

Instrument :  
FID\_D  
ClientSampleId :  
T-5

rteres

# Area Percent Report

Manual Integrations  
APPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD070921AL\  
Data File : FD038150.D  
Signal(s) : FID2B.CH  
Acq On : 09 Jul 2021 20:59  
Sample : M2981-05  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Alaphatic EPH 070621.M  
Title : GC Extractables

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.248       | 3.205        | 3.266      | BV       | 743236         | 10012073     | 2.96%          | 0.061%        |
| 2         | 3.277       | 3.266        | 3.309      | VV       | 192022         | 1820468      | 0.54%          | 0.011%        |
| 3         | 3.352       | 3.309        | 3.365      | PV       | 515510         | 5619922      | 1.66%          | 0.034%        |
| 4         | 3.377       | 3.365        | 3.394      | VV       | 374440         | 3915507      | 1.16%          | 0.024%        |
| 5         | 3.410       | 3.394        | 3.423      | VV       | 296894         | 3650329      | 1.08%          | 0.022%        |
| 6         | 3.436       | 3.423        | 3.453      | VV       | 330286         | 3812573      | 1.13%          | 0.023%        |
| 7         | 3.469       | 3.453        | 3.479      | VV       | 357392         | 3515761      | 1.04%          | 0.021%        |
| 8         | 3.496       | 3.479        | 3.531      | VV       | 1018818        | 15217854     | 4.51%          | 0.093%        |
| 9         | 3.562       | 3.531        | 3.591      | VV       | 499926         | 9779094      | 2.90%          | 0.060%        |
| 10        | 3.610       | 3.591        | 3.647      | VV       | 1338116        | 22231774     | 6.58%          | 0.135%        |
| 11        | 3.680       | 3.647        | 3.710      | VV       | 1092331        | 20951137     | 6.20%          | 0.128%        |
| 12        | 3.726       | 3.710        | 3.755      | VV       | 721832         | 10678234     | 3.16%          | 0.065%        |
| 13        | 3.771       | 3.755        | 3.789      | VV       | 718792         | 7315932      | 2.17%          | 0.045%        |
| 14        | 3.813       | 3.789        | 3.867      | VV       | 1475150        | 34866261     | 10.32%         | 0.212%        |
| 15        | 3.903       | 3.867        | 3.918      | VV       | 1405034        | 19828529     | 5.87%          | 0.121%        |
| 16        | 3.933       | 3.918        | 3.950      | VV       | 1053709        | 13917607     | 4.12%          | 0.085%        |
| 17        | 3.998       | 3.950        | 4.019      | VV       | 1264441        | 31585097     | 9.35%          | 0.192%        |
| 18        | 4.029       | 4.019        | 4.040      | VV       | 297297         | 3182178      | 0.94%          | 0.019%        |
| 19        | 4.060       | 4.040        | 4.071      | VV       | 1021065        | 11864866     | 3.51%          | 0.072%        |
| 20        | 4.083       | 4.071        | 4.094      | VV       | 1152401        | 12880373     | 3.81%          | 0.078%        |
| 21        | 4.110       | 4.094        | 4.133      | VV       | 1490133        | 21900123     | 6.48%          | 0.133%        |
| 22        | 4.144       | 4.133        | 4.180      | VV       | 651914         | 11817228     | 3.50%          | 0.072%        |
| 23        | 4.213       | 4.180        | 4.232      | VV       | 923470         | 15278118     | 4.52%          | 0.093%        |
| 24        | 4.254       | 4.232        | 4.276      | VV       | 991813         | 16620826     | 4.92%          | 0.101%        |
| 25        | 4.309       | 4.276        | 4.326      | VV       | 2171338        | 33713366     | 9.98%          | 0.205%        |
| 26        | 4.344       | 4.326        | 4.359      | VV       | 1863344        | 21722856     | 6.43%          | 0.132%        |
| 27        | 4.374       | 4.359        | 4.407      | VV       | 1340359        | 19481425     | 5.77%          | 0.119%        |
| 28        | 4.419       | 4.407        | 4.430      | VV       | 441973         | 5404427      | 1.60%          | 0.033%        |
| 29        | 4.469       | 4.430        | 4.484      | VV       | 1040609        | 24679521     | 7.31%          | 0.150%        |
| 30        | 4.501       | 4.484        | 4.547      | VV       | 1259702        | 36064838     | 10.68%         | 0.220%        |
| 31        | 4.573       | 4.547        | 4.603      | VV       | 2312551        | 47576244     | 14.09%         | 0.290%        |
| 32        | 4.623       | 4.603        | 4.665      | VV       | 1666533        | 47415033     | 14.04%         | 0.289%        |
| 33        | 4.690       | 4.665        | 4.706      | VV       | 2402594        | 38974620     | 11.54%         | 0.238%        |
| 34        | 4.725       | 4.706        | 4.750      | VV       | 1612471        | 33245784     | 9.84%          | 0.203%        |
| 35        | 4.773       | 4.750        | 4.814      | VV       | 3855355        | 76649446     | 22.70%         | 0.467%        |
| 36        | 4.837       | 4.814        | 4.853      | VV       | 2400849        | 33654108     | 9.96%          | 0.205%        |

