

Instrument :  
FID\_G  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-12C

rteres

# Area Percent Report

Manual Integrations  
APPROVED

Sohil  
8/11/2018 10:50:22 AM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG081018\  
Data File : FG002057.D  
Signal(s) : FID1A.ch  
Acq On : 10 Aug 2018 22:27  
Sample : J4409-13 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG073018.M  
Title :

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         | 2.146       | 2.105        | 2.159      | BH       | 181            | 2172         | 0.03%          | 0.001%        |
| 2         | 2.164       | 2.159        | 2.181      | HH       | 89             | 458          | 0.01%          | 0.000%        |
| 3         | 2.195       | 2.181        | 2.206      | HH       | 69             | 424          | 0.01%          | 0.000%        |
| 4         | 2.254       | 2.206        | 2.283      | PH       | 63             | 877          | 0.01%          | 0.001%        |
| 5         | 2.301       | 2.283        | 2.311      | PH       | 48             | 511          | 0.01%          | 0.000%        |
| 6         | 2.326       | 2.311        | 2.357      | PH       | 159            | 2555         | 0.04%          | 0.002%        |
| 7         | 2.373       | 2.357        | 2.390      | PH       | 120            | 1709         | 0.03%          | 0.001%        |
| 8         | 2.408       | 2.390        | 2.445      | PH       | 142            | 1691         | 0.03%          | 0.001%        |
| 9         | 2.452       | 2.445        | 2.458      | HH       | 58             | 194          | 0.00%          | 0.000%        |
| 10        | 2.465       | 2.458        | 2.475      | HH       | 22             | 92           | 0.00%          | 0.000%        |
| 11        | 2.499       | 2.475        | 2.531      | PH       | 68             | 708          | 0.01%          | 0.000%        |
| 12        | 2.539       | 2.531        | 2.546      | PH       | 55             | 82           | 0.00%          | 0.000%        |
| 13        | 2.552       | 2.546        | 2.572      | PH       | 34             | -252         | -0.00%         | -0.000%       |
| 14        | 2.596       | 2.572        | 2.663      | PH       | 841            | 10554        | 0.16%          | 0.007%        |
| 15        | 2.696       | 2.663        | 2.785      | PH       | 733            | 29860        | 0.45%          | 0.019%        |
| 16        | 2.794       | 2.785        | 2.848      | HH       | 296            | 6062         | 0.09%          | 0.004%        |
| 17        | 2.862       | 2.848        | 2.888      | HH       | 254            | 4076         | 0.06%          | 0.003%        |
| 18        | 2.903       | 2.888        | 2.931      | HH       | 344            | 4795         | 0.07%          | 0.003%        |
| 19        | 2.964       | 2.931        | 3.008      | HH       | 164            | 4555         | 0.07%          | 0.003%        |
| 20        | 3.016       | 3.008        | 3.031      | HH       | 68             | 399          | 0.01%          | 0.000%        |
| 21        | 3.063       | 3.031        | 3.080      | HH       | 101            | 1529         | 0.02%          | 0.001%        |
| 22        | 3.103       | 3.080        | 3.128      | HH       | 192            | 2765         | 0.04%          | 0.002%        |
| 23        | 3.155       | 3.128        | 3.229      | HH       | 227            | 2740         | 0.04%          | 0.002%        |
| 24        | 3.250       | 3.229        | 3.288      | PH       | 82             | -15          | -0.00%         | -0.000%       |
| 25        | 3.301       | 3.288        | 3.378      | PH       | 80             | 726          | 0.01%          | 0.000%        |
