

rteres

Instrument :

FID\_C

ClientSampleId :

TP-4MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/08/2025

Supervised By :mohammad ahmed 08/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC08072  
Data File : FC069606.D  
Signal(s) : FID1A.ch  
Acq On : 07 Aug 2025 18:52  
Sample : Q2779-01MSD  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 080125.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.227       | 3.205        | 3.239      | PV       | 968            | 9309         | 0.10%          | 0.003%        |
| 2         | 3.251       | 3.239        | 3.319      | PV       | 771            | 11222        | 0.12%          | 0.004%        |
| 3         | 3.351       | 3.319        | 3.368      | PV       | 220            | 2688         | 0.03%          | 0.001%        |
| 4         | 3.402       | 3.368        | 3.486      | VV       | 367465         | 3111654      | 32.89%         | 1.003%        |
| 5         | 3.504       | 3.486        | 3.514      | VV       | 627            | 6075         | 0.06%          | 0.002%        |
| 6         | 3.530       | 3.514        | 3.544      | VV       | 1495           | 16183        | 0.17%          | 0.005%        |
| 7         | 3.553       | 3.544        | 3.568      | VV       | 961            | 9071         | 0.10%          | 0.003%        |
| 8         | 3.602       | 3.568        | 3.635      | VV       | 1399           | 26946        | 0.28%          | 0.009%        |
| 9         | 3.674       | 3.635        | 3.708      | VV       | 3099           | 63277        | 0.67%          | 0.020%        |
| 10        | 3.730       | 3.708        | 3.748      | VV       | 1597           | 26172        | 0.28%          | 0.008%        |
| 11        | 3.778       | 3.748        | 3.802      | VV       | 5280           | 86386        | 0.91%          | 0.028%        |
| 12        | 3.810       | 3.802        | 3.823      | VV       | 1894           | 18516        | 0.20%          | 0.006%        |
| 13        | 3.849       | 3.823        | 3.864      | VV       | 3543           | 45999        | 0.49%          | 0.015%        |
| 14        | 3.898       | 3.864        | 3.930      | VV       | 2638           | 55157        | 0.58%          | 0.018%        |
| 15        | 3.948       | 3.930        | 3.965      | PV       | 3912           | 33572        | 0.35%          | 0.011%        |
| 16        | 3.991       | 3.965        | 4.040      | VV       | 3801           | 81498        | 0.86%          | 0.026%        |
| 17        | 4.073       | 4.040        | 4.088      | VV       | 6150           | 76469        | 0.81%          | 0.025%        |
| 18        | 4.099       | 4.088        | 4.118      | VV       | 3036           | 40781        | 0.43%          | 0.013%        |
| 19        | 4.140       | 4.118        | 4.157      | VV       | 4478           | 66978        | 0.71%          | 0.022%        |
| 20        | 4.169       | 4.157        | 4.190      | VV       | 3744           | 41572        | 0.44%          | 0.013%        |
| 21        | 4.213       | 4.190        | 4.223      | VV       | 1629           | 23838        | 0.25%          | 0.008%        |
| 22        | 4.251       | 4.223        | 4.267      | VV       | 4797           | 87361        | 0.92%          | 0.028%        |
| 23        | 4.282       | 4.267        | 4.307      | VV       | 5216           | 72633        | 0.77%          | 0.023%        |
| 24        | 4.335       | 4.307        | 4.361      | VV       | 4011           | 62693        | 0.66%          | 0.020%        |
| 25        | 4.391       | 4.361        | 4.411      | PV       | 4548           | 67569        | 0.71%          | 0.022%        |
| 26        | 4.430       | 4.411        | 4.447      | VV       | 4250           | 59437        | 0.63%          | 0.019%        |
| 27        | 4.475       | 4.447        | 4.497      | VV       | 391790         | 3484298      | 36.83%         | 1.123%        |
| 28        | 4.519       | 4.497        | 4.563      | VV       | 424866         | 3753311      | 39.68%         | 1.210%        |
| 29        | 4.579       | 4.563        | 4.604      | VV       | 5312           | 65573        | 0.69%          | 0.021%        |
| 30        | 4.627       | 4.604        | 4.660      | VV       | 10995          | 160689       | 1.70%          | 0.052%        |
| 31        | 4.677       | 4.660        | 4.689      | VV       | 6748           | 83441        | 0.88%          | 0.027%        |
| 32        | 4.699       | 4.689        | 4.711      | VV       | 4904           | 55742        | 0.59%          | 0.018%        |
| 33        | 4.728       | 4.711        | 4.744      | VV       | 13604          | 137674       | 1.46%          | 0.044%        |
| 34        | 4.760       | 4.744        | 4.795      | VV       | 12682          | 200677       | 2.12%          | 0.065%        |
| 35        | 4.806       | 4.795        | 4.816      | VV       | 5556           | 54331        | 0.57%          | 0.018%        |
| 36        | 4.829       | 4.816        | 4.836      | VV       | 6702           | 62562        | 0.66%          | 0.020%        |