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|--------|-------|-------|-------|----|---------|-----------|---------|--------|
| 37     | 4.868 | 4.853 | 4.888 | VV | 1309515 | 20371354  | 6.03%   | 0.124% |
| 38     | 4.954 | 4.888 | 4.979 | VV | 2481155 | 74557327  | 22.08%  | 0.454% |
| 39     | 5.000 | 4.979 | 5.014 | VV | 2958908 | 38692715  | 11.46%  | 0.236% |
| 40     | 5.033 | 5.014 | 5.046 | VV | 2657789 | 39032047  | 11.56%  | 0.238% |
| 41     | 5.059 | 5.046 | 5.095 | VV | 2261801 | 41496086  | 12.29%  | 0.253% |
| 42     | 5.111 | 5.095 | 5.122 | VV | 817120  | 11555774  | 3.42%   | 0.070% |
| 43     | 5.157 | 5.122 | 5.192 | VV | 1682567 | 56923193  | 16.85%  | 0.347% |
| 44     | 5.217 | 5.192 | 5.231 | VV | 2716350 | 45553564  | 13.49%  | 0.278% |
| 45     | 5.244 | 5.231 | 5.261 | VV | 2570970 | 36082473  | 10.68%  | 0.220% |
| 46     | 5.273 | 5.261 | 5.285 | VV | 1392512 | 18396147  | 5.45%   | 0.112% |
| 47     | 5.303 | 5.285 | 5.322 | VV | 1633031 | 29662998  | 8.78%   | 0.181% |
| 48     | 5.333 | 5.322 | 5.340 | VV | 1109899 | 11323537  | 3.35%   | 0.069% |
| 49     | 5.372 | 5.340 | 5.385 | VV | 6953670 | 106759828 | 31.61%  | 0.651% |
| 50     | 5.395 | 5.385 | 5.413 | VV | 5523451 | 58143185  | 17.22%  | 0.354% |
| 51     | 5.427 | 5.413 | 5.461 | VV | 1408333 | 31773316  | 9.41%   | 0.194% |
| 52     | 5.481 | 5.461 | 5.497 | VV | 1243207 | 22442285  | 6.65%   | 0.137% |
| 53     | 5.545 | 5.497 | 5.590 | VV | 4016428 | 108548543 | 32.14%  | 0.662% |
| 54     | 5.644 | 5.590 | 5.695 | VV | 4919082 | 166343827 | 49.25%  | 1.014% |
| 55     | 5.735 | 5.695 | 5.789 | VV | 3885008 | 133768956 | 39.61%  | 0.815% |
| 56     | 5.816 | 5.789 | 5.836 | VV | 2923045 | 56394189  | 16.70%  | 0.344% |
| 57     | 5.864 | 5.836 | 5.886 | VV | 3185745 | 65422996  | 19.37%  | 0.399% |
| 58     | 5.934 | 5.886 | 5.951 | VV | 2874650 | 85641402  | 25.36%  | 0.522% |
| 59     | 5.967 | 5.951 | 5.986 | VV | 3197409 | 49790012  | 14.74%  | 0.303% |
| 60     | 6.018 | 5.986 | 6.031 | VV | 2970073 | 56369830  | 16.69%  | 0.344% |
| 61     | 6.051 | 6.031 | 6.063 | VV | 3179577 | 52591230  | 15.57%  | 0.320% |
| 62     | 6.076 | 6.063 | 6.117 | VV | 3203751 | 88289309  | 26.14%  | 0.538% |