| 26        | 3.413       | 3.378        | 3.431      | PH       | 71             | 82           | 0.00%          | 0.000%        |
| 27        | 3.448       | 3.431        | 3.472      | PH       | 134            | 1295         | 0.02%          | 0.001%        |
| 28        | 3.480       | 3.472        | 3.504      | PH       | 55             | 69           | 0.00%          | 0.000%        |
| 29        | 3.529       | 3.504        | 3.539      | PH       | 100            | 489          | 0.01%          | 0.000%        |
| 30        | 3.571       | 3.539        | 3.625      | PH       | 139            | 2619         | 0.04%          | 0.002%        |
| 31        | 3.644       | 3.625        | 3.703      | PH       | 285            | 7493         | 0.11%          | 0.005%        |
| 32        | 3.724       | 3.703        | 3.772      | PH       | 94             | 899          | 0.01%          | 0.001%        |
| 33        | 3.816       | 3.772        | 3.823      | PH       | 159            | 817          | 0.01%          | 0.001%        |
| 34        | 3.847       | 3.823        | 3.961      | HH       | 4445           | 144892       | 2.19%          | 0.091%        |
| 35        | 3.978       | 3.961        | 4.045      | HH       | 960            | 30956        | 0.47%          | 0.019%        |
| 36        | 4.055       | 4.045        | 4.115      | HH       | 435            | 15028        | 0.23%          | 0.009%        |

|    |       |       |       |    | retention |        |        |         |  |
|----|-------|-------|-------|----|-----------|--------|--------|---------|--|
| 37 | 4.118 | 4.115 | 4.129 | HH | 440       | 2397   | 0.04%  | 0.002%  |  |
| 38 | 4.137 | 4.129 | 4.147 | HH | 242       | 2427   | 0.04%  | 0.002%  |  |
| 39 | 4.166 | 4.147 | 4.200 | HH | 353       | 8047   | 0.12%  | 0.005%  |  |
| 40 | 4.217 | 4.200 | 4.245 | HH | 385       | 6534   | 0.10%  | 0.004%  |  |
| 41 | 4.251 | 4.245 | 4.268 | HH | 205       | 1981   | 0.03%  | 0.001%  |  |
| 42 | 4.299 | 4.268 | 4.303 | HH | 162       | 2776   | 0.04%  | 0.002%  |  |
| 43 | 4.317 | 4.303 | 4.338 | HH | 213       | 3593   | 0.05%  | 0.002%  |  |
| 44 | 4.365 | 4.338 | 4.410 | HH | 1480      | 24065  | 0.36%  | 0.015%  |  |
| 45 | 4.427 | 4.410 | 4.549 | HH | 719       | 12834  | 0.19%  | 0.008%  |  |
| 46 | 4.566 | 4.549 | 4.601 | PH | 187       | 2057   | 0.03%  | 0.001%  |  |
| 47 | 4.632 | 4.601 | 4.650 | PH | 248       | 3711   | 0.06%  | 0.002%  |  |
| 48 | 4.672 | 4.650 | 4.725 | HH | 240       | 3489   | 0.05%  | 0.002%  |  |
| 49 | 4.739 | 4.725 | 4.779 | PH | 27        | -1165  | -0.02% | -0.001% |  |
| 50 | 4.811 | 4.779 | 4.840 | PH | 138       | 95     | 0.00%  | 0.000%  |  |
| 51 | 4.851 | 4.840 | 4.880 | PH | 67        | 16     | 0.00%  | 0.000%  |  |
| 52 | 4.898 | 4.880 | 4.915 | PH | 142       | 1026   | 0.02%  | 0.001%  |  |
| 53 | 4.927 | 4.915 | 4.985 | PH | 103       | -720   | -0.01% | -0.000% |  |
| 54 | 5.020 | 4.985 | 5.038 | PH | 64        | -1504  | -0.02% | -0.001% |  |
| 55 | 5.085 | 5.038 | 5.119 | PH | 195       | 1941   | 0.03%  | 0.001%  |  |
| 56 | 5.129 | 5.119 | 5.163 | PH | 21        | -928   | -0.01% | -0.001% |  |
| 57 | 5.171 | 5.163 | 5.181 | PH | -63       | -1064  | -0.02% | -0.001% |  |
| 58 | 5.185 | 5.181 | 5.231 | PH | -62       | -2841  | -0.04% | -0.002% |  |
| 59 | 5.250 | 5.231 | 5.278 | PH | 220       | 1878   | 0.03%  | 0.001%  |  |
| 60 | 5.282 | 5.278 | 5.361 | HH | 62        | -2048  | -0.03% | -0.001% |  |
| 61 | 5.367 | 5.361 | 5.397 | PH | -68       | -2057  | -0.03% | -0.001% |  |
| 62 | 5.433 | 5.397 | 5.469 | PH | 269       | 1      | 0.00%  | 0.000%  |  |
| 63 | 5.523 | 5.469 | 5.536 | PH | 341       | 4188   | 0.06%  | 0.003%  |  |
