% |
| 351 | 15.829 | 15.814 | 15.835 | HH | 205500 | 2592762 | 12.02% | 0.218% |
| 352 | 15.846 | 15.835 | 15.851 | HH | 205537 | 1930151 | 8.95%  | 0.162% |
| 353 | 15.871 | 15.851 | 15.899 | HH | 225730 | 6101235 | 28.28% | 0.513% |
| 354 | 15.907 | 15.899 | 15.940 | HH | 213354 | 5065149 | 23.48% | 0.426% |
| 355 | 15.954 | 15.940 | 15.960 | HH | 208850 | 2417269 | 11.20% | 0.203% |
| 356 | 15.975 | 15.960 | 15.991 | HH | 216022 | 4030536 | 18.68% | 0.339% |
| 357 | 16.019 | 15.991 | 16.062 | HH | 250039 | 9569770 | 44.36% | 0.804% |
| 358 | 16.071 | 16.062 | 16.092 | HH | 214861 | 3881501 | 17.99% | 0.326% |
| 359 | 16.099 | 16.092 | 16.113 | HH | 215433 | 2612388 | 12.11% | 0.220% |
| 360 | 16.115 | 16.113 | 16.122 | HH | 212740 | 1205920 | 5.59%  | 0.101% |
| 361 | 16.158 | 16.122 | 16.182 | HH | 248072 | 8419667 | 39.03% | 0.708% |
| 362 | 16.206 | 16.182 | 16.224 | HH | 242831 | 5920949 | 27.44% | 0.498% |
| 363 | 16.228 | 16.224 | 16.244 | HH | 231251 | 2686075 | 12.45% | 0.226% |
| 364 | 16.266 | 16.244 | 16.272 | HH | 242041 | 4049882 | 18.77% | 0.340% |
| 365 | 16.278 | 16.272 | 16.284 | HH | 247399 | 1721955 | 7.98%  | 0.145% |
| 366 | 16.298 | 16.284 | 16.312 | HH | 256437 | 4265909 | 19.77% | 0.358% |
| 367 | 16.322 | 16.312 | 16.334 | HH | 253903 | 3300605 | 15.30% | 0.277% |
| 368 | 16.352 | 16.334 | 16.376 | HH | 268693 | 6428318 | 29.80% | 0.540% |
| 369 | 16.385 | 16.376 | 16.409 | HH | 244642 | 4818395 | 22.33% | 0.405% |
| 370 | 16.416 | 16.409 | 16.426 | HH | 241506 | 2443440 | 11.33% | 0.205% |
| 371 | 16.450 | 16.426 | 16.455 | HH | 246235 | 4164921 | 19.31% | 0.350% |
| 372 | 16.471 | 16.455 | 16.480 | HH | 246667 | 3611117 | 16.74% | 0.303% |
| 373 | 16.500 | 16.480 | 16.520 | HH | 260670 | 6153117 | 28.52% | 0.517% |
| 374 | 16.544 | 16.520 | 16.562 | HH | 249562 | 6053474 | 28.06% | 0.509% |
| 375 | 16.569 | 16.562 | 16.586 | HH | 242369 | 3450955 | 16.00% | 0.290% |
| 376 | 16.627 | 16.586 | 16.647 | HH | 275996 | 9553274 | 44.28% | 0.803% |
| 377 | 16.654 | 16.647 | 16.674 | HH | 267935 | 4183247 | 19.39% | 0.352% |
| 378 | 16.680 | 16.674 | 16.684 | HH | 264026 | 1646918 | 7.63%  | 0.138% |
| 379 | 16.699 | 16.684 | 16.714 | HH | 268511 | 4686300 | 21.72% | 0.394% |
| 380 | 16.721 | 16.714 | 16.734 | HH | 260487 | 3094080 | 14.34% | 0.260% |
| 381 | 16.779 | 16.734 | 16.788 | HH | 284811 | 8872648 | 41.13% | 0.746% |
| 382 | 16.801 | 16.788 | 16.826 | HH | 279534 | 6128290 | 28.41% | 0.515% |
| 383 | 16.830 | 16.826 | 16.847 | HH | 264030 | 3341381 | 15.49% | 0.281% |
| 384 | 16.858 | 16.847 | 16.870 | HH | 257844 | 3468608 | 16.08% | 0.291% |
| 385 | 16.877 | 16.870 | 16.886 | HH | 251023 | 2372611 | 11.00% | 0.199% |
| 386 | 16.904 | 16.886 | 16.909 | HH | 260729 | 3575742 | 16.57% | 0.300% |

|     |        |        |        |    |        |          |        |        |
|-----|--------|--------|--------|----|--------|----------|--------|--------|
| 387 | 16.927 | 16.909 | 16.943 | HH | 268109 | 5474321  | 25.37% | 0.460% |
| 388 | 16.971 | 16.943 | 16.996 | HH | 279971 | 8485561  | 39.33% | 0.713% |
