

rteres

Instrument :

FID\_E

ClientSampleId :

TP-02-MHF

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE05232  
Data File : FE054001.D  
Signal(s) : FID1B.ch  
Acq On : 23 May 2025 15:49  
Sample : Q2109-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051425.M  
Title : GC Extractables

Signal : FID1B.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         | 2.858       | 2.804        | 2.874      | BV       | 193            | 4428         | 0.04%          | 0.003%        |
| 2         | 2.882       | 2.874        | 2.931      | VV       | 216            | 4316         | 0.04%          | 0.003%        |
| 3         | 2.937       | 2.931        | 2.944      | VV       | 65             | 488          | 0.00%          | 0.000%        |
| 4         | 2.953       | 2.944        | 2.964      | VV       | 124            | 839          | 0.01%          | 0.001%        |
| 5         | 2.971       | 2.964        | 2.981      | PV       | 121            | 461          | 0.00%          | 0.000%        |
| 6         | 3.007       | 2.981        | 3.028      | VV       | 131            | 1574         | 0.02%          | 0.001%        |
| 7         | 3.054       | 3.028        | 3.084      | PV       | 90             | 988          | 0.01%          | 0.001%        |
| 8         | 3.118       | 3.084        | 3.124      | VV       | 107            | 763          | 0.01%          | 0.000%        |
| 9         | 3.132       | 3.124        | 3.147      | VV       | 108            | 655          | 0.01%          | 0.000%        |
| 10        | 3.161       | 3.147        | 3.170      | VV       | 104            | 865          | 0.01%          | 0.001%        |
| 11        | 3.191       | 3.170        | 3.222      | VV       | 333            | 5122         | 0.05%          | 0.003%        |
| 12        | 3.230       | 3.222        | 3.258      | VV       | 107            | 1467         | 0.01%          | 0.001%        |
| 13        | 3.263       | 3.258        | 3.352      | VV       | 115            | 3150         | 0.03%          | 0.002%        |
| 14        | 3.358       | 3.352        | 3.431      | VV       | 114            | 4068         | 0.04%          | 0.002%        |
| 15        | 3.442       | 3.431        | 3.454      | VV       | 136            | 1495         | 0.02%          | 0.001%        |
| 16        | 3.483       | 3.454        | 3.552      | VV       | 181            | 7100         | 0.07%          | 0.004%        |
| 17        | 3.568       | 3.552        | 3.608      | PV       | 132            | 2797         | 0.03%          | 0.002%        |
| 18        | 3.651       | 3.608        | 3.662      | VV       | 208            | 3895         | 0.04%          | 0.002%        |
| 19        | 3.687       | 3.662        | 3.764      | VV       | 211            | 6330         | 0.06%          | 0.004%        |
| 20        | 3.823       | 3.764        | 3.860      | VV       | 274            | 8515         | 0.09%          | 0.005%        |
| 21        | 3.881       | 3.860        | 3.962      | VV       | 258            | 6969         | 0.07%          | 0.004%        |
| 22        | 3.987       | 3.962        | 4.044      | VV       | 214            | 6373         | 0.06%          | 0.004%        |
| 23        | 4.060       | 4.044        | 4.073      | VV       | 164            | 1882         | 0.02%          | 0.001%        |
| 24        | 4.086       | 4.073        | 4.117      | VV       | 163            | 3158         | 0.03%          | 0.002%        |
| 25        | 4.177       | 4.117        | 4.235      | VV       | 664            | 22127        | 0.22%          | 0.013%        |
| 26        | 4.246       | 4.235        | 4.285      | VV       | 298            | 7270         | 0.07%          | 0.004%        |
| 27        | 4.297       | 4.285        | 4.314      | VV       | 197            | 2851         | 0.03%          | 0.002%        |
| 28        | 4.340       | 4.314        | 4.374      | VV       | 252            | 5928         | 0.06%          | 0.004%        |
| 29        | 4.388       | 4.374        | 4.396      | VV       | 186            | 1921         | 0.02%          | 0.001%        |
| 30        | 4.405       | 4.396        | 4.433      | VV       | 157            | 2902         | 0.03%          | 0.002%        |
| 31        | 4.454       | 4.433        | 4.478      | VV       | 603            | 8167         | 0.08%          | 0.005%        |
| 32        | 4.492       | 4.478        | 4.558      | VV       | 616            | 12435        | 0.13%          | 0.007%        |
| 33        | 4.574       | 4.558        | 4.588      | VV       | 203            | 2354         | 0.02%          | 0.001%        |
| 34        | 4.611       | 4.588        | 4.666      | VV       | 937            | 22781        | 0.23%          | 0.014%        |
| 35        | 4.691       | 4.666        | 4.721      | VV       | 1477           | 32213        | 0.33%          | 0.019%        |
| 36        | 4.735       | 4.721        | 4.778      | VV       | 1024           | 22025        | 0.22%          | 0.013%        |