| 64 | 5.546 | 5.536 | 5.605 | HH | 302       | 2960   | 0.04%  | 0.002%  |  |
| 65 | 5.611 | 5.605 | 5.641 | PH | 17        | -1659  | -0.03% | -0.001% |  |
| 66 | 5.697 | 5.641 | 5.726 | PH | 22        | -2476  | -0.04% | -0.002% |  |
| 67 | 5.752 | 5.726 | 5.767 | PH | 42        | -493   | -0.01% | -0.000% |  |
| 68 | 5.792 | 5.767 | 5.907 | PH | 8957      | 141768 | 2.14%  | 0.089%  |  |
| 69 | 5.951 | 5.907 | 5.991 | HH | 508       | 13282  | 0.20%  | 0.008%  |  |
| 70 | 6.025 | 5.991 | 6.045 | HH | 257       | 5150   | 0.08%  | 0.003%  |  |
| 71 | 6.055 | 6.045 | 6.067 | HH | 189       | 2084   | 0.03%  | 0.001%  |  |
| 72 | 6.231 | 6.067 | 6.323 | HH | 847       | 63343  | 0.96%  | 0.040%  |  |
| 73 | 6.341 | 6.323 | 6.355 | HH | 267       | 4031   | 0.06%  | 0.003%  |  |
| 74 | 6.374 | 6.355 | 6.471 | HH | 432       | 12103  | 0.18%  | 0.008%  |  |
| 75 | 6.497 | 6.471 | 6.523 | PH | 232       | 2834   | 0.04%  | 0.002%  |  |
| 76 | 6.547 | 6.523 | 6.565 | PH | 125       | 1569   | 0.02%  | 0.001%  |  |
| 77 | 6.572 | 6.565 | 6.581 | HH | 98        | 757    | 0.01%  | 0.000%  |  |
| 78 | 6.598 | 6.581 | 6.615 | HH | 204       | 2660   | 0.04%  | 0.002%  |  |
| 79 | 6.621 | 6.615 | 6.640 | HH | 153       | 1428   | 0.02%  | 0.001%  |  |
| 80 | 6.667 | 6.640 | 6.695 | PH | 81        | 759    | 0.01%  | 0.000%  |  |
| 81 | 6.708 | 6.695 | 6.720 | PH | -26       | -767   | -0.01% | -0.000% |  |
| 82 | 6.752 | 6.720 | 6.761 | PH | 243       | 1664   | 0.03%  | 0.001%  |  |
| 83 | 6.783 | 6.761 | 6.809 | HH | 236       | 4509   | 0.07%  | 0.003%  |  |
| 84 | 6.848 | 6.809 | 6.898 | HH | 2022      | 38090  | 0.58%  | 0.024%  |  |
| 85 | 6.926 | 6.898 | 6.957 | HH | 1048      | 23510  | 0.36%  | 0.015%  |  |
| 86 | 6.978 | 6.957 | 7.079 | HH | 1945      | 38328  | 0.58%  | 0.024%  |  |
| 87 | 7.087 | 7.079 | 7.127 | HH | 68        | 1565   | 0.02%  | 0.001%  |  |
| 88 | 7.149 | 7.127 | 7.169 | HH | 347       | 4049   | 0.06%  | 0.003%  |  |
| 89 | 7.203 | 7.169 | 7.265 | PH | 228       | 4247   | 0.06%  | 0.003%  |  |

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|     |        |        |        |    |       |        |        |         |
|-----|--------|--------|--------|----|-------|--------|--------|---------|
| 90  | 7.273  | 7.265  | 7.290  | PH | -16   | -526   | -0.01% | -0.000% |
| 91  | 7.315  | 7.290  | 7.357  | PH | 200   | 242    | 0.00%  | 0.000%  |
| 92  | 7.370  | 7.357  | 7.387  | PH | -26   | -1475  | -0.02% | -0.001% |
| 93  | 7.425  | 7.387  | 7.458  | PH | 579   | 3079   | 0.05%  | 0.002%  |
| 94  | 7.475  | 7.458  | 7.492  | PH | -13   | -764   | -0.01% | -0.000% |
| 95  | 7.507  | 7.492  | 7.521  | PH | 2     | -761   | -0.01% | -0.000% |
| 96  | 7.575  | 7.521  | 7.648  | PH | 1215  | 42051  | 0.64%  | 0.026%  |
| 97  | 7.663  | 7.648  | 7.678  | HH | 264   | 4108   | 0.06%  | 0.003%  |
| 98  | 7.731  | 7.678  | 7.748  | HH | 2359  | 42232  | 0.64%  | 0.026%  |
| 99  | 7.763  | 7.748  | 7.801  | HH | 1398  | 31195  | 0.47%  | 0.020%  |
| 100 | 7.837  | 7.801  | 7.876  | HH | 1926  | 49321  | 0.75%  | 0.031%  |
| 101 | 7.902  | 7.876  | 7.918  | HH | 2966  | 47030  | 0.71%  | 0.030%  |
| 102 | 7.935  | 7.918  | 7.985  | HH | 3823  | 83163  | 1.26%  | 0.052%  |
| 103 | 8.012  | 7.985  | 8.037  | HH | 2357  | 54873  | 0.83%  | 0.034%  |
| 104 | 8.077  | 8.037  | 8.104  | HH | 30849 | 432911 | 6.55%  | 0.272%  |
| 105 | 8.118  | 8.104  | 8.191  | HH | 7155  | 192759 | 2.91%  | 0.121%  |
| 106 | 8.208  | 8.191  | 8.238  | HH | 2135  | 40486  | 0.61%  | 0.025%  |
| 107 | 8.252  | 8.238  | 8.276  | HH | 867   | 17503  | 0.26%  | 0.011%  |
| 108 | 8.285  | 8.276  | 8.321  | HH | 584   | 13148  | 0.20%  | 0.008%  |