| 389 | 17.005 | 16.996 | 17.014 | HH | 257647 | 2790354  | 12.93% | 0.234% |
| 390 | 17.017 | 17.014 | 17.026 | HH | 254030 | 1757715  | 8.15%  | 0.148% |
| 391 | 17.077 | 17.026 | 17.081 | HH | 280658 | 8711140  | 40.38% | 0.732% |
| 392 | 17.085 | 17.081 | 17.113 | HH | 276424 | 5079469  | 23.54% | 0.427% |
| 393 | 17.125 | 17.113 | 17.131 | HH | 268649 | 2864188  | 13.28% | 0.241% |
| 394 | 17.140 | 17.131 | 17.146 | HH | 268151 | 2381395  | 11.04% | 0.200% |
| 395 | 17.170 | 17.146 | 17.176 | HH | 273711 | 4862954  | 22.54% | 0.409% |
| 396 | 17.197 | 17.176 | 17.210 | HH | 283802 | 5603015  | 25.97% | 0.471% |
| 397 | 17.231 | 17.210 | 17.238 | HH | 273197 | 4623913  | 21.43% | 0.389% |
| 398 | 17.256 | 17.238 | 17.276 | HH | 280316 | 6270242  | 29.06% | 0.527% |
| 399 | 17.284 | 17.276 | 17.326 | HH | 279984 | 8049880  | 37.31% | 0.676% |
| 400 | 17.340 | 17.326 | 17.352 | HH | 270385 | 4158625  | 19.28% | 0.349% |
| 401 | 17.376 | 17.352 | 17.396 | HH | 294185 | 7343960  | 34.04% | 0.617% |
| 402 | 17.402 | 17.396 | 17.422 | HH | 275311 | 4260531  | 19.75% | 0.358% |
| 403 | 17.429 | 17.422 | 17.456 | HH | 272527 | 5398284  | 25.02% | 0.454% |
| 404 | 17.470 | 17.456 | 17.479 | HH | 266113 | 3661998  | 16.97% | 0.308% |
| 405 | 17.493 | 17.479 | 17.499 | HH | 273975 | 3263252  | 15.13% | 0.274% |
| 406 | 17.511 | 17.499 | 17.515 | HH | 289912 | 2691156  | 12.47% | 0.226% |
| 407 | 17.521 | 17.515 | 17.543 | HH | 294602 | 4758946  | 22.06% | 0.400% |
| 408 | 17.547 | 17.543 | 17.557 | HH | 275802 | 2330943  | 10.80% | 0.196% |
| 409 | 17.567 | 17.557 | 17.572 | HH | 269677 | 2334547  | 10.82% | 0.196% |
| 410 | 17.579 | 17.572 | 17.586 | HH | 270023 | 2264033  | 10.49% | 0.190% |
| 411 | 17.598 | 17.586 | 17.603 | HH | 274396 | 2877538  | 13.34% | 0.242% |
| 412 | 17.641 | 17.603 | 17.647 | HH | 285666 | 7408416  | 34.34% | 0.623% |
| 413 | 17.653 | 17.647 | 17.661 | HH | 287651 | 2281212  | 10.57% | 0.192% |
| 414 | 17.669 | 17.661 | 17.673 | HH | 292079 | 2201503  | 10.20% | 0.185% |
| 415 | 17.680 | 17.673 | 17.689 | HH | 297403 | 2795966  | 12.96% | 0.235% |
| 416 | 17.695 | 17.689 | 17.704 | HH | 291922 | 2502544  | 11.60% | 0.210% |
| 417 | 17.713 | 17.704 | 17.718 | HH | 291017 | 2417148  | 11.20% | 0.203% |
| 418 | 17.724 | 17.718 | 17.729 | HH | 291367 | 1930007  | 8.95%  | 0.162% |
| 419 | 17.739 | 17.729 | 17.779 | HH | 297558 | 8691653  | 40.29% | 0.730% |
| 420 | 17.826 | 17.779 | 17.874 | HH | 294554 | 16092463 | 74.59% | 1.352% |
| 421 | 17.881 | 17.874 | 17.885 | HH | 276664 | 1894035  | 8.78%  | 0.159% |
| 422 | 17.891 | 17.885 | 17.903 | HH | 277577 | 2891564  | 13.40% | 0.243% |
| 423 | 17.910 | 17.903 | 17.924 | HH | 282332 | 3531331  | 16.37% | 0.297% |
| 424 | 17.956 | 17.924 | 17.961 | HH | 303495 | 6360625  | 29.48% | 0.535% |
| 425 | 17.986 | 17.961 | 18.004 | HH | 330813 | 8194390  | 37.98% | 0.689% |
| 426 | 18.024 | 18.004 | 18.074 | HH | 309653 | 12384988 | 57.41% | 1.041% |
| 427 | 18.087 | 18.074 | 18.126 | HH | 285651 | 8731251  | 40.47% | 0.734% |
| 428 | 18.171 | 18.126 | 18.211 | HH | 303760 | 14637216 | 67.85% | 1.230% |