| 63     | 6.131 | 6.117 | 6.165 | VV | 3265207 | 73278329  | 21.70%  | 0.447% |
| 64     | 6.186 | 6.165 | 6.214 | VV | 3434836 | 72275484  | 21.40%  | 0.440% |
| 65     | 6.237 | 6.214 | 6.257 | VV | 2365692 | 49232721  | 14.58%  | 0.300% |
| 66     | 6.288 | 6.257 | 6.313 | VV | 4285760 | 101559380 | 30.07%  | 0.619% |
| 67     | 6.368 | 6.313 | 6.403 | VV | 7284756 | 200074208 | 59.24%  | 1.219% |
| 68     | 6.465 | 6.403 | 6.482 | VV | 3001965 | 99448507  | 29.45%  | 0.606% |
| 69     | 6.516 | 6.482 | 6.530 | VV | 5210881 | 100341311 | 29.71%  | 0.611% |
| 70     | 6.545 | 6.530 | 6.564 | VV | 3546426 | 56055960  | 16.60%  | 0.342% |
| 71     | 6.577 | 6.564 | 6.591 | VV | 2417427 | 34791377  | 10.30%  | 0.212% |
| 72     | 6.637 | 6.591 | 6.657 | VV | 4585411 | 111671276 | 33.07%  | 0.681% |
| 73     | 6.683 | 6.657 | 6.723 | VV | 2856440 | 91432085  | 27.07%  | 0.557% |
| 74     | 6.761 | 6.723 | 6.780 | VV | 4654646 | 105370840 | 31.20%  | 0.642% |
| 75     | 6.792 | 6.780 | 6.800 | VV | 2222125 | 24771190  | 7.33%   | 0.151% |
| 76     | 6.821 | 6.800 | 6.839 | VV | 2807890 | 54033885  | 16.00%  | 0.329% |
| 77     | 6.869 | 6.839 | 6.895 | VV | 4258918 | 103929236 | 30.77%  | 0.633% |
| 78     | 6.920 | 6.895 | 6.946 | VV | 4855567 | 96464315  | 28.56%  | 0.588% |
| 79     | 6.972 | 6.946 | 6.984 | VV | 5250418 | 83655864  | 24.77%  | 0.510% |
| 80     | 6.995 | 6.984 | 7.009 | VV | 4956382 | 59324480  | 17.57%  | 0.362% |
| 81     | 7.023 | 7.009 | 7.041 | VV | 4145447 | 57700322  | 17.09%  | 0.352% |
| 82     | 7.068 | 7.041 | 7.099 | VV | 5403423 | 117601338 | 34.82%  | 0.717% |
| 83     | 7.121 | 7.099 | 7.141 | VV | 3194435 | 66866823  | 19.80%  | 0.407% |
| 84     | 7.161 | 7.141 | 7.182 | VV | 2757691 | 56199219  | 16.64%  | 0.342% |
| 85     | 7.221 | 7.182 | 7.235 | VV | 2288009 | 67981663  | 20.13%  | 0.414% |
| 86     | 7.317 | 7.235 | 7.343 | VV | 9465062 | 337723672 | 100.00% | 2.058% |
| 87     | 7.357 | 7.343 | 7.396 | VV | 3254355 | 91227001  | 27.01%  | 0.556% |
| 88     | 7.409 | 7.396 | 7.428 | VV | 2418379 | 43321798  | 12.83%  | 0.264% |
| 89     | 7.464 | 7.428 | 7.483 | VV | 5560538 | 119415806 | 35.36%  | 0.728% |