|    |       |       |       |    |       |         |        |        |
|----|-------|-------|-------|----|-------|---------|--------|--------|
| 37 | 4.808 | 4.778 | 4.831 | VV | 455   | 11094   | 0.11%  | 0.007% |
| 38 | 4.853 | 4.831 | 4.863 | VV | 345   | 5261    | 0.03%  | 0.002% |
| 39 | 4.890 | 4.863 | 4.904 | VV | 403   | 7942    | 0.05%  | 0.003% |
| 40 | 4.916 | 4.904 | 4.935 | VV | 371   | 5448    | 0.04%  | 0.002% |
| 41 | 4.959 | 4.935 | 5.004 | VV | 833   | 14852   | 0.06%  | 0.004% |
| 42 | 5.038 | 5.004 | 5.054 | VV | 230   | 4096    | 0.03%  | 0.002% |
| 43 | 5.068 | 5.054 | 5.102 | VV | 192   | 3052    | 0.03%  | 0.002% |
| 44 | 5.131 | 5.102 | 5.151 | VV | 487   | 6383    | 0.06%  | 0.004% |
| 45 | 5.166 | 5.151 | 5.190 | VV | 475   | 6913    | 0.07%  | 0.004% |
| 46 | 5.211 | 5.190 | 5.224 | VV | 637   | 8837    | 0.09%  | 0.005% |
| 47 | 5.231 | 5.224 | 5.266 | VV | 531   | 11275   | 0.11%  | 0.007% |
| 48 | 5.277 | 5.266 | 5.310 | VV | 383   | 6894    | 0.07%  | 0.004% |
| 49 | 5.371 | 5.310 | 5.384 | VV | 466   | 12518   | 0.13%  | 0.007% |
| 50 | 5.455 | 5.384 | 5.485 | VV | 697   | 27344   | 0.28%  | 0.016% |
| 51 | 5.496 | 5.485 | 5.528 | VV | 342   | 6848    | 0.07%  | 0.004% |
| 52 | 5.534 | 5.528 | 5.549 | VV | 230   | 2483    | 0.03%  | 0.001% |
| 53 | 5.557 | 5.549 | 5.575 | VV | 223   | 1804    | 0.02%  | 0.001% |
| 54 | 5.601 | 5.575 | 5.619 | PV | 1973  | 26720   | 0.27%  | 0.016% |
| 55 | 5.629 | 5.619 | 5.698 | VV | 936   | 18129   | 0.18%  | 0.011% |
| 56 | 5.721 | 5.698 | 5.738 | VV | 277   | 4700    | 0.05%  | 0.003% |
| 57 | 5.775 | 5.738 | 5.784 | VV | 1190  | 16561   | 0.17%  | 0.010% |
| 58 | 5.793 | 5.784 | 5.840 | VV | 1087  | 20545   | 0.21%  | 0.012% |
| 59 | 5.890 | 5.840 | 5.931 | VV | 2670  | 85926   | 0.87%  | 0.051% |
| 60 | 5.943 | 5.931 | 5.975 | VV | 1899  | 35427   | 0.36%  | 0.021% |
| 61 | 5.984 | 5.975 | 6.057 | VV | 904   | 23692   | 0.24%  | 0.014% |
| 62 | 6.078 | 6.057 | 6.104 | PV | 640   | 8258    | 0.08%  | 0.005% |
| 63 | 6.126 | 6.104 | 6.148 | VV | 754   | 11894   | 0.12%  | 0.007% |
| 64 | 6.170 | 6.148 | 6.298 | VV | 52629 | 873256  | 8.83%  | 0.523% |
| 65 | 6.311 | 6.298 | 6.330 | VV | 1713  | 28322   | 0.29%  | 0.017% |
| 66 | 6.348 | 6.330 | 6.381 | VV | 1782  | 37829   | 0.38%  | 0.023% |
| 67 | 6.422 | 6.381 | 6.484 | VV | 1260  | 52689   | 0.53%  | 0.032% |
| 68 | 6.503 | 6.484 | 6.524 | VV | 854   | 15520   | 0.16%  | 0.009% |
| 69 | 6.560 | 6.524 | 6.614 | VV | 893   | 32908   | 0.33%  | 0.020% |
| 70 | 6.636 | 6.614 | 6.682 | VV | 2078  | 33972   | 0.34%  | 0.020% |
| 71 | 6.714 | 6.682 | 6.737 | PV | 411   | 8481    | 0.09%  | 0.005% |
| 72 | 6.755 | 6.737 | 6.767 | VV | 1066  | 12368   | 0.13%  | 0.007% |
| 73 | 6.787 | 6.767 | 6.807 | VV | 2614  | 35497   | 0.36%  | 0.021% |
| 74 | 6.819 | 6.807 | 6.848 | VV | 1157  | 18372   | 0.19%  | 0.011% |
| 75 | 6.860 | 6.848 | 6.873 | VV | 441   | 5100    | 0.05%  | 0.003% |
| 76 | 6.888 | 6.873 | 6.901 | VV | 414   | 5417    | 0.05%  | 0.003% |
| 77 | 6.918 | 6.901 | 6.934 | VV | 1244  | 15210   | 0.15%  | 0.009% |
| 78 | 6.959 | 6.934 | 6.975 | VV | 1691  | 24478   | 0.25%  | 0.015% |
| 79 | 6.990 | 6.975 | 7.011 | VV | 1276  | 20320   | 0.21%  | 0.012% |
| 80 | 7.039 | 7.011 | 7.070 | VV | 2668  | 50890   | 0.51%  | 0.030% |
| 81 | 7.085 | 7.070 | 7.111 | VV | 950   | 18613   | 0.19%  | 0.011% |
| 82 | 7.173 | 7.111 | 7.191 | VV | 2208  | 51535   | 0.52%  | 0.031% |
| 83 | 7.206 | 7.191 | 7.236 | VV | 2459  | 39586   | 0.40%  | 0.024% |
| 84 | 7.271 | 7.236 | 7.336 | VV | 46117 | 702215  | 7.10%  | 0.421% |
| 85 | 7.359 | 7.336 | 7.384 | VV | 6023  | 112417  | 1.14%  | 0.067% |
| 86 | 7.405 | 7.384 | 7.511 | VV | 78681 | 1038823 | 10.50% | 0.622% |
| 87 | 7.528 | 7.511 | 7.561 | VV | 1411  | 37328   | 0.38%  | 0.022% |
| 88 | 7.584 | 7.561 | 7.611 | VV | 3206  | 51116   | 0.52%  | 0.031% |
| 89 | 7.638 | 7.611 | 7.694 | VV | 1352  | 44859   | 0.45%  | 0.027% |