|    |       |       |       |    |        |         |        |        |
|----|-------|-------|-------|----|--------|---------|--------|--------|
|    |       |       |       |    | rters  |         |        |        |
| 37 | 4.857 | 4.836 | 4.872 | VV | 11233  | 175455  | 1.85%  | 0.057% |
| 38 | 4.888 | 4.872 | 4.933 | VV | 11732  | 206715  |        |        |
| 39 | 4.952 | 4.933 | 4.975 | VV | 10662  | 130699  |        |        |
| 40 | 4.998 | 4.975 | 5.011 | VV | 3977   | 62193   |        |        |
| 41 | 5.026 | 5.011 | 5.046 | VV | 5169   | 85604   |        |        |
| 42 | 5.061 | 5.046 | 5.094 | VV | 10359  | 170764  |        |        |
| 43 | 5.113 | 5.094 | 5.140 | VV | 6969   | 123482  | 1.31%  | 0.040% |
| 44 | 5.167 | 5.140 | 5.181 | VV | 11039  | 159107  | 1.68%  | 0.051% |
| 45 | 5.195 | 5.181 | 5.259 | VV | 14719  | 290286  | 3.07%  | 0.094% |
| 46 | 5.284 | 5.259 | 5.299 | VV | 6468   | 104093  | 1.10%  | 0.034% |
| 47 | 5.316 | 5.299 | 5.344 | VV | 8616   | 152072  | 1.61%  | 0.049% |
| 48 | 5.355 | 5.344 | 5.361 | VV | 4602   | 42459   | 0.45%  | 0.014% |
| 49 | 5.378 | 5.361 | 5.391 | VV | 6583   | 95769   | 1.01%  | 0.031% |
| 50 | 5.407 | 5.391 | 5.423 | VV | 9546   | 125302  | 1.32%  | 0.040% |
| 51 | 5.438 | 5.423 | 5.455 | VV | 5779   | 90548   | 0.96%  | 0.029% |
| 52 | 5.464 | 5.455 | 5.487 | VV | 4419   | 61625   | 0.65%  | 0.020% |
| 53 | 5.515 | 5.487 | 5.532 | VV | 22634  | 282837  | 2.99%  | 0.091% |
| 54 | 5.544 | 5.532 | 5.567 | VV | 10407  | 134620  | 1.42%  | 0.043% |
| 55 | 5.585 | 5.567 | 5.620 | VV | 5816   | 106505  | 1.13%  | 0.034% |
| 56 | 5.651 | 5.620 | 5.660 | VV | 3551   | 68622   | 0.73%  | 0.022% |
| 57 | 5.672 | 5.660 | 5.680 | VV | 3700   | 39638   | 0.42%  | 0.013% |
| 58 | 5.702 | 5.680 | 5.742 | VV | 15765  | 274272  | 2.90%  | 0.088% |
| 59 | 5.759 | 5.742 | 5.775 | VV | 4621   | 78831   | 0.83%  | 0.025% |
| 60 | 5.799 | 5.775 | 5.836 | VV | 14944  | 315105  | 3.33%  | 0.102% |
| 61 | 5.855 | 5.836 | 5.876 | VV | 10543  | 145780  | 1.54%  | 0.047% |
| 62 | 5.887 | 5.876 | 5.898 | VV | 3662   | 38651   | 0.41%  | 0.012% |
| 63 | 5.925 | 5.898 | 5.951 | VV | 5486   | 104422  | 1.10%  | 0.034% |
| 64 | 5.972 | 5.951 | 5.995 | VV | 5936   | 83645   | 0.88%  | 0.027% |
| 65 | 6.019 | 5.995 | 6.040 | VV | 6790   | 123483  | 1.31%  | 0.040% |
| 66 | 6.069 | 6.040 | 6.133 | VV | 464785 | 4516606 | 47.75% | 1.456% |
| 67 | 6.156 | 6.133 | 6.184 | VV | 6478   | 129309  | 1.37%  | 0.042% |
| 68 | 6.212 | 6.184 | 6.231 | VV | 10110  | 175895  | 1.86%  | 0.057% |
| 69 | 6.246 | 6.231 | 6.270 | VV | 5986   | 96252   | 1.02%  | 0.031% |
| 70 | 6.286 | 6.270 | 6.298 | VV | 5041   | 70068   | 0.74%  | 0.023% |
| 71 | 6.323 | 6.298 | 6.357 | VV | 5700   | 166767  | 1.76%  | 0.054% |
| 72 | 6.378 | 6.357 | 6.398 | VV | 5474   | 90252   | 0.95%  | 0.029% |
| 73 | 6.426 | 6.398 | 6.445 | VV | 5679   | 108227  | 1.14%  | 0.035% |
| 74 | 6.454 | 6.445 | 6.468 | VV | 4038   | 48177   | 0.51%  | 0.016% |
| 75 | 6.498 | 6.468 | 6.547 | VV | 398935 | 3924247 | 41.48% | 1.265% |
| 76 | 6.586 | 6.547 | 6.602 | VV | 3384   | 81543   | 0.86%  | 0.026% |
| 77 | 6.616 | 6.602 | 6.626 | VV | 3047   | 36411   | 0.38%  | 0.012% |
| 78 | 6.646 | 6.626 | 6.669 | VV | 15659  | 187597  | 1.98%  | 0.060% |
| 79 | 6.694 | 6.669 | 6.740 | VV | 7284   | 151439  | 1.60%  | 0.049% |
| 80 | 6.777 | 6.740 | 6.798 | VV | 4894   | 89734   | 0.95%  | 0.029% |
| 81 | 6.822 | 6.798 | 6.847 | VV | 5216   | 92144   | 0.97%  | 0.030% |
| 82 | 6.858 | 6.847 | 6.868 | VV | 2106   | 22742   | 0.24%  | 0.007% |
| 83 | 6.900 | 6.868 | 6.926 | VV | 4118   | 82257   | 0.87%  | 0.027% |
| 84 | 6.969 | 6.926 | 6.987 | VV | 5654   | 99543   | 1.05%  | 0.032% |
| 85 | 7.004 | 6.987 | 7.013 | VV | 4287   | 55117   | 0.58%  | 0.018% |
| 86 | 7.033 | 7.013 | 7.049 | VV | 11398  | 141882  | 1.50%  | 0.046% |
| 87 | 7.060 | 7.049 | 7.083 | VV | 5216   | 71902   | 0.76%  | 0.023% |
| 88 | 7.129 | 7.083 | 7.180 | VV | 409971 | 4124034 | 43.60% | 1.329% |
| 89 | 7.201 | 7.180 | 7.244 | VV | 15518  | 231237  | 2.44%  | 0.075% |