| 429 | 18.235 | 18.211 | 18.271 | HH | 293760 | 10220350 | 47.37% | 0.859% |
| 430 | 18.278 | 18.271 | 18.285 | HH | 277578 | 2378002  | 11.02% | 0.200% |
| 431 | 18.320 | 18.285 | 18.325 | HH | 290631 | 6724904  | 31.17% | 0.565% |
| 432 | 18.333 | 18.325 | 18.338 | HH | 295300 | 2225980  | 10.32% | 0.187% |
| 433 | 18.357 | 18.338 | 18.371 | HH | 325438 | 6145818  | 28.49% | 0.516% |
| 434 | 18.384 | 18.371 | 18.407 | HH | 305110 | 6547041  | 30.35% | 0.550% |
| 435 | 18.413 | 18.407 | 18.451 | HH | 294157 | 7560605  | 35.04% | 0.635% |
| 436 | 18.455 | 18.451 | 18.476 | HH | 283121 | 4137549  | 19.18% | 0.348% |
| 437 | 18.510 | 18.476 | 18.532 | HH | 286988 | 9482202  | 43.95% | 0.797% |
| 438 | 18.537 | 18.532 | 18.559 | HH | 279594 | 4421801  | 20.50% | 0.372% |
| 439 | 18.574 | 18.559 | 18.593 | HH | 273091 | 5432693  | 25.18% | 0.457% |
| 440 | 18.599 | 18.593 | 18.605 | HH | 273000 | 1878366  | 8.71%  | 0.158% |
| 441 | 18.615 | 18.605 | 18.621 | HH | 278813 | 2669661  | 12.37% | 0.224% |
| 442 | 18.643 | 18.621 | 18.701 | HH | 289098 | 13351691 | 61.89% | 1.122% |
| 443 | 18.707 | 18.701 | 18.714 | HH | 271162 | 2156153  | 9.99%  | 0.181% |
| 444 | 18.724 | 18.714 | 18.729 | HH | 274690 | 2493748  | 11.56% | 0.210% |

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|-----|--------|--------|--------|----|--------|----------|--------|--------|
| 445 | 18.751 | 18.729 | 18.756 | HH | 282987 | 4404028  | 20.41% | 0.370% |
| 446 | 18.772 | 18.756 | 18.792 | HH | 302476 | 6181575  | 28.65% | 0.519% |
| 447 | 18.821 | 18.792 | 18.868 | HH | 288816 | 12641247 | 58.59% | 1.062% |
| 448 | 18.909 | 18.868 | 18.930 | HH | 280074 | 10146187 | 47.03% | 0.853% |
| 449 | 18.938 | 18.930 | 18.943 | HH | 285896 | 2162533  | 10.02% | 0.182% |
| 450 | 18.949 | 18.943 | 18.957 | HH | 282404 | 2269654  | 10.52% | 0.191% |
| 451 | 18.963 | 18.957 | 18.971 | HH | 285852 | 2505750  | 11.61% | 0.211% |
| 452 | 19.006 | 18.971 | 19.023 | HH | 304991 | 9173732  | 42.52% | 0.771% |
| 453 | 19.037 | 19.023 | 19.052 | HH | 308355 | 5262987  | 24.40% | 0.442% |
| 454 | 19.059 | 19.052 | 19.083 | HH | 304426 | 5607381  | 25.99% | 0.471% |
| 455 | 19.101 | 19.083 | 19.110 | HH | 292767 | 4586956  | 21.26% | 0.385% |
| 456 | 19.113 | 19.110 | 19.126 | HH | 286654 | 2749267  | 12.74% | 0.231% |
| 457 | 19.131 | 19.126 | 19.137 | HH | 278560 | 1848080  | 8.57%  | 0.155% |
| 458 | 19.161 | 19.137 | 19.177 | HH | 292122 | 6843195  | 31.72% | 0.575% |
| 459 | 19.183 | 19.177 | 19.191 | HH | 290367 | 2452796  | 11.37% | 0.206% |
| 460 | 19.204 | 19.191 | 19.219 | HH | 289602 | 4790736  | 22.21% | 0.403% |
| 461 | 19.224 | 19.219 | 19.230 | HH | 292497 | 1917714  | 8.89%  | 0.161% |
| 462 | 19.283 | 19.230 | 19.292 | HH | 311443 | 11281702 | 52.29% | 0.948% |
| 463 | 19.306 | 19.292 | 19.312 | HH | 322987 | 3816588  | 17.69% | 0.321% |
| 464 | 19.325 | 19.312 | 19.332 | HH | 331267 | 3873209  | 17.95% | 0.325% |
| 465 | 19.342 | 19.332 | 19.376 | HH | 333176 | 8425357  | 39.05% | 0.708% |