Instrument :

FID\_E

ClientSampleId :

TP-02-MHF

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 90  | 7.711  | 7.694  | 7.729  | VV | 713    | 10025   | 0.10%  | 0.006% |
| 91  | 7.759  | 7.729  | 7.788  | VV | 2195   | 34971   |        |        |
| 92  | 7.808  | 7.788  | 7.830  | VV | 898    | 14087   |        |        |
| 93  | 8.017  | 7.992  | 8.093  | VV | 14124  | 324249  |        |        |
| 94  | 8.116  | 8.093  | 8.141  | VV | 2754   | 57781   |        |        |
| 95  | 8.176  | 8.141  | 8.206  | VV | 11914  | 231250  |        |        |
| 96  | 8.216  | 8.206  | 8.231  | VV | 4069   | 51665   | 0.52%  | 0.031% |
| 97  | 8.284  | 8.231  | 8.358  | VV | 32174  | 817591  | 8.27%  | 0.490% |
| 98  | 8.388  | 8.358  | 8.405  | VV | 67845  | 803282  | 8.12%  | 0.481% |
| 99  | 8.417  | 8.405  | 8.448  | VV | 37184  | 496277  | 5.02%  | 0.297% |
| 100 | 8.466  | 8.448  | 8.514  | VV | 7789   | 178400  | 1.80%  | 0.107% |
| 101 | 8.572  | 8.514  | 8.609  | VV | 49632  | 1064394 | 10.76% | 0.638% |
| 102 | 8.617  | 8.609  | 8.644  | VV | 7153   | 101578  | 1.03%  | 0.061% |
| 103 | 8.666  | 8.644  | 8.698  | VV | 16479  | 222970  | 2.25%  | 0.134% |
| 104 | 8.713  | 8.698  | 8.745  | VV | 2809   | 49610   | 0.50%  | 0.030% |
| 105 | 8.871  | 8.845  | 8.907  | VV | 121697 | 1462183 | 14.78% | 0.876% |
| 106 | 8.925  | 8.907  | 8.971  | VV | 13050  | 275781  | 2.79%  | 0.165% |
| 107 | 9.008  | 8.971  | 9.031  | VV | 8864   | 197990  | 2.00%  | 0.119% |
| 108 | 9.039  | 9.031  | 9.052  | VV | 3057   | 35214   | 0.36%  | 0.021% |
| 109 | 9.064  | 9.052  | 9.091  | VV | 3422   | 59546   | 0.60%  | 0.036% |
| 110 | 9.116  | 9.091  | 9.131  | VV | 16974  | 217947  | 2.20%  | 0.131% |
| 111 | 9.151  | 9.131  | 9.223  | VV | 89967  | 1310299 | 13.25% | 0.785% |
| 112 | 9.244  | 9.223  | 9.268  | VV | 6520   | 136715  | 1.38%  | 0.082% |
| 113 | 9.290  | 9.268  | 9.311  | VV | 17263  | 252881  | 2.56%  | 0.152% |
| 114 | 9.330  | 9.311  | 9.388  | VV | 18988  | 323281  | 3.27%  | 0.194% |
| 115 | 9.399  | 9.388  | 9.420  | VV | 2099   | 37506   | 0.38%  | 0.022% |
| 116 | 9.445  | 9.420  | 9.463  | VV | 18379  | 229873  | 2.32%  | 0.138% |
| 117 | 9.480  | 9.463  | 9.512  | VV | 13693  | 189894  | 1.92%  | 0.114% |
| 118 | 9.533  | 9.512  | 9.547  | VV | 5505   | 78520   | 0.79%  | 0.047% |
| 119 | 9.582  | 9.547  | 9.608  | VV | 16997  | 311920  | 3.15%  | 0.187% |
| 120 | 9.625  | 9.608  | 9.639  | VV | 6246   | 79715   | 0.81%  | 0.048% |
| 121 | 9.665  | 9.639  | 9.721  | VV | 218625 | 2749131 | 27.79% | 1.647% |
| 122 | 9.744  | 9.721  | 9.764  | VV | 22123  | 322557  | 3.26%  | 0.193% |
| 123 | 9.787  | 9.764  | 9.797  | VV | 11306  | 176511  | 1.78%  | 0.106% |
| 124 | 9.817  | 9.797  | 9.860  | VV | 25458  | 517076  | 5.23%  | 0.310% |
| 125 | 9.877  | 9.860  | 9.918  | VV | 16234  | 302485  | 3.06%  | 0.181% |
| 126 | 9.951  | 9.918  | 9.972  | VV | 29456  | 439866  | 4.45%  | 0.264% |
| 127 | 9.990  | 9.972  | 10.029 | VV | 32979  | 516991  | 5.23%  | 0.310% |
| 128 | 10.043 | 10.029 | 10.060 | VV | 6363   | 96156   | 0.97%  | 0.058% |
| 129 | 10.093 | 10.060 | 10.136 | VV | 32696  | 618776  | 6.26%  | 0.371% |
| 130 | 10.154 | 10.136 | 10.173 | VV | 7186   | 122334  | 1.24%  | 0.073% |
| 131 | 10.184 | 10.173 | 10.221 | VV | 4339   | 75833   | 0.77%  | 0.045% |
| 132 | 10.253 | 10.221 | 10.329 | VV | 3940   | 97061   | 0.98%  | 0.058% |
| 133 | 10.363 | 10.329 | 10.394 | PV | 1856   | 38416   | 0.39%  | 0.023% |
| 134 | 10.417 | 10.394 | 10.447 | VV | 8517   | 131308  | 1.33%  | 0.079% |
| 135 | 10.469 | 10.447 | 10.498 | VV | 5027   | 91147   | 0.92%  | 0.055% |
| 136 | 10.522 | 10.498 | 10.530 | VV | 8201   | 98265   | 0.99%  | 0.059% |
| 137 | 10.554 | 10.530 | 10.577 | VV | 38696  | 585324  | 5.92%  | 0.351% |
| 138 | 10.594 | 10.577 | 10.636 | VV | 21653  | 349191  | 3.53%  | 0.209% |
| 139 | 10.670 | 10.636 | 10.714 | VV | 25619  | 490752  | 4.96%  | 0.294% |
| 140 | 10.730 | 10.714 | 10.781 | VV | 6329   | 197348  | 2.00%  | 0.118% |
| 141 | 10.841 | 10.781 | 10.855 | VV | 16968  | 361240  | 3.65%  | 0.216% |