| 109 | 8.410  | 8.321  | 8.450  | HH | 28682 | 378979 | 5.73%  | 0.238%  |
| 110 | 8.465  | 8.450  | 8.515  | HH | 2432  | 61247  | 0.93%  | 0.038%  |
| 111 | 8.539  | 8.515  | 8.590  | HH | 1833  | 54530  | 0.82%  | 0.034%  |
| 112 | 8.604  | 8.590  | 8.618  | HH | 853   | 12680  | 0.19%  | 0.008%  |
| 113 | 8.652  | 8.618  | 8.673  | HH | 3740  | 65816  | 1.00%  | 0.041%  |
| 114 | 8.691  | 8.673  | 8.709  | HH | 2875  | 46382  | 0.70%  | 0.029%  |
| 115 | 8.738  | 8.709  | 8.767  | HH | 2868  | 77009  | 1.16%  | 0.048%  |
| 116 | 8.786  | 8.767  | 8.808  | HH | 1615  | 36050  | 0.55%  | 0.023%  |
| 117 | 8.828  | 8.808  | 8.849  | HH | 2165  | 45311  | 0.69%  | 0.028%  |
| 118 | 8.864  | 8.849  | 8.915  | HH | 2651  | 62421  | 0.94%  | 0.039%  |
| 119 | 8.929  | 8.915  | 8.946  | HH | 1060  | 18498  | 0.28%  | 0.012%  |
| 120 | 8.975  | 8.946  | 8.998  | HH | 3672  | 73776  | 1.12%  | 0.046%  |
| 121 | 9.011  | 8.998  | 9.038  | HH | 2678  | 48583  | 0.73%  | 0.030%  |
| 122 | 9.063  | 9.038  | 9.084  | HH | 3321  | 60677  | 0.92%  | 0.038%  |
| 123 | 9.114  | 9.084  | 9.136  | HH | 2698  | 61286  | 0.93%  | 0.038%  |
| 124 | 9.155  | 9.136  | 9.170  | HH | 2342  | 36060  | 0.55%  | 0.023%  |
| 125 | 9.196  | 9.170  | 9.251  | HH | 19447 | 318073 | 4.81%  | 0.200%  |
| 126 | 9.274  | 9.251  | 9.291  | HH | 3905  | 64153  | 0.97%  | 0.040%  |
| 127 | 9.316  | 9.291  | 9.327  | HH | 4280  | 66050  | 1.00%  | 0.041%  |
| 128 | 9.346  | 9.327  | 9.383  | HH | 7726  | 142763 | 2.16%  | 0.090%  |
| 129 | 9.406  | 9.383  | 9.433  | HH | 6990  | 119861 | 1.81%  | 0.075%  |
| 130 | 9.445  | 9.433  | 9.465  | HH | 2189  | 37628  | 0.57%  | 0.024%  |
| 131 | 9.478  | 9.465  | 9.498  | HH | 1761  | 32613  | 0.49%  | 0.020%  |
| 132 | 9.519  | 9.498  | 9.548  | HH | 5558  | 95804  | 1.45%  | 0.060%  |
| 133 | 9.569  | 9.548  | 9.593  | HH | 3289  | 64138  | 0.97%  | 0.040%  |
| 134 | 9.620  | 9.593  | 9.743  | HH | 8308  | 288834 | 4.37%  | 0.181%  |
| 135 | 9.785  | 9.743  | 9.805  | HH | 1834  | 52666  | 0.80%  | 0.033%  |
| 136 | 9.817  | 9.805  | 9.860  | HH | 1423  | 36127  | 0.55%  | 0.023%  |
| 137 | 9.890  | 9.860  | 9.921  | HH | 1453  | 43512  | 0.66%  | 0.027%  |
| 138 | 9.942  | 9.921  | 9.975  | HH | 1974  | 47040  | 0.71%  | 0.030%  |
| 139 | 10.078 | 9.975  | 10.101 | HH | 8316  | 232223 | 3.51%  | 0.146%  |
| 140 | 10.117 | 10.101 | 10.158 | HH | 4482  | 97909  | 1.48%  | 0.061%  |
| 141 | 10.194 | 10.158 | 10.223 | HH | 5228  | 119518 | 1.81%  | 0.075%  |

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Manual Integrations  
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| rteres |        |        |        |    |       |         |        |        |  |
|--------|--------|--------|--------|----|-------|---------|--------|--------|--|
| 142    | 10.257 | 10.223 | 10.300 | HH | 3260  | 125568  | 1.90%  | 0.079% |  |
| 143    | 10.362 | 10.300 | 10.377 | HH | 6080  | 154209  | 2.33%  | 0.097% |  |
| 144    | 10.400 | 10.377 | 10.438 | HH | 9384  | 200745  | 3.04%  | 0.126% |  |
| 145    | 10.454 | 10.438 | 10.477 | HH | 2848  | 61495   | 0.93%  | 0.039% |  |
| 146    | 10.497 | 10.477 | 10.509 | HH | 3602  | 57903   | 0.88%  | 0.036% |  |
| 147    | 10.525 | 10.509 | 10.548 | HH | 4049  | 76220   | 1.15%  | 0.048% |  |
| 148    | 10.593 | 10.548 | 10.645 | HH | 45508 | 678374  | 10.26% | 0.426% |  |
| 149    | 10.670 | 10.645 | 10.691 | HH | 28527 | 372194  | 5.63%  | 0.234% |  |
| 150    | 10.707 | 10.691 | 10.798 | HH | 15840 | 367624  | 5.56%  | 0.231% |  |
| 151    | 10.807 | 10.798 | 10.835 | HH | 2293  | 45734   | 0.69%  | 0.029% |  |
| 152    | 10.856 | 10.835 | 10.878 | HH | 3027  | 63464   | 0.96%  | 0.040% |  |
| 153    | 10.904 | 10.878 | 10.951 | HH | 5299  | 147300  | 2.23%  | 0.092% |  |