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| 90     | 7.490 | 7.483 | 7.505 | VV | 3810560  | 45409741  | 13.45% | 0.277% |
| 91     | 7.514 | 7.505 | 7.532 | VV | 3218663  | 44117584  | 13.06% | 0.269% |
| 92     | 7.552 | 7.532 | 7.568 | VV | 2662960  | 48432272  | 14.34% | 0.295% |
| 93     | 7.601 | 7.568 | 7.636 | VV | 4051974  | 117878257 | 34.90% | 0.718% |
| 94     | 7.650 | 7.636 | 7.660 | VV | 3011370  | 40667393  | 12.04% | 0.248% |
| 95     | 7.669 | 7.660 | 7.692 | VV | 2903596  | 48296667  | 14.30% | 0.294% |
| 96     | 7.717 | 7.692 | 7.730 | VV | 3688698  | 66195211  | 19.60% | 0.403% |
| 97     | 7.746 | 7.730 | 7.760 | VV | 3787577  | 59326870  | 17.57% | 0.362% |
| 98     | 7.768 | 7.760 | 7.785 | VV | 3398126  | 48111210  | 14.25% | 0.293% |
| 99     | 7.814 | 7.785 | 7.833 | VV | 3598261  | 85866739  | 25.43% | 0.523% |
| 100    | 7.861 | 7.833 | 7.876 | VV | 4496183  | 84306116  | 24.96% | 0.514% |
| 101    | 7.914 | 7.876 | 7.944 | VV | 4952581  | 154019874 | 45.61% | 0.939% |
| 102    | 7.991 | 7.944 | 8.011 | VV | 5320932  | 138933553 | 41.14% | 0.847% |
| 103    | 8.030 | 8.011 | 8.050 | VV | 2672435  | 55594968  | 16.46% | 0.339% |
| 104    | 8.077 | 8.050 | 8.096 | VV | 4193215  | 88173034  | 26.11% | 0.537% |
| 105    | 8.110 | 8.096 | 8.125 | VV | 3485475  | 56148567  | 16.63% | 0.342% |
| 106    | 8.194 | 8.125 | 8.210 | VV | 9875518  | 300500892 | 88.98% | 1.831% |
| 107    | 8.220 | 8.210 | 8.245 | VV | 3877177  | 68666366  | 20.33% | 0.418% |
| 108    | 8.264 | 8.245 | 8.295 | VV | 3611883  | 95827655  | 28.37% | 0.584% |
| 109    | 8.316 | 8.295 | 8.343 | VV | 3417799  | 87878517  | 26.02% | 0.536% |
| 110    | 8.357 | 8.343 | 8.368 | VV | 3351022  | 48149228  | 14.26% | 0.293% |
| 111    | 8.399 | 8.368 | 8.423 | VV | 4370183  | 114804532 | 33.99% | 0.700% |
| 112    | 8.450 | 8.423 | 8.476 | VV | 3136852  | 87311333  | 25.85% | 0.532% |
| 113    | 8.487 | 8.476 | 8.498 | VV | 2546535  | 31284503  | 9.26%  | 0.191% |
| 114    | 8.524 | 8.498 | 8.545 | VV | 3456240  | 87845268  | 26.01% | 0.535% |
| 115    | 8.554 | 8.545 | 8.563 | VV | 3186119  | 32761168  | 9.70%  | 0.200% |
| 116    | 8.581 | 8.563 | 8.593 | VV | 3769692  | 61849625  | 18.31% | 0.377% |
| 117    | 8.609 | 8.593 | 8.632 | VV | 4173909  | 85729463  | 25.38% | 0.522% |
| 118    | 8.654 | 8.632 | 8.673 | VV | 3935078  | 84970299  | 25.16% | 0.518% |
| 119    | 8.714 | 8.673 | 8.731 | VV | 6403935  | 151681564 | 44.91% | 0.924% |
| 120    | 8.756 | 8.731 | 8.788 | VV | 4541865  | 108227231 | 32.05% | 0.660% |
| 121    | 8.804 | 8.788 | 8.818 | VV | 3316024  | 54771283  | 16.22% | 0.334% |
| 122    | 8.840 | 8.818 | 8.890 | VV | 3235204  | 125302768 | 37.10% | 0.764% |
| 123    | 8.918 | 8.890 | 8.943 | VV | 3449402  | 95950970  | 28.41% | 0.585% |
| 124    | 9.020 | 8.943 | 9.052 | VV | 10581090 | 335964304 | 99.48% | 2.047% |
| 125    | 9.074 | 9.052 | 9.099 | VV | 3591722  | 85359947  | 25.28% | 0.520% |
| 126    | 9.138 | 9.099 | 9.156 | VV | 3090737  | 98612669  | 29.20% | 0.601% |
| 127    | 9.187 | 9.156 | 9.198 | VV | 2868095  | 69958709  | 20.71% | 0.426% |
| 128    | 9.217 | 9.198 | 9.248 | VV | 3309266  | 89747273  | 26.57% | 0.547% |
| 129    | 9.277 | 9.248 | 9.300 | VV | 3455572  | 95567249  | 28.30% | 0.582% |
| 130    | 9.312 | 9.300 | 9.328 | VV | 2890297  | 46275296  | 13.70% | 0.282% |
| 131    | 9.359 | 9.328 | 9.390 | VV | 4645886  | 137306938 | 40.66% | 0.837% |
| 132    | 9.404 | 9.390 | 9.413 | VV | 3418924  | 44309218  | 13.12% | 0.270% |
| 133    | 9.442 | 9.413 | 9.466 | VV | 4323623  | 115194775 | 34.11% | 0.702% |
| 134    | 9.492 | 9.466 | 9.509 | VV | 4077165  | 86811550  | 25.70% | 0.529% |
| 135    | 9.543 | 9.509 | 9.570 | VV | 4267476  | 119730208 | 35.45% | 0.730% |
| 136    | 9.593 | 9.570 | 9.619 | VV | 2774505  | 78177724  | 23.15% | 0.476% |
| 137    | 9.640 | 9.619 | 9.649 | VV | 2634188  | 46037463  | 13.63% | 0.281% |
| 138    | 9.668 | 9.649 | 9.680 | VV | 2905640  | 51651628  | 15.29% | 0.315% |
| 139    | 9.713 | 9.680 | 9.738 | VV | 3950062  | 115227075 | 34.12% | 0.702% |
| 140    | 9.791 | 9.738 | 9.814 | VV | 9189521  | 257890049 | 76.36% | 1.572% |
| 141    | 9.843 | 9.814 | 9.907 | VV | 3114434  | 155103900 | 45.93% | 0.945% |