Instrument :

FID\_E

ClientSampleId :

TP-02-MHF

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    |        |         |        |        |
|     |        |        |        |    | rters  |         |        |        |
| 142 | 10.880 | 10.855 | 10.921 | VV | 45741  | 849763  | 8.59%  | 0.509% |
| 143 | 10.948 | 10.921 | 10.961 | VV | 4988   | 102105  |        |        |
| 144 | 10.979 | 10.961 | 10.998 | VV | 10133  | 138057  |        |        |
| 145 | 11.011 | 10.998 | 11.028 | VV | 3977   | 59055   |        |        |
|     |        |        |        |    |        |         |        |        |
| 146 | 11.080 | 11.028 | 11.128 | VV | 884731 | 9891354 | 100    |        |
| 147 | 11.153 | 11.128 | 11.195 | VV | 199330 | 2506732 | 25     |        |
| 148 | 11.204 | 11.195 | 11.229 | VV | 8883   | 146709  | 1.48%  | 0.088% |
| 149 | 11.244 | 11.229 | 11.321 | VV | 5577   | 181535  | 1.84%  | 0.109% |
| 150 | 11.334 | 11.321 | 11.358 | VV | 1428   | 27110   | 0.27%  | 0.016% |
|     |        |        |        |    |        |         |        |        |
| 151 | 11.380 | 11.358 | 11.413 | VV | 49087  | 723713  | 7.32%  | 0.434% |
| 152 | 11.425 | 11.413 | 11.457 | VV | 8119   | 177003  | 1.79%  | 0.106% |
| 153 | 11.474 | 11.457 | 11.494 | VV | 8175   | 133395  | 1.35%  | 0.080% |
| 154 | 11.525 | 11.494 | 11.542 | VV | 6527   | 146476  | 1.48%  | 0.088% |
| 155 | 11.571 | 11.542 | 11.581 | VV | 5591   | 107534  | 1.09%  | 0.064% |
|     |        |        |        |    |        |         |        |        |
| 156 | 11.610 | 11.581 | 11.651 | VV | 25235  | 462263  | 4.67%  | 0.277% |
| 157 | 11.678 | 11.651 | 11.702 | VV | 10387  | 162740  | 1.65%  | 0.098% |
| 158 | 11.735 | 11.702 | 11.764 | VV | 13152  | 230170  | 2.33%  | 0.138% |
| 159 | 11.774 | 11.764 | 11.797 | VV | 2805   | 45626   | 0.46%  | 0.027% |
| 160 | 11.845 | 11.797 | 11.866 | VV | 557221 | 6173990 | 62.42% | 3.699% |
|     |        |        |        |    |        |         |        |        |
| 161 | 11.883 | 11.866 | 11.898 | VV | 92187  | 1070604 | 10.82% | 0.641% |
| 162 | 11.915 | 11.898 | 11.959 | VV | 103200 | 1389105 | 14.04% | 0.832% |
| 163 | 11.996 | 11.959 | 12.018 | VV | 157410 | 2220326 | 22.45% | 1.330% |
| 164 | 12.032 | 12.018 | 12.046 | VV | 50412  | 624765  | 6.32%  | 0.374% |
| 165 | 12.063 | 12.046 | 12.109 | VV | 69959  | 979154  | 9.90%  | 0.587% |
|     |        |        |        |    |        |         |        |        |
| 166 | 12.130 | 12.109 | 12.148 | VV | 3726   | 60685   | 0.61%  | 0.036% |
| 167 | 12.170 | 12.148 | 12.188 | VV | 7192   | 133590  | 1.35%  | 0.080% |
| 168 | 12.196 | 12.188 | 12.212 | VV | 5538   | 66058   | 0.67%  | 0.040% |
| 169 | 12.223 | 12.212 | 12.241 | VV | 4101   | 51090   | 0.52%  | 0.031% |
| 170 | 12.276 | 12.241 | 12.332 | VV | 9061   | 254092  | 2.57%  | 0.152% |
|     |        |        |        |    |        |         |        |        |
| 171 | 12.356 | 12.332 | 12.402 | VV | 35856  | 555121  | 5.61%  | 0.333% |
| 172 | 12.419 | 12.402 | 12.465 | VV | 6906   | 165191  | 1.67%  | 0.099% |
| 173 | 12.502 | 12.465 | 12.524 | VV | 7021   | 149539  | 1.51%  | 0.090% |
| 174 | 12.561 | 12.524 | 12.574 | VV | 4102   | 105720  | 1.07%  | 0.063% |
| 175 | 12.585 | 12.574 | 12.590 | VV | 3994   | 37310   | 0.38%  | 0.022% |
|     |        |        |        |    |        |         |        |        |
| 176 | 12.631 | 12.590 | 12.655 | VV | 10935  | 277027  | 2.80%  | 0.166% |
| 177 | 12.677 | 12.655 | 12.722 | VV | 20585  | 413694  | 4.18%  | 0.248% |
| 178 | 12.787 | 12.722 | 12.808 | VV | 55478  | 910458  | 9.20%  | 0.545% |
| 179 | 12.825 | 12.808 | 12.841 | VV | 23506  | 390583  | 3.95%  | 0.234% |
| 180 | 12.851 | 12.841 | 12.878 | VV | 21140  | 366291  | 3.70%  | 0.219% |
|     |        |        |        |    |        |         |        |        |
| 181 | 12.909 | 12.878 | 12.966 | VV | 727654 | 9198373 | 92.99% | 5.511% |
| 182 | 12.985 | 12.966 | 13.018 | VV | 6097   | 144100  | 1.46%  | 0.086% |
| 183 | 13.046 | 13.018 | 13.074 | VV | 24624  | 478189  | 4.83%  | 0.286% |
| 184 | 13.091 | 13.074 | 13.111 | VV | 29357  | 399734  | 4.04%  | 0.239% |
| 185 | 13.125 | 13.111 | 13.174 | VV | 11951  | 356027  | 3.60%  | 0.213% |
|     |        |        |        |    |        |         |        |        |
| 186 | 13.206 | 13.174 | 13.239 | VV | 620577 | 7253051 | 73.33% | 4.346% |
| 187 | 13.289 | 13.239 | 13.352 | VV | 455797 | 6697771 | 67.71% | 4.013% |
| 188 | 13.381 | 13.352 | 13.435 | VV | 18928  | 373237  | 3.77%  | 0.224% |
| 189 | 13.479 | 13.435 | 13.515 | VV | 30540  | 533231  | 5.39%  | 0.319% |
| 190 | 13.536 | 13.515 | 13.549 | VV | 11808  | 161805  | 1.64%  | 0.097% |
|     |        |        |        |    |        |         |        |        |
| 191 | 13.559 | 13.549 | 13.582 | VV | 10905  | 140769  | 1.42%  | 0.084% |
| 192 | 13.606 | 13.582 | 13.641 | VV | 17011  | 351525  | 3.55%  | 0.211% |
| 193 | 13.667 | 13.641 | 13.732 | VV | 40632  | 759086  | 7.67%  | 0.455% |
| 194 | 13.797 | 13.732 | 13.842 | PV | 135789 | 2196834 | 22.21% | 1.316% |

Instrument :

FID\_E

ClientSampleId :