| 154    | 10.962 | 10.951 | 10.977 | HH | 2586  | 39541   | 0.60%  | 0.025% |  |
| 155    | 10.991 | 10.977 | 11.012 | HH | 2639  | 48376   | 0.73%  | 0.030% |  |
| 156    | 11.026 | 11.012 | 11.041 | HH | 2318  | 37690   | 0.57%  | 0.024% |  |
| 157    | 11.100 | 11.041 | 11.112 | HH | 4059  | 143881  | 2.18%  | 0.090% |  |
| 158    | 11.130 | 11.112 | 11.175 | HH | 5216  | 130190  | 1.97%  | 0.082% |  |
| 159    | 11.197 | 11.175 | 11.228 | HH | 3719  | 98984   | 1.50%  | 0.062% |  |
| 160    | 11.250 | 11.228 | 11.271 | HH | 3380  | 72211   | 1.09%  | 0.045% |  |
| 161    | 11.297 | 11.271 | 11.316 | HH | 3022  | 69373   | 1.05%  | 0.044% |  |
| 162    | 11.325 | 11.316 | 11.338 | HH | 2453  | 31490   | 0.48%  | 0.020% |  |
| 163    | 11.357 | 11.338 | 11.375 | HH | 5086  | 85840   | 1.30%  | 0.054% |  |
| 164    | 11.397 | 11.375 | 11.413 | HH | 10489 | 155258  | 2.35%  | 0.097% |  |
| 165    | 11.430 | 11.413 | 11.466 | HH | 10322 | 191702  | 2.90%  | 0.120% |  |
| 166    | 11.509 | 11.466 | 11.531 | HH | 22357 | 405471  | 6.13%  | 0.254% |  |
| 167    | 11.547 | 11.531 | 11.559 | HH | 9389  | 130442  | 1.97%  | 0.082% |  |
| 168    | 11.575 | 11.559 | 11.620 | HH | 12320 | 230505  | 3.49%  | 0.145% |  |
| 169    | 11.672 | 11.620 | 11.708 | HH | 4522  | 183121  | 2.77%  | 0.115% |  |
| 170    | 11.730 | 11.708 | 11.755 | HH | 3960  | 93883   | 1.42%  | 0.059% |  |
| 171    | 11.782 | 11.755 | 11.803 | HH | 4847  | 111167  | 1.68%  | 0.070% |  |
| 172    | 11.813 | 11.803 | 11.831 | HH | 4016  | 62821   | 0.95%  | 0.039% |  |
| 173    | 11.842 | 11.831 | 11.850 | HH | 3387  | 36967   | 0.56%  | 0.023% |  |
| 174    | 11.876 | 11.850 | 11.905 | HH | 8686  | 173247  | 2.62%  | 0.109% |  |
| 175    | 11.922 | 11.905 | 11.944 | HH | 3592  | 81127   | 1.23%  | 0.051% |  |
| 176    | 11.955 | 11.944 | 11.973 | HH | 3438  | 58418   | 0.88%  | 0.037% |  |
| 177    | 11.995 | 11.973 | 12.008 | HH | 4799  | 82465   | 1.25%  | 0.052% |  |
| 178    | 12.019 | 12.008 | 12.041 | HH | 4601  | 78746   | 1.19%  | 0.049% |  |
| 179    | 12.068 | 12.041 | 12.091 | HH | 4397  | 107911  | 1.63%  | 0.068% |  |
| 180    | 12.122 | 12.091 | 12.135 | HH | 4675  | 105093  | 1.59%  | 0.066% |  |
| 181    | 12.169 | 12.135 | 12.234 | HH | 6788  | 286355  | 4.33%  | 0.180% |  |
| 182    | 12.297 | 12.234 | 12.316 | HH | 8341  | 277236  | 4.19%  | 0.174% |  |
| 183    | 12.333 | 12.316 | 12.347 | HH | 6869  | 116023  | 1.75%  | 0.073% |  |
| 184    | 12.361 | 12.347 | 12.384 | HH | 7066  | 130738  | 1.98%  | 0.082% |  |
| 185    | 12.413 | 12.384 | 12.466 | HH | 74227 | 1067616 | 16.14% | 0.670% |  |
| 186    | 12.488 | 12.466 | 12.502 | HH | 5386  | 104398  | 1.58%  | 0.065% |  |
| 187    | 12.552 | 12.502 | 12.579 | HH | 13163 | 327619  | 4.95%  | 0.206% |  |
| 188    | 12.597 | 12.579 | 12.623 | HH | 7951  | 164931  | 2.49%  | 0.103% |  |
| 189    | 12.655 | 12.623 | 12.679 | HH | 6619  | 181559  | 2.75%  | 0.114% |  |
| 190    | 12.708 | 12.679 | 12.750 | HH | 66354 | 924877  | 13.99% | 0.580% |  |
| 191    | 12.767 | 12.750 | 12.786 | HH | 11465 | 188163  | 2.85%  | 0.118% |  |
| 192    | 12.804 | 12.786 | 12.839 | HH | 10078 | 228792  | 3.46%  | 0.144% |  |
| 193    | 12.886 | 12.839 | 12.904 | HH | 6427  | 207039  | 3.13%  | 0.130% |  |
| 194    | 12.926 | 12.904 | 12.953 | HH | 7497  | 174697  | 2.64%  | 0.110% |  |

Instrument :  
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Manual Integrations  
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| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 195    | 12.984 | 12.953 | 13.031 | HH | 7497  | 270245  | 4.09%  | 0.170% |
| 196    | 13.041 | 13.031 | 13.055 | HH | 5353  | 74575   | 1.13%  | 0.047% |