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|     |       |       |       |    | retention |         |        |        |
|-----|-------|-------|-------|----|-----------|---------|--------|--------|
| 90  | 7.263 | 7.244 | 7.288 | VV | 8977      | 109477  | 1.16%  | 0.035% |
| 91  | 7.309 | 7.288 | 7.368 | VV | 3651      | 97042   |        |        |
| 92  | 7.392 | 7.368 | 7.401 | VV | 2510      | 32793   |        |        |
| 93  | 7.423 | 7.401 | 7.455 | VV | 10699     | 140621  |        |        |
| 94  | 7.475 | 7.455 | 7.498 | VV | 2430      | 42270   |        |        |
| 95  | 7.515 | 7.498 | 7.533 | VV | 2104      | 34071   |        |        |
| 96  | 7.561 | 7.533 | 7.574 | VV | 1462      | 31305   | 0.33%  | 0.010% |
| 97  | 7.600 | 7.574 | 7.633 | VV | 5724      | 93133   | 0.98%  | 0.030% |
| 98  | 7.652 | 7.633 | 7.672 | VV | 1519      | 22233   | 0.24%  | 0.007% |
| 99  | 7.685 | 7.672 | 7.695 | PV | 428       | 3529    | 0.04%  | 0.001% |
| 100 | 7.852 | 7.808 | 7.865 | VV | 3529      | 72984   | 0.77%  | 0.024% |
| 101 | 7.876 | 7.865 | 7.921 | VV | 3454      | 66616   | 0.70%  | 0.021% |
| 102 | 7.946 | 7.921 | 7.968 | VV | 1927      | 24782   | 0.26%  | 0.008% |
| 103 | 8.010 | 7.968 | 8.029 | VV | 3696      | 91277   | 0.96%  | 0.029% |
| 104 | 8.044 | 8.029 | 8.091 | VV | 3132      | 64412   | 0.68%  | 0.021% |
| 105 | 8.118 | 8.091 | 8.161 | VV | 16572     | 243255  | 2.57%  | 0.078% |
| 106 | 8.175 | 8.161 | 8.194 | VV | 1890      | 25235   | 0.27%  | 0.008% |
| 107 | 8.227 | 8.194 | 8.246 | VV | 12999     | 169212  | 1.79%  | 0.055% |
| 108 | 8.256 | 8.246 | 8.269 | VV | 3934      | 41604   | 0.44%  | 0.013% |
| 109 | 8.300 | 8.269 | 8.328 | VV | 375582    | 3969912 | 41.97% | 1.280% |
| 110 | 8.344 | 8.328 | 8.362 | VV | 3459      | 42797   | 0.45%  | 0.014% |
| 111 | 8.415 | 8.362 | 8.448 | VV | 439861    | 4484534 | 47.41% | 1.445% |
| 112 | 8.467 | 8.448 | 8.484 | VV | 5761      | 70354   | 0.74%  | 0.023% |
| 113 | 8.503 | 8.484 | 8.538 | VV | 3705      | 67008   | 0.71%  | 0.022% |
| 114 | 8.550 | 8.538 | 8.563 | VV | 1235      | 12576   | 0.13%  | 0.004% |
| 115 | 8.658 | 8.643 | 8.680 | VV | 4069      | 58935   | 0.62%  | 0.019% |
| 116 | 8.713 | 8.680 | 8.741 | VV | 461111    | 4673231 | 49.40% | 1.506% |
| 117 | 8.762 | 8.741 | 8.785 | VV | 6941      | 104884  | 1.11%  | 0.034% |
| 118 | 8.834 | 8.785 | 8.860 | VV | 17586     | 264471  | 2.80%  | 0.085% |
| 119 | 8.873 | 8.860 | 8.901 | VV | 1938      | 34221   | 0.36%  | 0.011% |
| 120 | 8.950 | 8.901 | 8.965 | VV | 9596      | 153732  | 1.63%  | 0.050% |
| 121 | 8.982 | 8.965 | 9.005 | VV | 14414     | 164328  | 1.74%  | 0.053% |
| 122 | 9.018 | 9.005 | 9.033 | VV | 2594      | 36044   | 0.38%  | 0.012% |
| 123 | 9.071 | 9.033 | 9.087 | VV | 4749      | 91562   | 0.97%  | 0.030% |
| 124 | 9.119 | 9.087 | 9.139 | VV | 13028     | 172848  | 1.83%  | 0.056% |
| 125 | 9.158 | 9.139 | 9.191 | VV | 8542      | 122711  | 1.30%  | 0.040% |
| 126 | 9.205 | 9.191 | 9.231 | VV | 1817      | 26280   | 0.28%  | 0.008% |
| 127 | 9.275 | 9.231 | 9.292 | PV | 7118      | 90017   | 0.95%  | 0.029% |
| 128 | 9.306 | 9.292 | 9.339 | VV | 4666      | 52969   | 0.56%  | 0.017% |
| 129 | 9.355 | 9.339 | 9.370 | VV | 1280      | 13909   | 0.15%  | 0.004% |
| 130 | 9.412 | 9.370 | 9.435 | VV | 7642      | 126539  | 1.34%  | 0.041% |
| 131 | 9.451 | 9.435 | 9.468 | VV | 2718      | 33611   | 0.36%  | 0.011% |
| 132 | 9.499 | 9.468 | 9.548 | VV | 451962    | 4903236 | 51.83% | 1.580% |
| 133 | 9.574 | 9.548 | 9.600 | VV | 12736     | 183876  | 1.94%  | 0.059% |
| 134 | 9.616 | 9.600 | 9.628 | VV | 3943      | 50760   | 0.54%  | 0.016% |
| 135 | 9.648 | 9.628 | 9.664 | VV | 9350      | 137710  | 1.46%  | 0.044% |
| 136 | 9.674 | 9.664 | 9.688 | VV | 6484      | 74555   | 0.79%  | 0.024% |
| 137 | 9.708 | 9.688 | 9.751 | VV | 11877     | 221330  | 2.34%  | 0.071% |
| 138 | 9.771 | 9.751 | 9.796 | VV | 24577     | 264847  | 2.80%  | 0.085% |
| 139 | 9.818 | 9.796 | 9.841 | VV | 8283      | 133574  | 1.41%  | 0.043% |
| 140 | 9.856 | 9.841 | 9.870 | VV | 5032      | 82415   | 0.87%  | 0.027% |
| 141 | 9.902 | 9.870 | 9.951 | VV | 397717    | 4414824 | 46.67% | 1.423% |