TP-02-MHF

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rters  |         |        |        |
| 195 | 13.860 | 13.842 | 13.877 | VV | 10098  | 142265  | 1.44%  | 0.085% |
| 196 | 13.903 | 13.877 | 13.926 | VV | 120116 | 1567330 |        |        |
| 197 | 13.944 | 13.926 | 13.968 | VV | 53144  | 766274  |        |        |
| 198 | 13.979 | 13.968 | 14.006 | VV | 17573  | 269738  |        |        |
| 199 | 14.072 | 14.006 | 14.094 | VV | 48192  | 1091186 |        |        |
| 200 | 14.114 | 14.094 | 14.164 | VV | 36241  | 626092  |        |        |
| 201 | 14.176 | 14.164 | 14.188 | VV | 4373   | 58848   | 0.59%  | 0.035% |
| 202 | 14.200 | 14.188 | 14.215 | VV | 4349   | 58615   | 0.59%  | 0.035% |
| 203 | 14.234 | 14.215 | 14.255 | VV | 5312   | 92990   | 0.94%  | 0.056% |
| 204 | 14.273 | 14.255 | 14.291 | VV | 4356   | 70681   | 0.71%  | 0.042% |
| 205 | 14.305 | 14.291 | 14.348 | VV | 3214   | 62550   | 0.63%  | 0.037% |
| 206 | 14.388 | 14.348 | 14.423 | PV | 4804   | 105868  | 1.07%  | 0.063% |
| 207 | 14.504 | 14.423 | 14.564 | VV | 21414  | 760008  | 7.68%  | 0.455% |
| 208 | 14.606 | 14.564 | 14.624 | VV | 21188  | 411445  | 4.16%  | 0.247% |
| 209 | 14.637 | 14.624 | 14.687 | VV | 18622  | 365929  | 3.70%  | 0.219% |
| 210 | 14.715 | 14.687 | 14.748 | VV | 37204  | 629792  | 6.37%  | 0.377% |
| 211 | 14.775 | 14.748 | 14.807 | VV | 66821  | 1151137 | 11.64% | 0.690% |
| 212 | 14.830 | 14.807 | 14.875 | VV | 19575  | 437877  | 4.43%  | 0.262% |
| 213 | 14.898 | 14.875 | 14.917 | VV | 7845   | 127512  | 1.29%  | 0.076% |
| 214 | 14.966 | 14.917 | 15.027 | VV | 15525  | 408922  | 4.13%  | 0.245% |
| 215 | 15.052 | 15.027 | 15.064 | PV | 12139  | 147107  | 1.49%  | 0.088% |
| 216 | 15.091 | 15.064 | 15.113 | VV | 265171 | 3539357 | 35.78% | 2.121% |
| 217 | 15.133 | 15.113 | 15.214 | VV | 259678 | 3478166 | 35.16% | 2.084% |
| 218 | 15.251 | 15.214 | 15.334 | VV | 60674  | 1403648 | 14.19% | 0.841% |
| 219 | 15.350 | 15.334 | 15.376 | VV | 10814  | 172996  | 1.75%  | 0.104% |
| 220 | 15.404 | 15.376 | 15.422 | VV | 19211  | 315336  | 3.19%  | 0.189% |
| 221 | 15.439 | 15.422 | 15.467 | VV | 20551  | 354505  | 3.58%  | 0.212% |
| 222 | 15.479 | 15.467 | 15.510 | VV | 6753   | 133029  | 1.34%  | 0.080% |
| 223 | 15.539 | 15.510 | 15.620 | VV | 22734  | 687413  | 6.95%  | 0.412% |
| 224 | 15.668 | 15.620 | 15.696 | PV | 8297   | 252952  | 2.56%  | 0.152% |
| 225 | 15.723 | 15.696 | 15.741 | VV | 13300  | 222195  | 2.25%  | 0.133% |
| 226 | 15.766 | 15.741 | 15.788 | VV | 57735  | 819447  | 8.28%  | 0.491% |
| 227 | 15.804 | 15.788 | 15.833 | VV | 27849  | 459965  | 4.65%  | 0.276% |
| 228 | 15.854 | 15.833 | 15.884 | VV | 25976  | 457516  | 4.63%  | 0.274% |
| 229 | 15.927 | 15.884 | 15.976 | VV | 48788  | 1314226 | 13.29% | 0.787% |
| 230 | 15.999 | 15.976 | 16.033 | VV | 16416  | 307585  | 3.11%  | 0.184% |
| 231 | 16.048 | 16.033 | 16.068 | VV | 4341   | 63387   | 0.64%  | 0.038% |
| 232 | 16.091 | 16.068 | 16.139 | VV | 9097   | 138797  | 1.40%  | 0.083% |
| 233 | 16.174 | 16.139 | 16.250 | PV | 11152  | 321472  | 3.25%  | 0.193% |
| 234 | 16.270 | 16.250 | 16.290 | VV | 4330   | 48423   | 0.49%  | 0.029% |
| 235 | 16.305 | 16.290 | 16.319 | PV | 1796   | 18279   | 0.18%  | 0.011% |
| 236 | 16.366 | 16.319 | 16.392 | VV | 8182   | 159313  | 1.61%  | 0.095% |
| 237 | 16.409 | 16.392 | 16.428 | VV | 4064   | 59205   | 0.60%  | 0.035% |
| 238 | 16.454 | 16.428 | 16.497 | VV | 12887  | 304191  | 3.08%  | 0.182% |
| 239 | 16.531 | 16.497 | 16.546 | VV | 6822   | 150557  | 1.52%  | 0.090% |
| 240 | 16.572 | 16.546 | 16.604 | VV | 16348  | 319850  | 3.23%  | 0.192% |
| 241 | 16.660 | 16.604 | 16.679 | VV | 273556 | 4012750 | 40.57% | 2.404% |
| 242 | 16.686 | 16.679 | 16.759 | VV | 116815 | 1539381 | 15.56% | 0.922% |
| 243 | 16.790 | 16.759 | 16.878 | VV | 50750  | 990182  | 10.01% | 0.593% |
| 244 | 16.942 | 16.878 | 16.957 | VV | 47141  | 780983  | 7.90%  | 0.468% |
| 245 | 16.981 | 16.957 | 17.014 | VV | 151616 | 2225156 | 22.50% | 1.333% |
| 246 | 17.043 | 17.014 | 17.107 | VV | 212428 | 3215605 | 32.51% | 1.927% |

Instrument :

FID\_E

ClientSampleId :