| 197    | 13.070 | 13.055 | 13.089 | HH | 5549  | 104357  | 1.58%  | 0.065% |
| 198    | 13.111 | 13.089 | 13.146 | HH | 6089  | 182282  | 2.76%  | 0.114% |
| 199    | 13.174 | 13.146 | 13.229 | HH | 8887  | 302681  | 4.58%  | 0.190% |
| 200    | 13.249 | 13.229 | 13.257 | HH | 4969  | 82175   | 1.24%  | 0.052% |
| 201    | 13.303 | 13.257 | 13.346 | HH | 14760 | 435213  | 6.58%  | 0.273% |
| 202    | 13.367 | 13.346 | 13.384 | HH | 6001  | 125892  | 1.90%  | 0.079% |
| 203    | 13.409 | 13.384 | 13.433 | HH | 18139 | 328064  | 4.96%  | 0.206% |
| 204    | 13.447 | 13.433 | 13.501 | HH | 9591  | 294523  | 4.45%  | 0.185% |
| 205    | 13.575 | 13.501 | 13.598 | HH | 9297  | 423357  | 6.40%  | 0.266% |
| 206    | 13.618 | 13.598 | 13.691 | HH | 9034  | 372593  | 5.63%  | 0.234% |
| 207    | 13.700 | 13.691 | 13.723 | HH | 5797  | 107601  | 1.63%  | 0.068% |
| 208    | 13.739 | 13.723 | 13.758 | HH | 5552  | 113670  | 1.72%  | 0.071% |
| 209    | 13.788 | 13.758 | 13.820 | HH | 6164  | 215119  | 3.25%  | 0.135% |
| 210    | 13.831 | 13.820 | 13.845 | HH | 5742  | 82667   | 1.25%  | 0.052% |
| 211    | 13.888 | 13.845 | 13.901 | HH | 6103  | 197596  | 2.99%  | 0.124% |
| 212    | 13.904 | 13.901 | 13.920 | HH | 6048  | 65431   | 0.99%  | 0.041% |
| 213    | 13.957 | 13.920 | 13.979 | HH | 6978  | 229670  | 3.47%  | 0.144% |
| 214    | 14.010 | 13.979 | 14.028 | HH | 7678  | 207968  | 3.14%  | 0.130% |
| 215    | 14.047 | 14.028 | 14.074 | HH | 7147  | 187324  | 2.83%  | 0.118% |
| 216    | 14.121 | 14.074 | 14.161 | HH | 8429  | 381826  | 5.77%  | 0.240% |
| 217    | 14.174 | 14.161 | 14.189 | HH | 6729  | 109564  | 1.66%  | 0.069% |
| 218    | 14.220 | 14.189 | 14.248 | HH | 8935  | 275969  | 4.17%  | 0.173% |
| 219    | 14.277 | 14.248 | 14.309 | HH | 12451 | 343912  | 5.20%  | 0.216% |
| 220    | 14.328 | 14.309 | 14.382 | HH | 8478  | 338403  | 5.12%  | 0.212% |
| 221    | 14.402 | 14.382 | 14.417 | HH | 7216  | 145285  | 2.20%  | 0.091% |
| 222    | 14.460 | 14.417 | 14.521 | HH | 64747 | 1233036 | 18.65% | 0.774% |
| 223    | 14.548 | 14.521 | 14.569 | HH | 16276 | 331688  | 5.02%  | 0.208% |
| 224    | 14.592 | 14.569 | 14.612 | HH | 26350 | 464073  | 7.02%  | 0.291% |
| 225    | 14.632 | 14.612 | 14.695 | HH | 28698 | 696443  | 10.53% | 0.437% |
| 226    | 14.712 | 14.695 | 14.721 | HH | 7780  | 123075  | 1.86%  | 0.077% |
| 227    | 14.752 | 14.721 | 14.833 | HH | 13479 | 657621  | 9.94%  | 0.413% |
| 228    | 14.856 | 14.833 | 14.881 | HH | 9273  | 239334  | 3.62%  | 0.150% |
| 229    | 14.910 | 14.881 | 14.982 | HH | 9825  | 528827  | 8.00%  | 0.332% |
| 230    | 15.050 | 14.982 | 15.124 | HH | 27148 | 1104582 | 16.70% | 0.693% |
| 231    | 15.135 | 15.124 | 15.147 | HH | 8451  | 114093  | 1.73%  | 0.072% |
| 232    | 15.184 | 15.147 | 15.207 | HH | 10184 | 330897  | 5.00%  | 0.208% |
| 233    | 15.266 | 15.207 | 15.289 | HH | 13429 | 535306  | 8.09%  | 0.336% |
| 234    | 15.304 | 15.289 | 15.335 | HH | 10459 | 268678  | 4.06%  | 0.169% |
| 235    | 15.352 | 15.335 | 15.383 | HH | 10251 | 278965  | 4.22%  | 0.175% |
| 236    | 15.429 | 15.383 | 15.475 | HH | 12590 | 589258  | 8.91%  | 0.370% |
| 237    | 15.504 | 15.475 | 15.538 | HH | 10391 | 372006  | 5.63%  | 0.233% |
| 238    | 15.586 | 15.538 | 15.616 | HH | 10243 | 455029  | 6.88%  | 0.285% |
| 239    | 15.683 | 15.616 | 15.720 | HH | 11662 | 625274  | 9.46%  | 0.392% |
| 240    | 15.738 | 15.720 | 15.757 | HH | 9800  | 211184  | 3.19%  | 0.132% |
| 241    | 15.770 | 15.757 | 15.790 | HH | 9602  | 187676  | 2.84%  | 0.118% |
| 242    | 15.829 | 15.790 | 15.845 | HH | 9593  | 308610  | 4.67%  | 0.194% |
| 243    | 15.865 | 15.845 | 15.890 | HH | 10595 | 275660  | 4.17%  | 0.173% |