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| 142    | 9.934  | 9.907  | 9.990  | VV | 3070620 | 132188777 | 39.14% | 0.806% |
| 143    | 10.027 | 9.990  | 10.058 | VV | 2805472 | 103524733 | 30.65% | 0.631% |
| 144    | 10.110 | 10.058 | 10.121 | VV | 3298323 | 108934169 | 32.26% | 0.664% |
| 145    | 10.162 | 10.121 | 10.182 | VV | 5812032 | 161242531 | 47.74% | 0.983% |
| 146    | 10.203 | 10.182 | 10.221 | VV | 3795972 | 76596327  | 22.68% | 0.467% |
| 147    | 10.240 | 10.221 | 10.259 | VV | 3810353 | 75103550  | 22.24% | 0.458% |
| 148    | 10.292 | 10.259 | 10.321 | VV | 4044810 | 116149914 | 34.39% | 0.708% |
| 149    | 10.343 | 10.321 | 10.358 | VV | 2646678 | 55734955  | 16.50% | 0.340% |
| 150    | 10.405 | 10.358 | 10.454 | VV | 3103860 | 159192638 | 47.14% | 0.970% |
| 151    | 10.528 | 10.454 | 10.546 | VV | 8745396 | 273906370 | 81.10% | 1.669% |
| 152    | 10.590 | 10.546 | 10.651 | VV | 6344692 | 234788719 | 69.52% | 1.431% |
| 153    | 10.661 | 10.651 | 10.674 | VV | 2507261 | 35411151  | 10.49% | 0.216% |
| 154    | 10.707 | 10.674 | 10.726 | VV | 2657974 | 78346213  | 23.20% | 0.477% |
| 155    | 10.746 | 10.726 | 10.763 | VV | 2868385 | 59689067  | 17.67% | 0.364% |
| 156    | 10.770 | 10.763 | 10.784 | VV | 2659201 | 33924711  | 10.05% | 0.207% |
| 157    | 10.822 | 10.784 | 10.855 | VV | 3389970 | 126113767 | 37.34% | 0.769% |
| 158    | 10.887 | 10.855 | 10.928 | VV | 3794075 | 135202711 | 40.03% | 0.824% |
| 159    | 10.950 | 10.928 | 10.979 | VV | 3412256 | 86226046  | 25.53% | 0.525% |
| 160    | 10.999 | 10.979 | 11.031 | VV | 3203504 | 83565849  | 24.74% | 0.509% |
| 161    | 11.058 | 11.031 | 11.079 | VV | 2644889 | 70934205  | 21.00% | 0.432% |
| 162    | 11.103 | 11.079 | 11.122 | VV | 2529000 | 62617322  | 18.54% | 0.382% |
| 163    | 11.142 | 11.122 | 11.163 | VV | 2634287 | 62215332  | 18.42% | 0.379% |
| 164    | 11.223 | 11.163 | 11.261 | VV | 7812322 | 246916160 | 73.11% | 1.505% |
| 165    | 11.301 | 11.261 | 11.330 | VV | 5250546 | 143533024 | 42.50% | 0.875% |
| 166    | 11.345 | 11.330 | 11.368 | VV | 2529854 | 54437777  | 16.12% | 0.332% |
| 167    | 11.387 | 11.368 | 11.410 | VV | 2500325 | 59095150  | 17.50% | 0.360% |
| 168    | 11.432 | 11.410 | 11.461 | VV | 2415154 | 72275566  | 21.40% | 0.440% |
| 169    | 11.493 | 11.461 | 11.528 | VV | 3207655 | 112439273 | 33.29% | 0.685% |
| 170    | 11.546 | 11.528 | 11.561 | VV | 2636738 | 48681916  | 14.41% | 0.297% |
| 171    | 11.583 | 11.561 | 11.606 | VV | 3312192 | 73827782  | 21.86% | 0.450% |
| 172    | 11.624 | 11.606 | 11.649 | VV | 2911847 | 64799694  | 19.19% | 0.395% |
| 173    | 11.670 | 11.649 | 11.686 | VV | 2777789 | 54477058  | 16.13% | 0.332% |
| 174    | 11.696 | 11.686 | 11.715 | VV | 2402948 | 39784219  | 11.78% | 0.242% |
| 175    | 11.734 | 11.715 | 11.775 | VV | 2347020 | 77995951  | 23.09% | 0.475% |
| 176    | 11.788 | 11.775 | 11.804 | VV | 2144759 | 37133086  | 11.00% | 0.226% |
| 177    | 11.880 | 11.804 | 11.949 | VV | 6872683 | 284553938 | 84.26% | 1.734% |
| 178    | 11.960 | 11.949 | 12.019 | VV | 2222132 | 86304951  | 25.55% | 0.526% |
| 179    | 12.046 | 12.019 | 12.090 | VV | 2032405 | 81899064  | 24.25% | 0.499% |
| 180    | 12.120 | 12.090 | 12.140 | VV | 2345110 | 63911694  | 18.92% | 0.389% |
| 181    | 12.150 | 12.140 | 12.170 | VV | 2263213 | 38688199  | 11.46% | 0.236% |
| 182    | 12.184 | 12.170 | 12.201 | VV | 2040331 | 36154647  | 10.71% | 0.220% |
| 183    | 12.227 | 12.201 | 12.241 | VV | 2299662 | 49438765  | 14.64% | 0.301% |
| 184    | 12.258 | 12.241 | 12.290 | VV | 2651350 | 63655641  | 18.85% | 0.388% |
| 185    | 12.308 | 12.290 | 12.323 | VV | 2214612 | 39064351  | 11.57% | 0.238% |
| 186    | 12.336 | 12.323 | 12.378 | VV | 1996462 | 61533508  | 18.22% | 0.375% |
| 187    | 12.401 | 12.378 | 12.420 | VV | 1996237 | 46445535  | 13.75% | 0.283% |
| 188    | 12.437 | 12.420 | 12.452 | VV | 1916787 | 35806554  | 10.60% | 0.218% |
| 189    | 12.504 | 12.452 | 12.532 | VV | 5722128 | 155682075 | 46.10% | 0.949% |
| 190    | 12.549 | 12.532 | 12.598 | VV | 2090323 | 73129282  | 21.65% | 0.446% |
| 191    | 12.620 | 12.598 | 12.678 | VV | 1774452 | 77657407  | 22.99% | 0.473% |
| 192    | 12.692 | 12.678 | 12.703 | VV | 1580476 | 23527145  | 6.97%  | 0.143% |
| 193    | 12.728 | 12.703 | 12.755 | VV | 1881000 | 53333402  | 15.79% | 0.325% |
| 194    | 12.762 | 12.755 | 12.780 | VV | 1777171 | 25524226  | 7.56%  | 0.156% |