| 466 | 19.381 | 19.376 | 19.397 | HH | 320863 | 4081176  | 18.92% | 0.343% |
| 467 | 19.409 | 19.397 | 19.424 | HH | 316465 | 5027194  | 23.30% | 0.422% |
| 468 | 19.435 | 19.424 | 19.473 | HH | 314613 | 8890473  | 41.21% | 0.747% |
| 469 | 19.477 | 19.473 | 19.486 | HH | 291762 | 2192206  | 10.16% | 0.184% |
| 470 | 19.490 | 19.486 | 19.504 | HH | 284627 | 3082756  | 14.29% | 0.259% |
| 471 | 19.516 | 19.504 | 19.522 | HH | 280107 | 3049697  | 14.14% | 0.256% |
| 472 | 19.528 | 19.522 | 19.534 | HH | 281737 | 1886084  | 8.74%  | 0.158% |
| 473 | 19.542 | 19.534 | 19.547 | HH | 282318 | 2197588  | 10.19% | 0.185% |
| 474 | 19.556 | 19.547 | 19.563 | HH | 284769 | 2804671  | 13.00% | 0.236% |
| 475 | 19.576 | 19.563 | 19.584 | HH | 286965 | 3559719  | 16.50% | 0.299% |
| 476 | 19.593 | 19.584 | 19.598 | HH | 289003 | 2334402  | 10.82% | 0.196% |
| 477 | 19.605 | 19.598 | 19.610 | HH | 290162 | 2182067  | 10.11% | 0.183% |
| 478 | 19.621 | 19.610 | 19.628 | HH | 297860 | 3165100  | 14.67% | 0.266% |
| 479 | 19.649 | 19.628 | 19.684 | HH | 301836 | 9865906  | 45.73% | 0.829% |
| 480 | 19.691 | 19.684 | 19.697 | HH | 285945 | 2120576  | 9.83%  | 0.178% |
| 481 | 19.705 | 19.697 | 19.723 | HH | 288522 | 4486576  | 20.80% | 0.377% |
| 482 | 19.730 | 19.723 | 19.739 | HH | 288361 | 2827010  | 13.10% | 0.238% |
| 483 | 19.748 | 19.739 | 19.752 | HH | 288776 | 2240751  | 10.39% | 0.188% |
| 484 | 19.763 | 19.752 | 19.777 | HH | 298985 | 4282616  | 19.85% | 0.360% |
| 485 | 19.800 | 19.777 | 19.825 | HH | 302120 | 8599666  | 39.86% | 0.723% |
| 486 | 19.835 | 19.825 | 19.852 | HH | 289290 | 4654771  | 21.58% | 0.391% |
| 487 | 19.858 | 19.852 | 19.864 | HH | 279075 | 2008387  | 9.31%  | 0.169% |
| 488 | 19.874 | 19.864 | 19.881 | HH | 283990 | 2725771  | 12.63% | 0.229% |
| 489 | 19.891 | 19.881 | 19.895 | HH | 285981 | 2486526  | 11.53% | 0.209% |
| 490 | 19.906 | 19.895 | 19.946 | HH | 295459 | 8709206  | 40.37% | 0.732% |
| 491 | 19.967 | 19.946 | 20.009 | HH | 284468 | 10559577 | 48.95% | 0.887% |
| 492 | 20.014 | 20.009 | 20.022 | HH | 273197 | 2193370  | 10.17% | 0.184% |
| 493 | 20.029 | 20.022 | 20.035 | HH | 269594 | 1956695  | 9.07%  | 0.164% |
| 494 | 20.042 | 20.035 | 20.047 | HH | 271140 | 1978061  | 9.17%  | 0.166% |
| 495 | 20.068 | 20.047 | 20.080 | HH | 276338 | 5505800  | 25.52% | 0.463% |
| 496 | 20.104 | 20.080 | 20.110 | HH | 287033 | 4910703  | 22.76% | 0.413% |
| 497 | 20.154 | 20.110 | 20.186 | HH | 319723 | 13878241 | 64.33% | 1.166% |
| 498 | 20.193 | 20.186 | 20.231 | HH | 297327 | 7590784  | 35.18% | 0.638% |
| 499 | 20.249 | 20.231 | 20.263 | HH | 281332 | 5357687  | 24.83% | 0.450% |
| 500 | 20.268 | 20.263 | 20.274 | HH | 275782 | 1902645  | 8.82%  | 0.160% |
| 501 | 20.349 | 20.274 | 20.354 | HH | 310473 | 13788329 | 63.91% | 1.159% |

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|------------------------------------|--------|--------|--------|----|--------|----------|---------|--------|
| 502                                | 20.421 | 20.354 | 20.464 | HH | 373359 | 21574004 | 100.00% | 1.813% |