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TP-4MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/08/2025

Supervised By :mohammad ahmed 08/08/2025

|     |        |        |        |       |        |         |               |
|-----|--------|--------|--------|-------|--------|---------|---------------|
|     |        |        |        |       |        |         |               |
|     |        |        |        | rters |        |         |               |
| 142 | 9.962  | 9.951  | 9.967  | VV    | 2319   | 20584   | 0.22% 0.007%  |
| 143 | 9.982  | 9.967  | 9.992  | VV    | 3019   | 39384   |               |
| 144 | 10.009 | 9.992  | 10.047 | VV    | 3985   | 71036   |               |
| 145 | 10.079 | 10.047 | 10.158 | PV    | 4369   | 105176  |               |
|     |        |        |        |       |        |         |               |
| 146 | 10.179 | 10.158 | 10.199 | VV    | 2511   | 32490   |               |
| 147 | 10.243 | 10.199 | 10.264 | VV    | 8770   | 132096  |               |
| 148 | 10.290 | 10.264 | 10.316 | VV    | 21973  | 308640  | 3.26% 0.099%  |
| 149 | 10.349 | 10.316 | 10.360 | VV    | 8637   | 135014  | 1.43% 0.044%  |
| 150 | 10.377 | 10.360 | 10.400 | VV    | 13932  | 199555  | 2.11% 0.064%  |
|     |        |        |        |       |        |         |               |
| 151 | 10.419 | 10.400 | 10.464 | VV    | 12345  | 210919  | 2.23% 0.068%  |
| 152 | 10.494 | 10.464 | 10.528 | VV    | 11088  | 219116  | 2.32% 0.071%  |
| 153 | 10.552 | 10.528 | 10.607 | VV    | 10271  | 315741  | 3.34% 0.102%  |
| 154 | 10.640 | 10.607 | 10.655 | VV    | 12886  | 233376  | 2.47% 0.075%  |
| 155 | 10.667 | 10.655 | 10.680 | VV    | 9274   | 112198  | 1.19% 0.036%  |
|     |        |        |        |       |        |         |               |
| 156 | 10.712 | 10.680 | 10.746 | VV    | 47855  | 839802  | 8.88% 0.271%  |
| 157 | 10.756 | 10.746 | 10.788 | VV    | 6263   | 132966  | 1.41% 0.043%  |
| 158 | 10.806 | 10.788 | 10.823 | VV    | 6887   | 99876   | 1.06% 0.032%  |
| 159 | 10.908 | 10.823 | 10.948 | VV    | 540163 | 6329593 | 66.91% 2.040% |
| 160 | 10.982 | 10.948 | 11.017 | VV    | 446602 | 4887414 | 51.67% 1.575% |
|     |        |        |        |       |        |         |               |
| 161 | 11.034 | 11.017 | 11.069 | VV    | 7979   | 173949  | 1.84% 0.056%  |
| 162 | 11.078 | 11.069 | 11.097 | VV    | 3897   | 63002   | 0.67% 0.020%  |
| 163 | 11.116 | 11.097 | 11.132 | VV    | 5284   | 94491   | 1.00% 0.030%  |
| 164 | 11.148 | 11.132 | 11.164 | VV    | 6933   | 101004  | 1.07% 0.033%  |
| 165 | 11.187 | 11.164 | 11.231 | VV    | 11839  | 306040  | 3.24% 0.099%  |
|     |        |        |        |       |        |         |               |
| 166 | 11.256 | 11.231 | 11.277 | VV    | 6898   | 158710  | 1.68% 0.051%  |
| 167 | 11.295 | 11.277 | 11.313 | VV    | 7769   | 144158  | 1.52% 0.046%  |
| 168 | 11.349 | 11.313 | 11.405 | VV    | 373101 | 4554764 | 48.15% 1.468% |
| 169 | 11.436 | 11.405 | 11.468 | VV    | 30816  | 572562  | 6.05% 0.185%  |
| 170 | 11.500 | 11.468 | 11.524 | VV    | 9002   | 186176  | 1.97% 0.060%  |
|     |        |        |        |       |        |         |               |
| 171 | 11.555 | 11.524 | 11.575 | VV    | 10403  | 197749  | 2.09% 0.064%  |
| 172 | 11.594 | 11.575 | 11.624 | VV    | 6731   | 166081  | 1.76% 0.054%  |
| 173 | 11.671 | 11.624 | 11.693 | VV    | 382069 | 4405020 | 46.57% 1.420% |
| 174 | 11.706 | 11.693 | 11.721 | VV    | 28870  | 349284  | 3.69% 0.113%  |
| 175 | 11.737 | 11.721 | 11.776 | VV    | 36248  | 508465  | 5.38% 0.164%  |
|     |        |        |        |       |        |         |               |
| 176 | 11.822 | 11.776 | 11.840 | VV    | 31833  | 632231  | 6.68% 0.204%  |
| 177 | 11.856 | 11.840 | 11.870 | VV    | 23905  | 325949  | 3.45% 0.105%  |
| 178 | 11.886 | 11.870 | 11.939 | VV    | 28787  | 523233  | 5.53% 0.169%  |
| 179 | 11.963 | 11.939 | 11.975 | VV    | 7494   | 139978  | 1.48% 0.045%  |
| 180 | 12.012 | 11.975 | 12.050 | VV    | 16781  | 533246  | 5.64% 0.172%  |
|     |        |        |        |       |        |         |               |
| 181 | 12.065 | 12.050 | 12.084 | VV    | 11568  | 184520  | 1.95% 0.059%  |
| 182 | 12.113 | 12.084 | 12.139 | VV    | 8804   | 265025  | 2.80% 0.085%  |
| 183 | 12.184 | 12.139 | 12.205 | VV    | 18318  | 431279  | 4.56% 0.139%  |
| 184 | 12.220 | 12.205 | 12.232 | VV    | 9495   | 136832  | 1.45% 0.044%  |
| 185 | 12.270 | 12.232 | 12.292 | VV    | 89440  | 1246544 | 13.18% 0.402% |
|     |        |        |        |       |        |         |               |
| 186 | 12.307 | 12.292 | 12.333 | VV    | 29088  | 491784  | 5.20% 0.159%  |
| 187 | 12.346 | 12.333 | 12.365 | VV    | 12855  | 226070  | 2.39% 0.073%  |
| 188 | 12.380 | 12.365 | 12.392 | VV    | 11421  | 164850  | 1.74% 0.053%  |
| 189 | 12.433 | 12.392 | 12.444 | VV    | 18158  | 424858  | 4.49% 0.137%  |
| 190 | 12.454 | 12.444 | 12.472 | VV    | 16991  | 227745  | 2.41% 0.073%  |
|     |        |        |        |       |        |         |               |
| 191 | 12.501 | 12.472 | 12.541 | VV    | 17230  | 556812  | 5.89% 0.179%  |
| 192 | 12.609 | 12.541 | 12.630 | VV    | 34256  | 961482  | 10.16% 0.310% |
| 193 | 12.661 | 12.630 | 12.698 | VV    | 370688 | 4846326 | 51.23% 1.562% |
| 194 | 12.736 | 12.698 | 12.771 | VV    | 565049 | 6713858 | 70.97% 2.164% |