TP-02-MHF

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025

|     |        |        |        |       |        |         |        |        |
|-----|--------|--------|--------|-------|--------|---------|--------|--------|
|     |        |        |        |       |        |         |        |        |
|     |        |        |        | rters |        |         |        |        |
| 247 | 17.143 | 17.107 | 17.176 | VV    | 60002  | 978989  | 9.90%  | 0.587% |
| 248 | 17.191 | 17.176 | 17.234 | VV    | 10834  | 267851  |        |        |
| 249 | 17.289 | 17.234 | 17.330 | VV    | 19872  | 690708  |        |        |
| 250 | 17.346 | 17.330 | 17.367 | VV    | 8825   | 152099  |        |        |
|     |        |        |        |       |        |         |        |        |
| 251 | 17.407 | 17.367 | 17.486 | VV    | 35529  | 1343965 | 13.43% | 0.231% |
| 252 | 17.542 | 17.486 | 17.555 | VV    | 18039  | 482800  |        |        |
| 253 | 17.569 | 17.555 | 17.607 | VV    | 20989  | 386123  | 3.90%  | 0.231% |
| 254 | 17.634 | 17.607 | 17.654 | VV    | 14604  | 282937  | 2.86%  | 0.170% |
| 255 | 17.663 | 17.654 | 17.681 | VV    | 10255  | 153602  | 1.55%  | 0.092% |
|     |        |        |        |       |        |         |        |        |
| 256 | 17.703 | 17.681 | 17.787 | VV    | 26874  | 734399  | 7.42%  | 0.440% |
| 257 | 17.827 | 17.787 | 17.873 | VV    | 11506  | 320617  | 3.24%  | 0.192% |
| 258 | 17.900 | 17.873 | 17.929 | VV    | 4760   | 131775  | 1.33%  | 0.079% |
| 259 | 18.008 | 17.929 | 18.029 | VV    | 15956  | 492018  | 4.97%  | 0.295% |
| 260 | 18.041 | 18.029 | 18.069 | VV    | 10590  | 189881  | 1.92%  | 0.114% |
|     |        |        |        |       |        |         |        |        |
| 261 | 18.138 | 18.069 | 18.166 | VV    | 17788  | 539161  | 5.45%  | 0.323% |
| 262 | 18.192 | 18.166 | 18.262 | VV    | 12969  | 584108  | 5.91%  | 0.350% |
| 263 | 18.272 | 18.262 | 18.297 | VV    | 7163   | 128299  | 1.30%  | 0.077% |
| 264 | 18.330 | 18.297 | 18.386 | VV    | 42424  | 997555  | 10.09% | 0.598% |
| 265 | 18.426 | 18.386 | 18.491 | VV    | 125403 | 2833252 | 28.64% | 1.697% |
|     |        |        |        |       |        |         |        |        |
| 266 | 18.508 | 18.491 | 18.534 | VV    | 21087  | 421741  | 4.26%  | 0.253% |
| 267 | 18.558 | 18.534 | 18.573 | VV    | 31716  | 523933  | 5.30%  | 0.314% |
| 268 | 18.588 | 18.573 | 18.650 | VV    | 28577  | 841716  | 8.51%  | 0.504% |
| 269 | 18.680 | 18.650 | 18.737 | VV    | 107708 | 2024552 | 20.47% | 1.213% |
| 270 | 18.760 | 18.737 | 18.784 | VV    | 14074  | 353159  | 3.57%  | 0.212% |
|     |        |        |        |       |        |         |        |        |