| 503                                | 20.467 | 20.464 | 20.474 | HH | 273691 | 1625779  | 7.54%   | 0.137% |
| 504                                | 20.482 | 20.474 | 20.492 | HH | 270661 | 2951495  | 13.68%  | 0.248% |
| 505                                | 20.498 | 20.492 | 20.506 | HH | 268149 | 2116535  | 9.81%   | 0.178% |
| 506                                | 20.516 | 20.506 | 20.550 | HH | 266962 | 6785808  | 31.45%  | 0.570% |
| 507                                | 20.555 | 20.550 | 20.580 | HH | 251722 | 4520076  | 20.95%  | 0.380% |
| 508                                | 20.604 | 20.580 | 20.610 | HH | 246005 | 4377842  | 20.29%  | 0.368% |
| 509                                | 20.619 | 20.610 | 20.628 | HH | 246451 | 2626915  | 12.18%  | 0.221% |
| 510                                | 20.678 | 20.628 | 20.723 | HH | 279587 | 14879589 | 68.97%  | 1.250% |
| 511                                | 20.728 | 20.723 | 20.734 | HH | 247084 | 1611652  | 7.47%   | 0.135% |
| 512                                | 20.747 | 20.734 | 20.758 | HH | 251903 | 3459897  | 16.04%  | 0.291% |
| 513                                | 20.763 | 20.758 | 20.808 | HH | 244759 | 7178513  | 33.27%  | 0.603% |
| 514                                | 20.816 | 20.808 | 20.842 | HH | 232108 | 4639159  | 21.50%  | 0.390% |
| 515                                | 20.847 | 20.842 | 20.856 | HH | 223923 | 1840060  | 8.53%   | 0.155% |
| 516                                | 20.876 | 20.856 | 20.884 | HH | 226466 | 3760927  | 17.43%  | 0.316% |
| 517                                | 20.898 | 20.884 | 20.929 | HH | 223838 | 5911110  | 27.40%  | 0.497% |
| 518                                | 20.937 | 20.929 | 20.943 | HH | 217133 | 1815107  | 8.41%   | 0.153% |
| 519                                | 20.964 | 20.943 | 20.970 | HH | 217695 | 3518796  | 16.31%  | 0.296% |
| 520                                | 20.984 | 20.970 | 20.994 | HH | 221382 | 3246871  | 15.05%  | 0.273% |
| 521                                | 21.005 | 20.994 | 21.029 | HH | 221714 | 4590433  | 21.28%  | 0.386% |
| 522                                | 21.034 | 21.029 | 21.056 | HH | 217900 | 3520660  | 16.32%  | 0.296% |
| 523                                | 21.061 | 21.056 | 21.089 | HH | 215447 | 4060642  | 18.82%  | 0.341% |
| 524                                | 21.094 | 21.089 | 21.107 | HH | 206956 | 2324424  | 10.77%  | 0.195% |
| 525                                | 21.113 | 21.107 | 21.123 | HH | 204462 | 1871035  | 8.67%   | 0.157% |
| 526                                | 21.136 | 21.123 | 21.142 | HH | 204373 | 2316252  | 10.74%  | 0.195% |
| 527                                | 21.156 | 21.142 | 21.180 | HH | 206460 | 4678339  | 21.69%  | 0.393% |
| 528                                | 21.188 | 21.180 | 21.219 | HH | 204638 | 4745174  | 21.99%  | 0.399% |
| 529                                | 21.227 | 21.219 | 21.238 | HH | 198920 | 2188150  | 10.14%  | 0.184% |
| 530                                | 21.246 | 21.238 | 21.256 | HH | 198328 | 2182288  | 10.12%  | 0.183% |