Instrument :

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ClientSampleId :

TP-4MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/08/2025

Supervised By :mohammad ahmed 08/08/2025

|     |        |        |        |    |        |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 195 | 12.788 | 12.771 | 12.811 | VV | 10495  | 234117  | 2.47%   | 0.075% |
| 196 | 12.858 | 12.811 | 12.871 | VV | 11310  | 354535  |         |        |
| 197 | 12.888 | 12.871 | 12.897 | VV | 13580  | 189235  |         |        |
| 198 | 12.915 | 12.897 | 12.967 | VV | 19858  | 589598  |         |        |
| 199 | 12.984 | 12.967 | 12.999 | VV | 11522  | 195738  |         |        |
| 200 | 13.035 | 12.999 | 13.075 | VV | 495738 | 6879500 | 72.47%  | 0.075% |
| 201 | 13.107 | 13.075 | 13.138 | VV | 293707 | 3906077 | 41.29%  | 1.259% |
| 202 | 13.160 | 13.138 | 13.180 | VV | 16968  | 365993  | 3.87%   | 0.118% |
| 203 | 13.199 | 13.180 | 13.212 | VV | 17303  | 282736  | 2.99%   | 0.091% |
| 204 | 13.227 | 13.212 | 13.243 | VV | 17385  | 285988  | 3.02%   | 0.092% |
| 205 | 13.274 | 13.243 | 13.321 | VV | 347976 | 4933465 | 52.15%  | 1.590% |
| 206 | 13.343 | 13.321 | 13.396 | VV | 83190  | 1604637 | 16.96%  | 0.517% |
| 207 | 13.422 | 13.396 | 13.437 | VV | 20041  | 392218  | 4.15%   | 0.126% |
| 208 | 13.449 | 13.437 | 13.461 | VV | 17115  | 229832  | 2.43%   | 0.074% |
| 209 | 13.498 | 13.461 | 13.541 | VV | 33165  | 1059635 | 11.20%  | 0.342% |
| 210 | 13.547 | 13.541 | 13.566 | VV | 16074  | 218870  | 2.31%   | 0.071% |
| 211 | 13.616 | 13.566 | 13.667 | VV | 47945  | 1337894 | 14.14%  | 0.431% |
| 212 | 13.686 | 13.667 | 13.695 | VV | 16191  | 248848  | 2.63%   | 0.080% |
| 213 | 13.728 | 13.695 | 13.751 | VV | 127882 | 1826240 | 19.31%  | 0.589% |
| 214 | 13.765 | 13.751 | 13.793 | VV | 31121  | 573376  | 6.06%   | 0.185% |
| 215 | 13.806 | 13.793 | 13.826 | VV | 18070  | 326941  | 3.46%   | 0.105% |
| 216 | 13.861 | 13.826 | 13.915 | VV | 340194 | 4975275 | 52.60%  | 1.604% |
| 217 | 13.936 | 13.915 | 13.970 | VV | 27632  | 645019  | 6.82%   | 0.208% |
| 218 | 14.009 | 13.970 | 14.025 | VV | 17098  | 516369  | 5.46%   | 0.166% |
| 219 | 14.035 | 14.025 | 14.045 | VV | 15091  | 176559  | 1.87%   | 0.057% |
| 220 | 14.094 | 14.045 | 14.131 | VV | 21596  | 903963  | 9.56%   | 0.291% |
| 221 | 14.153 | 14.131 | 14.189 | VV | 22626  | 631648  | 6.68%   | 0.204% |
| 222 | 14.249 | 14.189 | 14.268 | VV | 19220  | 800800  | 8.47%   | 0.258% |
| 223 | 14.324 | 14.268 | 14.336 | VV | 22923  | 824966  | 8.72%   | 0.266% |
| 224 | 14.351 | 14.336 | 14.392 | VV | 23869  | 635293  | 6.72%   | 0.205% |
| 225 | 14.424 | 14.392 | 14.441 | VV | 28229  | 640305  | 6.77%   | 0.206% |
| 226 | 14.482 | 14.441 | 14.508 | VV | 35742  | 969052  | 10.24%  | 0.312% |
| 227 | 14.532 | 14.508 | 14.573 | VV | 30164  | 973161  | 10.29%  | 0.314% |
| 228 | 14.595 | 14.573 | 14.616 | VV | 39370  | 710500  | 7.51%   | 0.229% |
| 229 | 14.645 | 14.616 | 14.672 | VV | 28129  | 820735  | 8.68%   | 0.265% |
| 230 | 14.690 | 14.672 | 14.709 | VV | 29617  | 550841  | 5.82%   | 0.178% |
| 231 | 14.718 | 14.709 | 14.750 | VV | 20315  | 470954  | 4.98%   | 0.152% |
| 232 | 14.777 | 14.750 | 14.795 | VV | 21688  | 533796  | 5.64%   | 0.172% |
| 233 | 14.801 | 14.795 | 14.815 | VV | 19825  | 237963  | 2.52%   | 0.077% |
| 234 | 14.835 | 14.815 | 14.848 | VV | 24538  | 421066  | 4.45%   | 0.136% |
| 235 | 14.863 | 14.848 | 14.877 | VV | 22687  | 366722  | 3.88%   | 0.118% |
| 236 | 14.915 | 14.877 | 14.936 | VV | 363682 | 5410988 | 57.20%  | 1.744% |
| 237 | 14.962 | 14.936 | 15.018 | VV | 686217 | 9459516 | 100.00% | 3.049% |
| 238 | 15.035 | 15.018 | 15.050 | VV | 25032  | 442850  | 4.68%   | 0.143% |
| 239 | 15.071 | 15.050 | 15.093 | VV | 34357  | 707151  | 7.48%   | 0.228% |
| 240 | 15.107 | 15.093 | 15.127 | VV | 25975  | 480998  | 5.08%   | 0.155% |
| 241 | 15.145 | 15.127 | 15.184 | VV | 24252  | 697509  | 7.37%   | 0.225% |
| 242 | 15.213 | 15.184 | 15.223 | VV | 27174  | 553539  | 5.85%   | 0.178% |
| 243 | 15.240 | 15.223 | 15.308 | VV | 32017  | 1249513 | 13.21%  | 0.403% |
| 244 | 15.344 | 15.308 | 15.383 | VV | 41012  | 1197975 | 12.66%  | 0.386% |
| 245 | 15.397 | 15.383 | 15.442 | VV | 23418  | 729559  | 7.71%   | 0.235% |
| 246 | 15.504 | 15.442 | 15.558 | VV | 57390  | 2096216 | 22.16%  | 0.676% |