Instrument :  
FID\_D  
ClientSampleId :  
T-5

Manual Integrations  
APPROVED

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| rteres |        |        |        |    |         |           |        |        |
|--------|--------|--------|--------|----|---------|-----------|--------|--------|
| 195    | 12.793 | 12.780 | 12.812 | VV | 1668226 | 29532812  | 8.74%  | 0.180% |
| 196    | 12.836 | 12.812 | 12.850 | VV | 1846541 | 38523626  | 11.41% | 0.235% |
| 197    | 12.864 | 12.850 | 12.898 | VV | 1897189 | 48450295  | 14.35% | 0.295% |
| 198    | 12.916 | 12.898 | 12.940 | VV | 2014900 | 42709097  | 12.65% | 0.260% |
| 199    | 12.966 | 12.940 | 12.997 | VV | 1782871 | 54133586  | 16.03% | 0.330% |
| 200    | 13.009 | 12.997 | 13.047 | VV | 1431952 | 41126234  | 12.18% | 0.251% |
| 201    | 13.099 | 13.047 | 13.120 | VV | 4489422 | 108043277 | 31.99% | 0.658% |
| 202    | 13.131 | 13.120 | 13.143 | VV | 1509365 | 20797930  | 6.16%  | 0.127% |
| 203    | 13.160 | 13.143 | 13.231 | VV | 1539945 | 72984971  | 21.61% | 0.445% |
| 204    | 13.241 | 13.231 | 13.265 | VV | 1285881 | 24970965  | 7.39%  | 0.152% |
| 205    | 13.304 | 13.265 | 13.338 | VV | 1615097 | 61126621  | 18.10% | 0.373% |
| 206    | 13.347 | 13.338 | 13.364 | VV | 1415379 | 20967767  | 6.21%  | 0.128% |
| 207    | 13.377 | 13.364 | 13.398 | VV | 1337913 | 25444329  | 7.53%  | 0.155% |
| 208    | 13.416 | 13.398 | 13.431 | VV | 1329372 | 24949974  | 7.39%  | 0.152% |
| 209    | 13.449 | 13.431 | 13.472 | VV | 1390830 | 31123673  | 9.22%  | 0.190% |
| 210    | 13.493 | 13.472 | 13.532 | VV | 1485295 | 44001870  | 13.03% | 0.268% |
| 211    | 13.562 | 13.532 | 13.616 | VV | 1343095 | 56875942  | 16.84% | 0.347% |
| 212    | 13.666 | 13.616 | 13.701 | VV | 3426486 | 89556868  | 26.52% | 0.546% |
| 213    | 13.731 | 13.701 | 13.812 | VV | 1198992 | 67834377  | 20.09% | 0.413% |
| 214    | 13.872 | 13.812 | 13.923 | VV | 1202158 | 66941848  | 19.82% | 0.408% |
| 215    | 13.938 | 13.923 | 13.956 | VV | 978918  | 18366032  | 5.44%  | 0.112% |
| 216    | 13.971 | 13.956 | 13.986 | VV | 930307  | 15851299  | 4.69%  | 0.097% |
| 217    | 14.004 | 13.986 | 14.038 | VV | 1004816 | 28961437  | 8.58%  | 0.176% |
| 218    | 14.052 | 14.038 | 14.091 | VV | 995412  | 27846666  | 8.25%  | 0.170% |
| 219    | 14.107 | 14.091 | 14.144 | VV | 794015  | 24855220  | 7.36%  | 0.151% |
| 220    | 14.155 | 14.144 | 14.171 | VV | 749931  | 11942107  | 3.54%  | 0.073% |
| 221    | 14.210 | 14.171 | 14.244 | VV | 2483354 | 55295031  | 16.37% | 0.337% |
| 222    | 14.265 | 14.244 | 14.305 | VV | 803856  | 27718324  | 8.21%  | 0.169% |
| 223    | 14.325 | 14.305 | 14.357 | VV | 755813  | 22126057  | 6.55%  | 0.135% |
| 224    | 14.400 | 14.357 | 14.432 | VV | 816982  | 31833193  | 9.43%  | 0.194% |
| 225    | 14.444 | 14.432 | 14.459 | VV | 685426  | 10892422  | 3.23%  | 0.066% |
| 226    | 14.470 | 14.459 | 14.494 | VV | 666595  | 13807563  | 4.09%  | 0.084% |
| 227    | 14.507 | 14.494 | 14.519 | VV | 647559  | 9303075   | 2.75%  | 0.057% |
| 228    | 14.536 | 14.519 | 14.558 | VV | 677403  | 14595366  | 4.32%  | 0.089% |
| 229    | 14.583 | 14.558 | 14.603 | VV | 674887  | 16445389  | 4.87%  | 0.100% |
| 230    | 14.615 | 14.603 | 14.697 | VV | 580521  | 29173012  | 8.64%  | 0.178% |
| 231    | 14.734 | 14.697 | 14.760 | VV | 1604291 | 32541990  | 9.64%  | 0.198% |
| 232    | 14.779 | 14.760 | 14.791 | VV | 525925  | 9697626   | 2.87%  | 0.059% |
| 233    | 14.800 | 14.791 | 14.846 | VV | 503627  | 15695945  | 4.65%  | 0.096% |
| 234    | 14.858 | 14.846 | 14.888 | VV | 457854  | 10941766  | 3.24%  | 0.067% |
| 235    | 14.916 | 14.888 | 14.946 | VV | 492526  | 15905372  | 4.71%  | 0.097% |
| 236    | 14.966 | 14.946 | 15.013 | VV | 464720  | 17319040  | 5.13%  | 0.106% |
| 237    | 15.026 | 15.013 | 15.037 | VV | 409143  | 5594950   | 1.66%  | 0.034% |
| 238    | 15.053 | 15.037 | 15.073 | VV | 425996  | 8762282   | 2.59%  | 0.053% |
| 239    | 15.100 | 15.073 | 15.123 | VV | 445284  | 12118380  | 3.59%  | 0.074% |
| 240    | 15.143 | 15.123 | 15.203 | VV | 371562  | 16630777  | 4.92%  | 0.101% |
| 241    | 15.238 | 15.203 | 15.269 | VV | 892369  | 20115718  | 5.96%  | 0.123% |
| 242    | 15.281 | 15.269 | 15.306 | VV | 348927  | 7546344   | 2.23%  | 0.046% |
| 243    | 15.318 | 15.306 | 15.386 | VV | 318130  | 14164781  | 4.19%  | 0.086% |
| 244    | 15.411 | 15.386 | 15.455 | VV | 313637  | 12201114  | 3.61%  | 0.074% |
| 245    | 15.464 | 15.455 | 15.507 | VV | 286985  | 8561283   | 2.53%  | 0.052% |
| 246    | 15.544 | 15.507 | 15.581 | VV | 283747  | 11966400  | 3.54%  | 0.073% |