| 531                                | 21.261 | 21.256 | 21.266 | HH | 194862 | 1098408  | 5.09%   | 0.092% |
| 532                                | 21.300 | 21.266 | 21.313 | HH | 202149 | 5637710  | 26.13%  | 0.474% |
| 533                                | 21.335 | 21.313 | 21.356 | HH | 203846 | 5230596  | 24.24%  | 0.440% |
| 534                                | 21.360 | 21.356 | 21.371 | HH | 198645 | 1738234  | 8.06%   | 0.146% |
| 535                                | 21.385 | 21.371 | 21.395 | HH | 196293 | 2745510  | 12.73%  | 0.231% |
| 536                                | 21.399 | 21.395 | 21.405 | HH | 192540 | 1140828  | 5.29%   | 0.096% |
| 537                                | 21.425 | 21.405 | 21.436 | HH | 194602 | 3621083  | 16.78%  | 0.304% |
| 538                                | 21.442 | 21.436 | 21.456 | HH | 191973 | 2339745  | 10.85%  | 0.197% |
| 539                                | 21.466 | 21.456 | 21.495 | HH | 189154 | 4328807  | 20.06%  | 0.364% |
| 540                                | 21.502 | 21.495 | 21.507 | HH | 186925 | 1390599  | 6.45%   | 0.117% |
| 541                                | 21.520 | 21.507 | 21.532 | HH | 187100 | 2772996  | 12.85%  | 0.233% |
| 542                                | 21.536 | 21.532 | 21.541 | HH | 184005 | 917565   | 4.25%   | 0.077% |
| 543                                | 21.545 | 21.541 | 21.558 | HH | 184867 | 1874268  | 8.69%   | 0.158% |
| 544                                | 21.563 | 21.558 | 21.573 | HH | 183502 | 1648272  | 7.64%   | 0.139% |
| 545                                | 21.580 | 21.573 | 21.591 | HH | 184594 | 1975858  | 9.16%   | 0.166% |
| 546                                | 21.596 | 21.591 | 21.604 | HH | 181723 | 1418755  | 6.58%   | 0.119% |
| 547                                | 21.625 | 21.604 | 21.637 | HH | 185108 | 3636573  | 16.86%  | 0.306% |
| 548                                | 21.643 | 21.637 | 21.649 | HH | 185152 | 1336777  | 6.20%   | 0.112% |
| 549                                | 21.657 | 21.649 | 21.663 | HH | 186387 | 1491427  | 6.91%   | 0.125% |
| 550                                | 21.672 | 21.663 | 21.679 | HH | 187207 | 1863404  | 8.64%   | 0.157% |
| 551                                | 21.685 | 21.679 | 21.696 | HH | 186929 | 1839626  | 8.53%   | 0.155% |
| 552                                | 21.705 | 21.696 | 21.715 | HH | 186261 | 2150565  | 9.97%   | 0.181% |
| 553                                | 21.721 | 21.715 | 21.774 | HH | 185058 | 6312426  | 29.26%  | 0.530% |
| 554                                | 21.781 | 21.774 | 21.791 | HH | 175008 | 1839536  | 8.53%   | 0.155% |
| 555                                | 21.805 | 21.791 | 21.810 | HH | 174474 | 1944576  | 9.01%   | 0.163% |
| 556                                | 21.815 | 21.810 | 21.820 | HH | 174694 | 1035618  | 4.80%   | 0.087% |
| 557                                | 21.828 | 21.820 | 21.881 | HH | 176140 | 6293746  | 29.17%  | 0.529% |
| Sum of corrected areas: 1189985530 |        |        |        |    |        |          |         |        |

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