| 271 | 18.820 | 18.784 | 18.891 | VV    | 41644  | 1230700 | 12.44% | 0.737% |
| 272 | 18.935 | 18.891 | 18.961 | VV    | 13009  | 382833  | 3.87%  | 0.229% |
| 273 | 18.993 | 18.961 | 19.015 | VV    | 12712  | 327648  | 3.31%  | 0.196% |
| 274 | 19.029 | 19.015 | 19.051 | VV    | 10554  | 206148  | 2.08%  | 0.124% |
| 275 | 19.119 | 19.051 | 19.175 | VV    | 16038  | 799443  | 8.08%  | 0.479% |
|     |        |        |        |       |        |         |        |        |
| 276 | 19.203 | 19.175 | 19.230 | VV    | 18368  | 459476  | 4.65%  | 0.275% |
| 277 | 19.265 | 19.230 | 19.304 | VV    | 15586  | 598792  | 6.05%  | 0.359% |
| 278 | 19.319 | 19.304 | 19.343 | VV    | 13503  | 285873  | 2.89%  | 0.171% |
| 279 | 19.372 | 19.343 | 19.418 | VV    | 14769  | 500866  | 5.06%  | 0.300% |
| 280 | 19.436 | 19.418 | 19.471 | VV    | 9507   | 265983  | 2.69%  | 0.159% |
|     |        |        |        |       |        |         |        |        |
| 281 | 19.543 | 19.471 | 19.594 | VV    | 8507   | 552709  | 5.59%  | 0.331% |
| 282 | 19.650 | 19.594 | 19.671 | VV    | 10939  | 419875  | 4.24%  | 0.252% |
| 283 | 19.699 | 19.671 | 19.719 | VV    | 11032  | 287301  | 2.90%  | 0.172% |
| 284 | 19.744 | 19.719 | 19.798 | VV    | 11881  | 508156  | 5.14%  | 0.304% |
| 285 | 19.853 | 19.798 | 19.890 | VV    | 34972  | 1181783 | 11.95% | 0.708% |
|     |        |        |        |       |        |         |        |        |
| 286 | 19.919 | 19.890 | 19.956 | VV    | 38740  | 1120840 | 11.33% | 0.672% |
| 287 | 19.978 | 19.956 | 20.031 | VV    | 25588  | 1001475 | 10.12% | 0.600% |
| 288 | 20.045 | 20.031 | 20.101 | VV    | 20017  | 701565  | 7.09%  | 0.420% |
| 289 | 20.145 | 20.101 | 20.194 | VV    | 17633  | 842301  | 8.52%  | 0.505% |
| 290 | 20.240 | 20.194 | 20.291 | VV    | 35792  | 1480911 | 14.97% | 0.887% |
|     |        |        |        |       |        |         |        |        |
| 291 | 20.313 | 20.291 | 20.334 | VV    | 25680  | 635901  | 6.43%  | 0.381% |
| 292 | 20.375 | 20.334 | 20.413 | VV    | 26508  | 1126440 | 11.39% | 0.675% |
| 293 | 20.428 | 20.413 | 20.462 | VV    | 22201  | 608117  | 6.15%  | 0.364% |
| 294 | 20.527 | 20.462 | 20.554 | VV    | 23181  | 1149728 | 11.62% | 0.689% |
| 295 | 20.571 | 20.554 | 20.624 | VV    | 20947  | 828245  | 8.37%  | 0.496% |
|     |        |        |        |       |        |         |        |        |
| 296 | 20.636 | 20.624 | 20.668 | VV    | 19414  | 499871  | 5.05%  | 0.299% |
| 297 | 20.735 | 20.668 | 20.794 | VV    | 21464  | 1506098 | 15.23% | 0.902% |
| 298 | 20.830 | 20.794 | 20.871 | VV    | 19662  | 859433  | 8.69%  | 0.515% |
| 299 | 20.911 | 20.871 | 20.931 | VV    | 18854  | 665027  | 6.72%  | 0.398% |