Instrument :

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ClientSampleId :

TP-4MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/08/2025

Supervised By :mohammad ahmed 08/08/2025

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    |        |         |        |        |
|     |        |        |        |    | rters  |         |        |        |
| 247 | 15.582 | 15.558 | 15.601 | VV | 41383  | 781630  | 8.26%  | 0.252% |
| 248 | 15.619 | 15.601 | 15.651 | VV | 32467  | 753972  |        |        |
| 249 | 15.667 | 15.651 | 15.678 | VV | 24492  | 366658  |        |        |
| 250 | 15.742 | 15.678 | 15.772 | VV | 34045  | 1522416 | 16.73% | 0.512% |
|     |        |        |        |    |        |         |        |        |
| 251 | 15.817 | 15.772 | 15.875 | VV | 27952  | 1500079 | 15.82% | 0.432% |
| 252 | 15.880 | 15.875 | 15.893 | VV | 22573  | 245281  | 2.22%  | 0.072% |
| 253 | 15.904 | 15.893 | 15.922 | VV | 23410  | 378088  | 4.00%  | 0.122% |
| 254 | 15.940 | 15.922 | 15.954 | VV | 23571  | 437685  | 4.63%  | 0.141% |
| 255 | 15.990 | 15.954 | 16.068 | VV | 313774 | 5173954 | 54.70% | 1.668% |
|     |        |        |        |    |        |         |        |        |
| 256 | 16.091 | 16.068 | 16.101 | VV | 20561  | 403642  | 4.27%  | 0.130% |
| 257 | 16.111 | 16.101 | 16.128 | VV | 20519  | 312493  | 3.30%  | 0.101% |
| 258 | 16.145 | 16.128 | 16.155 | VV | 20900  | 327681  | 3.46%  | 0.106% |
| 259 | 16.194 | 16.155 | 16.241 | VV | 27154  | 1248893 | 13.20% | 0.403% |
| 260 | 16.263 | 16.241 | 16.279 | VV | 30510  | 612238  | 6.47%  | 0.197% |
|     |        |        |        |    |        |         |        |        |
| 261 | 16.299 | 16.279 | 16.320 | VV | 30489  | 672609  | 7.11%  | 0.217% |
| 262 | 16.332 | 16.320 | 16.340 | VV | 25168  | 298764  | 3.16%  | 0.096% |
| 263 | 16.360 | 16.340 | 16.427 | VV | 31173  | 1374856 | 14.53% | 0.443% |
| 264 | 16.481 | 16.427 | 16.496 | VV | 335630 | 5854136 | 61.89% | 1.887% |
| 265 | 16.511 | 16.496 | 16.558 | VV | 386336 | 4845225 | 51.22% | 1.562% |
|     |        |        |        |    |        |         |        |        |
| 266 | 16.568 | 16.558 | 16.580 | VV | 23942  | 306370  | 3.24%  | 0.099% |
| 267 | 16.602 | 16.580 | 16.623 | VV | 38818  | 767634  | 8.11%  | 0.247% |
| 268 | 16.641 | 16.623 | 16.658 | VV | 26914  | 556134  | 5.88%  | 0.179% |
| 269 | 16.669 | 16.658 | 16.678 | VV | 26237  | 291964  | 3.09%  | 0.094% |
| 270 | 16.722 | 16.678 | 16.737 | VV | 28961  | 968323  | 10.24% | 0.312% |
|     |        |        |        |    |        |         |        |        |
| 271 | 16.795 | 16.737 | 16.822 | VV | 73468  | 2023675 | 21.39% | 0.652% |
| 272 | 16.861 | 16.822 | 16.889 | VV | 360562 | 5389813 | 56.98% | 1.737% |
| 273 | 16.939 | 16.889 | 17.028 | VV | 285485 | 5852407 | 61.87% | 1.886% |
| 274 | 17.065 | 17.028 | 17.075 | VV | 28880  | 737029  | 7.79%  | 0.238% |
| 275 | 17.088 | 17.075 | 17.131 | VV | 29819  | 919492  | 9.72%  | 0.296% |
|     |        |        |        |    |        |         |        |        |
| 276 | 17.197 | 17.131 | 17.243 | VV | 33807  | 2036735 | 21.53% | 0.656% |
| 277 | 17.258 | 17.243 | 17.288 | VV | 31117  | 784883  | 8.30%  | 0.253% |
| 278 | 17.306 | 17.288 | 17.318 | VV | 29647  | 486870  | 5.15%  | 0.157% |
| 279 | 17.375 | 17.318 | 17.407 | VV | 36627  | 1609833 | 17.02% | 0.519% |
| 280 | 17.435 | 17.407 | 17.480 | VV | 28138  | 1129723 | 11.94% | 0.364% |
|     |        |        |        |    |        |         |        |        |
| 281 | 17.511 | 17.480 | 17.551 | VV | 38033  | 1260109 | 13.32% | 0.406% |
| 282 | 17.559 | 17.551 | 17.584 | VV | 25819  | 475514  | 5.03%  | 0.153% |
| 283 | 17.610 | 17.584 | 17.644 | VV | 25830  | 864845  | 9.14%  | 0.279% |
| 284 | 17.664 | 17.644 | 17.674 | VV | 25096  | 442118  | 4.67%  | 0.143% |
| 285 | 17.684 | 17.674 | 17.701 | VV | 24815  | 373990  | 3.95%  | 0.121% |
|     |        |        |        |    |        |         |        |        |
| 286 | 17.735 | 17.701 | 17.751 | VV | 27028  | 755538  | 7.99%  | 0.244% |
| 287 | 17.772 | 17.751 | 17.790 | VV | 26719  | 593102  | 6.27%  | 0.191% |
| 288 | 17.830 | 17.790 | 17.866 | VV | 281188 | 4623054 | 48.87% | 1.490% |
| 289 | 17.899 | 17.866 | 17.934 | VV | 26492  | 1030524 | 10.89% | 0.332% |
| 290 | 17.987 | 17.934 | 18.051 | VV | 40645  | 2093775 | 22.13% | 0.675% |
|     |        |        |        |    |        |         |        |        |
| 291 | 18.066 | 18.051 | 18.105 | VV | 25526  | 779881  | 8.24%  | 0.251% |
| 292 | 18.133 | 18.105 | 18.155 | VV | 33941  | 876369  | 9.26%  | 0.282% |
| 293 | 18.188 | 18.155 | 18.198 | VV | 41723  | 885523  | 9.36%  | 0.285% |
| 294 | 18.236 | 18.198 | 18.252 | VV | 337776 | 5315357 | 56.19% | 1.713% |
| 295 | 18.271 | 18.252 | 18.298 | VV | 301212 | 4296965 | 45.42% | 1.385% |
|     |        |        |        |    |        |         |        |        |
| 296 | 18.310 | 18.298 | 18.331 | VV | 27555  | 518419  | 5.48%  | 0.167% |
| 297 | 18.357 | 18.331 | 18.377 | VV | 48903  | 1021957 | 10.80% | 0.329% |
| 298 | 18.387 | 18.377 | 18.445 | VV | 32960  | 1045473 | 11.05% | 0.337% |
| 299 | 18.493 | 18.445 | 18.545 | VV | 311436 | 5280636 | 55.82% | 1.702% |

Instrument :