| 244    | 15.910 | 15.890 | 15.925 | HH | 10333 | 213990  | 3.24%  | 0.134% |
| 245    | 15.969 | 15.925 | 16.000 | HH | 13541 | 518809  | 7.85%  | 0.325% |
| 246    | 16.065 | 16.000 | 16.124 | HH | 24541 | 1118963 | 16.92% | 0.702% |

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| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 247    | 16.156 | 16.124 | 16.218 | HH | 31724 | 1084254 | 16.40% | 0.680% |
| 248    | 16.233 | 16.218 | 16.259 | HH | 12902 | 311849  | 4.72%  | 0.196% |
| 249    | 16.287 | 16.259 | 16.310 | HH | 17488 | 452775  | 6.85%  | 0.284% |
| 250    | 16.319 | 16.310 | 16.367 | HH | 13984 | 456463  | 6.90%  | 0.286% |
| 251    | 16.380 | 16.367 | 16.390 | HH | 12874 | 174253  | 2.64%  | 0.109% |
| 252    | 16.476 | 16.390 | 16.511 | HH | 25085 | 1161887 | 17.57% | 0.729% |
| 253    | 16.536 | 16.511 | 16.578 | HH | 39649 | 913448  | 13.81% | 0.573% |
| 254    | 16.594 | 16.578 | 16.606 | HH | 14101 | 235615  | 3.56%  | 0.148% |
| 255    | 16.637 | 16.606 | 16.668 | HH | 22111 | 628604  | 9.51%  | 0.394% |
| 256    | 16.709 | 16.668 | 16.731 | HH | 14940 | 550380  | 8.32%  | 0.345% |
| 257    | 16.787 | 16.731 | 16.821 | HH | 15637 | 821982  | 12.43% | 0.516% |
| 258    | 16.855 | 16.821 | 16.878 | HH | 17089 | 547506  | 8.28%  | 0.343% |
| 259    | 16.904 | 16.878 | 16.933 | HH | 18576 | 597603  | 9.04%  | 0.375% |
| 260    | 16.953 | 16.933 | 16.976 | HH | 19152 | 472373  | 7.14%  | 0.296% |
| 261    | 17.011 | 16.976 | 17.052 | HH | 25607 | 977958  | 14.79% | 0.614% |
| 262    | 17.084 | 17.052 | 17.115 | HH | 25483 | 804985  | 12.17% | 0.505% |
| 263    | 17.129 | 17.115 | 17.143 | HH | 18821 | 310006  | 4.69%  | 0.194% |
| 264    | 17.162 | 17.143 | 17.171 | HH | 18719 | 319565  | 4.83%  | 0.200% |
| 265    | 17.196 | 17.171 | 17.222 | HH | 20071 | 583115  | 8.82%  | 0.366% |
| 266    | 17.237 | 17.222 | 17.278 | HH | 18794 | 621407  | 9.40%  | 0.390% |
| 267    | 17.318 | 17.278 | 17.361 | HH | 19150 | 924804  | 13.98% | 0.580% |
| 268    | 17.436 | 17.361 | 17.461 | HH | 24888 | 1236809 | 18.70% | 0.776% |
| 269    | 17.522 | 17.461 | 17.561 | HH | 30113 | 1393156 | 21.07% | 0.874% |
| 270    | 17.644 | 17.561 | 17.665 | HH | 24945 | 1433813 | 21.68% | 0.900% |
| 271    | 17.679 | 17.665 | 17.698 | HH | 24129 | 481232  | 7.28%  | 0.302% |
| 272    | 17.732 | 17.698 | 17.788 | HH | 26189 | 1323579 | 20.02% | 0.830% |
| 273    | 17.823 | 17.788 | 17.861 | HH | 27679 | 1135477 | 17.17% | 0.712% |
| 274    | 17.915 | 17.861 | 17.930 | HH | 38258 | 1375798 | 20.80% | 0.863% |
| 275    | 17.945 | 17.930 | 17.981 | HH | 37995 | 950213  | 14.37% | 0.596% |
| 276    | 18.011 | 17.981 | 18.029 | HH | 26602 | 732591  | 11.08% | 0.460% |
| 277    | 18.049 | 18.029 | 18.063 | HH | 27584 | 548836  | 8.30%  | 0.344% |
| 278    | 18.079 | 18.063 | 18.096 | HH | 27785 | 540346  | 8.17%  | 0.339% |
| 279    | 18.111 | 18.096 | 18.134 | HH | 26666 | 604207  | 9.14%  | 0.379% |
| 280    | 18.170 | 18.134 | 18.195 | HH | 34849 | 1070895 | 16.19% | 0.672% |
| 281    | 18.220 | 18.195 | 18.245 | HH | 29816 | 860239  | 13.01% | 0.540% |
| 282    | 18.307 | 18.245 | 18.325 | HH | 33059 | 1448539 | 21.90% | 0.909% |
| 283    | 18.353 | 18.325 | 18.401 | HH | 44301 | 1547535 | 23.40% | 0.971% |
| 284    | 18.481 | 18.401 | 18.502 | HH | 36543 | 1915587 | 28.97% | 1.202% |
| 285    | 18.510 | 18.502 | 18.544 | HH | 32919 | 791622  | 11.97% | 0.497% |
| 286    | 18.561 | 18.544 | 18.578 | HH | 30720 | 621251  | 9.39%  | 0.390% |
| 287    | 18.611 | 18.578 | 18.638 | HH | 35823 | 1200939 | 18.16% | 0.753% |
| 288    | 18.656 | 18.638 | 18.669 | HH | 33468 | 619550  | 9.37%  | 0.389% |
| 289    | 18.712 | 18.669 | 18.732 | HH | 43940 | 1468454 | 22.21% | 0.921% |