Instrument :

FID\_E

ClientSampleId :

TP-02-MHF

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025

|                         |        |        |        |    |           |         |       |        |
|-------------------------|--------|--------|--------|----|-----------|---------|-------|--------|
|                         |        |        |        |    | rters     |         |       |        |
| 300                     | 20.949 | 20.931 | 20.969 | VV | 18630     | 407750  | 4.12% | 0.244% |
| 301                     | 20.988 | 20.969 | 21.030 | VV | 18273     | 653922  |       |        |
| 302                     | 21.039 | 21.030 | 21.079 | VV | 17327     | 496741  |       |        |
| 303                     | 21.106 | 21.079 | 21.195 | VV | 16893     | 1079412 |       |        |
| 304                     | 21.209 | 21.195 | 21.218 | VV | 14312     | 193059  |       |        |
| 305                     | 21.249 | 21.218 | 21.260 | VV | 14240     | 358897  |       |        |
| 306                     | 21.272 | 21.260 | 21.301 | VV | 14365     | 344090  | 3.48% | 0.206% |
| 307                     | 21.321 | 21.301 | 21.345 | VV | 14453     | 373661  | 3.78% | 0.224% |
| 308                     | 21.365 | 21.345 | 21.398 | VV | 13731     | 420242  | 4.25% | 0.252% |
| 309                     | 21.407 | 21.398 | 21.429 | VV | 12894     | 227639  | 2.30% | 0.136% |
| 310                     | 21.439 | 21.429 | 21.458 | VV | 12230     | 211167  | 2.13% | 0.127% |
| 311                     | 21.504 | 21.458 | 21.542 | VV | 12191     | 597520  | 6.04% | 0.358% |
| 312                     | 21.552 | 21.542 | 21.574 | VV | 11461     | 215799  | 2.18% | 0.129% |
| 313                     | 21.581 | 21.574 | 21.611 | VV | 11396     | 236098  | 2.39% | 0.141% |
| 314                     | 21.626 | 21.611 | 21.648 | VV | 10679     | 231271  | 2.34% | 0.139% |
| 315                     | 21.686 | 21.648 | 21.713 | VV | 10525     | 395839  | 4.00% | 0.237% |
| 316                     | 21.727 | 21.713 | 21.750 | VV | 10351     | 227558  | 2.30% | 0.136% |
| 317                     | 21.758 | 21.750 | 21.858 | VV | 10141     | 559386  | 5.66% | 0.335% |
| 318                     | 21.865 | 21.858 | 21.908 | VV | 7638      | 223480  | 2.26% | 0.134% |
| 319                     | 21.917 | 21.908 | 21.934 | VV | 7544      | 117905  | 1.19% | 0.071% |
| 320                     | 21.973 | 21.934 | 22.070 | VV | 7291      | 539710  | 5.46% | 0.323% |
| 321                     | 22.086 | 22.070 | 22.100 | VV | 5505      | 96015   | 0.97% | 0.058% |
| 322                     | 22.115 | 22.100 | 22.171 | VV | 5702      | 217711  | 2.20% | 0.130% |
| 323                     | 22.179 | 22.171 | 22.192 | VV | 4674      | 55566   | 0.56% | 0.033% |
| 324                     | 22.200 | 22.192 | 22.228 | VV | 4332      | 88479   | 0.89% | 0.053% |
| 325                     | 22.241 | 22.228 | 22.304 | VV | 3913      | 151507  | 1.53% | 0.091% |
| 326                     | 22.335 | 22.304 | 22.400 | VV | 2718      | 113018  | 1.14% | 0.068% |
| 327                     | 22.414 | 22.400 | 22.456 | VV | 1107      | 20489   | 0.21% | 0.012% |
| Sum of corrected areas: |        |        |        |    | 166908064 |         |       |        |

Instrument :  
FID\_E  
ClientSampleId :  
TP-02-MHF

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/27/2025  
Supervised By :mohammad ahmed 05/29/2025

Aliphatic EPH 051425.M Sat May 24 00:08:48 2025