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TP-4MSD

Manual IntegrationsAPPROVED

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|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 300 | 18.559 | 18.545 | 18.581 | VV | 26045  | 530055  | 5.60%  | 0.171% |
| 301 | 18.609 | 18.581 | 18.628 | VV | 34966  | 796838  |        |        |
| 302 | 18.663 | 18.628 | 18.721 | VV | 262288 | 4674240 | 49.86% | 0.171% |
| 303 | 18.737 | 18.721 | 18.748 | VV | 21422  | 339928  | 3.31%  | 0.171% |
| 304 | 18.782 | 18.748 | 18.806 | VV | 27991  | 864486  | 9.07%  | 0.171% |
| 305 | 18.831 | 18.806 | 18.861 | VV | 29893  | 868223  | 9.66%  | 0.171% |
| 306 | 18.882 | 18.861 | 18.896 | VV | 27450  | 545671  | 5.77%  | 0.176% |
| 307 | 18.909 | 18.896 | 18.929 | VV | 26668  | 492547  | 5.21%  | 0.159% |
| 308 | 18.953 | 18.929 | 18.970 | VV | 26419  | 624498  | 6.60%  | 0.201% |
| 309 | 19.022 | 18.970 | 19.042 | VV | 38951  | 1351765 | 14.29% | 0.436% |
| 310 | 19.068 | 19.042 | 19.127 | VV | 42668  | 1710564 | 18.08% | 0.551% |
| 311 | 19.200 | 19.127 | 19.221 | VV | 37089  | 1546346 | 16.35% | 0.498% |
| 312 | 19.234 | 19.221 | 19.245 | VV | 24081  | 333169  | 3.52%  | 0.107% |
| 313 | 19.282 | 19.245 | 19.345 | VV | 38096  | 1614372 | 17.07% | 0.520% |
| 314 | 19.360 | 19.345 | 19.392 | VV | 24567  | 612490  | 6.47%  | 0.197% |
| 315 | 19.447 | 19.392 | 19.538 | VV | 250468 | 5398147 | 57.07% | 1.740% |
| 316 | 19.568 | 19.538 | 19.598 | VV | 24159  | 794849  | 8.40%  | 0.256% |
| 317 | 19.633 | 19.598 | 19.663 | VV | 37526  | 1088150 | 11.50% | 0.351% |
| 318 | 19.702 | 19.663 | 19.735 | VV | 34920  | 1220255 | 12.90% | 0.393% |
| 319 | 19.750 | 19.735 | 19.770 | VV | 27428  | 557649  | 5.90%  | 0.180% |
| 320 | 19.804 | 19.770 | 19.839 | VV | 41928  | 1310619 | 13.86% | 0.422% |
| 321 | 19.871 | 19.839 | 19.897 | VV | 34363  | 978313  | 10.34% | 0.315% |
| 322 | 19.914 | 19.897 | 19.938 | VV | 25745  | 595079  | 6.29%  | 0.192% |
| 323 | 20.007 | 19.938 | 20.041 | VV | 41537  | 1914388 | 20.24% | 0.617% |
| 324 | 20.073 | 20.041 | 20.127 | VV | 29643  | 1404622 | 14.85% | 0.453% |
| 325 | 20.188 | 20.127 | 20.221 | VV | 243813 | 4676265 | 49.43% | 1.507% |
| 326 | 20.232 | 20.221 | 20.251 | VV | 26832  | 467903  | 4.95%  | 0.151% |
| 327 | 20.274 | 20.251 | 20.285 | VV | 27269  | 533196  | 5.64%  | 0.172% |
| 328 | 20.338 | 20.285 | 20.351 | VV | 28096  | 1064730 | 11.26% | 0.343% |
| 329 | 20.361 | 20.351 | 20.388 | VV | 27866  | 587697  | 6.21%  | 0.189% |
| 330 | 20.448 | 20.388 | 20.479 | VV | 28634  | 1465996 | 15.50% | 0.473% |