| 290    | 18.751 | 18.732 | 18.791 | HH | 46261 | 1445680 | 21.86% | 0.907% |
| 291    | 18.863 | 18.791 | 18.898 | HH | 36102 | 2254519 | 34.09% | 1.414% |
| 292    | 19.032 | 18.898 | 19.086 | HH | 40473 | 4287833 | 64.84% | 2.690% |
| 293    | 19.140 | 19.086 | 19.171 | HH | 47609 | 2140462 | 32.37% | 1.343% |
| 294    | 19.194 | 19.171 | 19.210 | HH | 42055 | 958364  | 14.49% | 0.601% |
| 295    | 19.332 | 19.210 | 19.363 | HH | 49354 | 4208731 | 63.64% | 2.641% |
| 296    | 19.405 | 19.363 | 19.443 | HH | 52056 | 2356260 | 35.63% | 1.478% |
| 297    | 19.467 | 19.443 | 19.489 | HH | 53387 | 1416061 | 21.41% | 0.888% |
| 298    | 19.514 | 19.489 | 19.563 | HH | 52978 | 2162709 | 32.70% | 1.357% |
| 299    | 19.631 | 19.563 | 19.647 | HH | 49057 | 2396135 | 36.23% | 1.503% |

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| rteres                  |        |        |        |     |           |         |         |        |
|-------------------------|--------|--------|--------|-----|-----------|---------|---------|--------|
| 300                     | 19.660 | 19.647 | 19.677 | HH  | 48920     | 866998  | 13.11%  | 0.544% |
| 301                     | 19.719 | 19.677 | 19.743 | HH  | 54026     | 2053978 | 31.06%  | 1.289% |
| 302                     | 19.786 | 19.743 | 19.809 | HH  | 57103     | 2143208 | 32.41%  | 1.345% |
| 303                     | 19.821 | 19.809 | 19.830 | HH  | 53954     | 679148  | 10.27%  | 0.426% |
| 304                     | 19.879 | 19.830 | 19.915 | HH  | 58827     | 2850747 | 43.11%  | 1.789% |
| 305                     | 19.931 | 19.915 | 19.965 | HH  | 55016     | 1661822 | 25.13%  | 1.043% |
| 306                     | 19.986 | 19.965 | 19.994 | HH  | 55059     | 952201  | 14.40%  | 0.597% |
| 307                     | 20.036 | 19.994 | 20.055 | HH  | 56332     | 2003958 | 30.30%  | 1.257% |
| 308                     | 20.062 | 20.055 | 20.083 | HH  | 55297     | 947612  | 14.33%  | 0.595% |
| 309                     | 20.172 | 20.083 | 20.181 | HH  | 57056     | 3283852 | 49.66%  | 2.060% |
| 310                     | 20.241 | 20.181 | 20.272 | HH  | 61344     | 3185568 | 48.17%  | 1.999% |
| 311                     | 20.398 | 20.272 | 20.434 | HH  | 63535     | 5978789 | 90.41%  | 3.751% |
| 312                     | 20.462 | 20.434 | 20.494 | HH  | 62547     | 2249184 | 34.01%  | 1.411% |
| 313                     | 20.534 | 20.494 | 20.565 | HH  | 66102     | 2694647 | 40.75%  | 1.691% |
| 314                     | 20.592 | 20.565 | 20.651 | HH  | 65765     | 3302638 | 49.94%  | 2.072% |
| 315                     | 20.684 | 20.651 | 20.711 | HH  | 62998     | 2256517 | 34.12%  | 1.416% |
| 316                     | 20.761 | 20.711 | 20.774 | HH  | 64290     | 2413750 | 36.50%  | 1.514% |
| 317                     | 20.790 | 20.774 | 20.870 | HH  | 64275     | 3655141 | 55.27%  | 2.293% |
| 318                     | 20.898 | 20.870 | 20.923 | HH  | 63975     | 2013202 | 30.44%  | 1.263% |
| 319                     | 20.949 | 20.923 | 20.973 | HH  | 64632     | 1910154 | 28.89%  | 1.198% |
| 320                     | 20.983 | 20.973 | 21.031 | HH  | 64444     | 2221070 | 33.59%  | 1.393% |
| 321                     | 21.086 | 21.031 | 21.137 | HH  | 63602     | 3962796 | 59.93%  | 2.486% |
| 322                     | 21.150 | 21.137 | 21.215 | HH  | 62461     | 2889324 | 43.69%  | 1.813% |
| 323                     | 21.245 | 21.215 | 21.335 | HH  | 61286     | 4397052 | 66.49%  | 2.759% |
| 324                     | 21.390 | 21.335 | 21.501 | HHA | 79195     | 6612917 | 100.00% | 4.149% |
| Sum of corrected areas: |        |        |        |     | 159391085 |         |         |        |

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