| rteres |        |        |        |    |        |          |       |        |
|--------|--------|--------|--------|----|--------|----------|-------|--------|
| 247    | 15.598 | 15.581 | 15.638 | VV | 261729 | 8474517  | 2.51% | 0.052% |
| 248    | 15.652 | 15.638 | 15.698 | VV | 239509 | 8275625  | 2.45% | 0.050% |
| 249    | 15.727 | 15.698 | 15.754 | VV | 486026 | 10696480 | 3.17% | 0.065% |
| 250    | 15.765 | 15.754 | 15.805 | VV | 227673 | 6754181  | 2.00% | 0.041% |
| 251    | 15.816 | 15.805 | 15.868 | VV | 212875 | 7694745  | 2.28% | 0.047% |
| 252    | 15.895 | 15.868 | 15.991 | VV | 214658 | 14828397 | 4.39% | 0.090% |
| 253    | 16.031 | 15.991 | 16.061 | VV | 197704 | 7909831  | 2.34% | 0.048% |
| 254    | 16.085 | 16.061 | 16.133 | VV | 197436 | 8028422  | 2.38% | 0.049% |
| 255    | 16.149 | 16.133 | 16.172 | VV | 175566 | 3954002  | 1.17% | 0.024% |
| 256    | 16.202 | 16.172 | 16.315 | VV | 285335 | 15604947 | 4.62% | 0.095% |
| 257    | 16.320 | 16.315 | 16.338 | VV | 158899 | 2154354  | 0.64% | 0.013% |
| 258    | 16.362 | 16.338 | 16.405 | VV | 164165 | 6450437  | 1.91% | 0.039% |
| 259    | 16.413 | 16.405 | 16.455 | VV | 156985 | 4654680  | 1.38% | 0.028% |
| 260    | 16.473 | 16.455 | 16.485 | VV | 152885 | 2728355  | 0.81% | 0.017% |
| 261    | 16.495 | 16.485 | 16.526 | VV | 153438 | 3717738  | 1.10% | 0.023% |
| 262    | 16.546 | 16.526 | 16.613 | VV | 149991 | 7652367  | 2.27% | 0.047% |
| 263    | 16.664 | 16.613 | 16.691 | VV | 188311 | 7218210  | 2.14% | 0.044% |
| 264    | 16.710 | 16.691 | 16.768 | VV | 151206 | 6581031  | 1.95% | 0.040% |
| 265    | 16.814 | 16.768 | 16.860 | VV | 138654 | 7538902  | 2.23% | 0.046% |
| 266    | 16.892 | 16.860 | 16.921 | VV | 135612 | 4935765  | 1.46% | 0.030% |
| 267    | 16.939 | 16.921 | 16.982 | VV | 133840 | 4786367  | 1.42% | 0.029% |
| 268    | 17.025 | 16.982 | 17.077 | VV | 140302 | 7605847  | 2.25% | 0.046% |
| 269    | 17.110 | 17.077 | 17.161 | VV | 156205 | 6846676  | 2.03% | 0.042% |
| 270    | 17.168 | 17.161 | 17.182 | VV | 126625 | 1560221  | 0.46% | 0.010% |
| 271    | 17.204 | 17.182 | 17.252 | VV | 127594 | 5314866  | 1.57% | 0.032% |
| 272    | 17.267 | 17.252 | 17.302 | VV | 127660 | 3837152  | 1.14% | 0.023% |
| 273    | 17.314 | 17.302 | 17.354 | VV | 124365 | 3866407  | 1.14% | 0.024% |
| 274    | 17.389 | 17.354 | 17.428 | VV | 124641 | 5469164  | 1.62% | 0.033% |
| 275    | 17.436 | 17.428 | 17.457 | VV | 123282 | 2122849  | 0.63% | 0.013% |
| 276    | 17.476 | 17.457 | 17.509 | VV | 123763 | 3874137  | 1.15% | 0.024% |
| 277    | 17.544 | 17.509 | 17.594 | VV | 135277 | 6388427  | 1.89% | 0.039% |
| 278    | 17.625 | 17.594 | 17.656 | VV | 127957 | 4561811  | 1.35% | 0.028% |
| 279    | 17.680 | 17.656 | 17.729 | VV | 123001 | 5315077  | 1.57% | 0.032% |
| 280    | 17.762 | 17.729 | 17.788 | VV | 122137 | 4320210  | 1.28% | 0.026% |
| 281    | 17.821 | 17.788 | 17.871 | VV | 122743 | 6006965  | 1.78% | 0.037% |
| 282    | 17.899 | 17.871 | 17.926 | VV | 132884 | 4178151  | 1.24% | 0.025% |
| 283    | 17.935 | 17.926 | 17.941 | VV | 123583 | 1129335  | 0.33% | 0.007% |
| 284    | 17.966 | 17.941 | 18.011 | VV | 138011 | 5341143  | 1.58% | 0.033% |
| 285    | 18.023 | 18.011 | 18.027 | VV | 120466 | 1105826  | 0.33% | 0.007% |
| 286    | 18.058 | 18.027 | 18.079 | VV | 121820 | 3837536  | 1.14% | 0.023% |
| 287    | 18.101 | 18.079 | 18.108 | VV | 120908 | 2069074  | 0.61% | 0.013% |
| 288    | 18.115 | 18.108 | 18.158 | VV | 121000 | 3605948  | 1.07% | 0.022% |
| 289    | 18.186 | 18.158 | 18.215 | VV | 121939 | 4104145  | 1.22% | 0.025% |
| 290    | 18.248 | 18.215 | 18.280 | VV | 123106 | 4772586  | 1.41% | 0.029% |
| 291    | 18.319 | 18.280 | 18.337 | VV | 121427 | 4077868  | 1.21% | 0.025% |
| 292    | 18.373 | 18.337 | 18.415 | VV | 127637 | 5832206  | 1.73% | 0.036% |
| 293    | 18.439 | 18.415 | 18.453 | VV | 121852 | 2721552  | 0.81% | 0.017% |
| 294    | 18.470 | 18.453 | 18.491 | VV | 122180 | 2833377  | 0.84% | 0.017% |
| 295    | 18.511 | 18.491 | 18.539 | VV | 121911 | 3443587  | 1.02% | 0.021% |
| 296    | 18.558 | 18.539 | 18.600 | VV | 122545 | 4422769  | 1.31% | 0.027% |
| 297    | 18.639 | 18.600 | 18.657 | VV | 123398 | 4199812  | 1.24% | 0.026% |
| 298    | 18.678 | 18.657 | 18.694 | VV | 124639 | 2772646  | 0.82% | 0.017% |
| 299    | 18.722 | 18.694 | 18.743 | VV | 131785 | 3713156  | 1.10% | 0.023% |