| 331 | 20.488 | 20.479 | 20.520 | VV | 26137  | 602610  | 6.37%  | 0.194% |
| 332 | 20.549 | 20.520 | 20.591 | VV | 23936  | 932974  | 9.86%  | 0.301% |
| 333 | 20.603 | 20.591 | 20.618 | VV | 20036  | 313101  | 3.31%  | 0.101% |
| 334 | 20.675 | 20.618 | 20.701 | VV | 21342  | 1008764 | 10.66% | 0.325% |
| 335 | 20.717 | 20.701 | 20.749 | VV | 20170  | 545172  | 5.76%  | 0.176% |
| 336 | 20.762 | 20.749 | 20.778 | VV | 18869  | 316802  | 3.35%  | 0.102% |
| 337 | 20.794 | 20.778 | 20.878 | VV | 18071  | 989471  | 10.46% | 0.319% |
| 338 | 20.894 | 20.878 | 20.903 | VV | 15060  | 227279  | 2.40%  | 0.073% |
| 339 | 20.954 | 20.903 | 21.006 | VV | 194958 | 4117595 | 43.53% | 1.327% |
| 340 | 21.047 | 21.006 | 21.118 | VV | 16406  | 966639  | 10.22% | 0.312% |
| 341 | 21.158 | 21.118 | 21.193 | VV | 13238  | 543848  | 5.75%  | 0.175% |
| 342 | 21.211 | 21.193 | 21.229 | VV | 10196  | 203434  | 2.15%  | 0.066% |
| 343 | 21.261 | 21.229 | 21.294 | VV | 10018  | 358678  | 3.79%  | 0.116% |
| 344 | 21.310 | 21.294 | 21.331 | VV | 8880   | 187668  | 1.98%  | 0.060% |
| 345 | 21.350 | 21.331 | 21.370 | VV | 9471   | 200169  | 2.12%  | 0.065% |
| 346 | 21.406 | 21.370 | 21.426 | VV | 12751  | 367999  | 3.89%  | 0.119% |
| 347 | 21.440 | 21.426 | 21.501 | VV | 12020  | 432894  | 4.58%  | 0.140% |
| 348 | 21.510 | 21.501 | 21.565 | VV | 8560   | 268159  | 2.83%  | 0.086% |
| 349 | 21.573 | 21.565 | 21.598 | VV | 6331   | 111871  | 1.18%  | 0.036% |
| 350 | 21.621 | 21.598 | 21.712 | VV | 6326   | 312092  | 3.30%  | 0.101% |
| 351 | 21.757 | 21.712 | 21.805 | VV | 5643   | 186302  | 1.97%  | 0.060% |

Instrument :

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TP-4MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/08/2025

Supervised By :mohammad ahmed 08/08/2025

|     | Area   | Height | Area%  | Height% | Integration                  | Integration | Integration  |
|-----|--------|--------|--------|---------|------------------------------|-------------|--------------|
| 352 | 21.838 | 21.805 | 21.860 | VV      | 4719                         | 112815      | 1.19% 0.036% |
| 353 | 21.921 | 21.860 | 21.979 | VV      | 137197                       | 3472842     | 36           |
| 354 | 21.998 | 21.979 | 22.035 | VV      | 2120                         | 35974       | 0            |
|     |        |        |        |         | Sum of corrected areas: 3102 |             |              |

Aliphatic EPH 080125.M Fri Aug 08 03:33:00 2025

Instrument :  
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