Instrument :  
FID\_D  
ClientSampleId :  
T-5

Manual Integrations  
APPROVED

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Instrument :  
FID\_D  
ClientSampleId :  
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Manual Integrations  
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| rteres |        |        |        |     |        |          |       |        |
|--------|--------|--------|--------|-----|--------|----------|-------|--------|
| 300    | 18.767 | 18.743 | 18.841 | VV  | 132594 | 7447789  | 2.21% | 0.045% |
| 301    | 18.865 | 18.841 | 18.877 | VV  | 123239 | 2638180  | 0.78% | 0.016% |
| 302    | 18.898 | 18.877 | 18.918 | VV  | 124456 | 3035388  | 0.90% | 0.018% |
| 303    | 18.967 | 18.918 | 18.988 | VV  | 132432 | 5322616  | 1.58% | 0.032% |
| 304    | 19.011 | 18.988 | 19.035 | VV  | 132873 | 3624152  | 1.07% | 0.022% |
| 305    | 19.056 | 19.035 | 19.095 | VV  | 126345 | 4460183  | 1.32% | 0.027% |
| 306    | 19.112 | 19.095 | 19.128 | VV  | 125016 | 2495952  | 0.74% | 0.015% |
| 307    | 19.151 | 19.128 | 19.191 | VV  | 128141 | 4771379  | 1.41% | 0.029% |
| 308    | 19.206 | 19.191 | 19.228 | VV  | 125134 | 2751057  | 0.81% | 0.017% |
| 309    | 19.257 | 19.228 | 19.288 | VV  | 126311 | 4487758  | 1.33% | 0.027% |
| 310    | 19.335 | 19.288 | 19.385 | VV  | 127100 | 7345118  | 2.17% | 0.045% |
| 311    | 19.416 | 19.385 | 19.425 | VV  | 127725 | 3082233  | 0.91% | 0.019% |
| 312    | 19.443 | 19.425 | 19.465 | VV  | 128341 | 3032459  | 0.90% | 0.018% |
| 313    | 19.489 | 19.465 | 19.510 | VV  | 132315 | 3515474  | 1.04% | 0.021% |
| 314    | 19.525 | 19.510 | 19.541 | VV  | 130337 | 2455710  | 0.73% | 0.015% |
| 315    | 19.554 | 19.541 | 19.600 | VV  | 130106 | 4490805  | 1.33% | 0.027% |
| 316    | 19.665 | 19.600 | 19.682 | VV  | 129433 | 6299997  | 1.87% | 0.038% |
| 317    | 19.699 | 19.682 | 19.738 | VV  | 129549 | 4368479  | 1.29% | 0.027% |
| 318    | 19.750 | 19.738 | 19.767 | VV  | 128964 | 2254371  | 0.67% | 0.014% |
| 319    | 19.815 | 19.767 | 19.831 | VV  | 137385 | 5091796  | 1.51% | 0.031% |
| 320    | 19.840 | 19.831 | 19.859 | VV  | 134689 | 2224434  | 0.66% | 0.014% |
| 321    | 19.869 | 19.859 | 19.908 | VV  | 132741 | 3886394  | 1.15% | 0.024% |
| 322    | 19.930 | 19.908 | 19.968 | VV  | 132376 | 4720270  | 1.40% | 0.029% |
| 323    | 20.001 | 19.968 | 20.020 | VV  | 131552 | 4089371  | 1.21% | 0.025% |
| 324    | 20.047 | 20.020 | 20.065 | VV  | 131577 | 3541715  | 1.05% | 0.022% |
| 325    | 20.176 | 20.065 | 20.190 | VV  | 133226 | 9933030  | 2.94% | 0.061% |
| 326    | 20.199 | 20.190 | 20.205 | VV  | 133487 | 1198797  | 0.35% | 0.007% |
| 327    | 20.241 | 20.205 | 20.261 | VV  | 135863 | 4472406  | 1.32% | 0.027% |
| 328    | 20.279 | 20.261 | 20.320 | VV  | 136452 | 4845424  | 1.43% | 0.030% |
| 329    | 20.339 | 20.320 | 20.351 | VV  | 134868 | 2505295  | 0.74% | 0.015% |
| 330    | 20.397 | 20.351 | 20.447 | VV  | 137675 | 7795725  | 2.31% | 0.048% |
| 331    | 20.501 | 20.447 | 20.561 | VV  | 137554 | 9368446  | 2.77% | 0.057% |
| 332    | 20.593 | 20.561 | 20.673 | VV  | 137708 | 9125585  | 2.70% | 0.056% |
| 333    | 20.695 | 20.673 | 20.708 | VV  | 136369 | 2842921  | 0.84% | 0.017% |
| 334    | 20.721 | 20.708 | 20.751 | VV  | 136506 | 3525419  | 1.04% | 0.021% |
| 335    | 20.778 | 20.751 | 20.848 | VV  | 136776 | 7978911  | 2.36% | 0.049% |
| 336    | 20.886 | 20.848 | 20.934 | VV  | 138308 | 7053602  | 2.09% | 0.043% |
| 337    | 20.981 | 20.934 | 21.009 | VV  | 138916 | 6211852  | 1.84% | 0.038% |
| 338    | 21.040 | 21.009 | 21.175 | VV  | 138753 | 13671246 | 4.05% | 0.083% |
| 339    | 21.207 | 21.175 | 21.238 | VV  | 136981 | 5200730  | 1.54% | 0.032% |
| 340    | 21.258 | 21.238 | 21.323 | VV  | 137327 | 7002434  | 2.07% | 0.043% |
| 341    | 21.342 | 21.323 | 21.373 | VV  | 137531 | 4124824  | 1.22% | 0.025% |
| 342    | 21.422 | 21.373 | 21.501 | VBA | 139238 | 10533013 | 3.12% | 0.064% |

Sum of corrected areas: 16409335181

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