

rteres

Instrument :

FID\_E

ClientSampleId :

SOIL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025

Supervised By :mohammad ahmed 03/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE03062  
Data File : FE052661.D  
Signal(s) : FID1B.ch  
Acq On : 06 Mar 2025 15:48  
Sample : Q1494-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 030325.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         | 2.833       | 2.804        | 2.848      | BV       | 203            | 1676         | 0.02%          | 0.006%        |
| 2         | 2.867       | 2.848        | 2.898      | VV       | 240            | 3530         | 0.05%          | 0.012%        |
| 3         | 2.900       | 2.898        | 2.909      | VV       | 84             | 266          | 0.00%          | 0.001%        |
| 4         | 2.929       | 2.909        | 2.938      | PV       | 118            | 1183         | 0.02%          | 0.004%        |
| 5         | 2.983       | 2.938        | 3.014      | VV       | 162            | 4979         | 0.07%          | 0.017%        |
| 6         | 3.066       | 3.014        | 3.132      | PV       | 1806           | 30894        | 0.45%          | 0.108%        |
| 7         | 3.138       | 3.132        | 3.198      | VV       | 361            | 9149         | 0.13%          | 0.032%        |
| 8         | 3.234       | 3.198        | 3.271      | VV       | 432            | 10755        | 0.16%          | 0.038%        |
| 9         | 3.283       | 3.271        | 3.294      | VV       | 128            | 1412         | 0.02%          | 0.005%        |
| 10        | 3.323       | 3.294        | 3.351      | VV       | 169            | 4008         | 0.06%          | 0.014%        |
| 11        | 3.364       | 3.351        | 3.381      | VV       | 312            | 4898         | 0.07%          | 0.017%        |
| 12        | 3.398       | 3.381        | 3.418      | VV       | 359            | 6533         | 0.09%          | 0.023%        |
| 13        | 3.438       | 3.418        | 3.515      | VV       | 9097           | 97529        | 1.41%          | 0.342%        |
| 14        | 3.537       | 3.515        | 3.588      | VV       | 345            | 10890        | 0.16%          | 0.038%        |
| 15        | 3.619       | 3.588        | 3.674      | VV       | 1989           | 51153        | 0.74%          | 0.179%        |
| 16        | 3.691       | 3.674        | 3.707      | VV       | 683            | 11194        | 0.16%          | 0.039%        |
| 17        | 3.730       | 3.707        | 3.818      | VV       | 9403           | 109565       | 1.58%          | 0.384%        |
| 18        | 3.847       | 3.818        | 3.901      | VV       | 5812           | 67562        | 0.98%          | 0.237%        |
| 19        | 3.932       | 3.901        | 4.026      | VV       | 18626          | 206462       | 2.98%          | 0.724%        |
| 20        | 4.059       | 4.026        | 4.148      | VV       | 1957           | 45797        | 0.66%          | 0.161%        |
| 21        | 4.151       | 4.148        | 4.214      | VV       | 349            | 9886         | 0.14%          | 0.035%        |
| 22        | 4.243       | 4.214        | 4.262      | VV       | 1755           | 25201        | 0.36%          | 0.088%        |
| 23        | 4.278       | 4.262        | 4.360      | VV       | 1356           | 28130        | 0.41%          | 0.099%        |
| 24        | 4.376       | 4.360        | 4.437      | VV       | 561            | 15058        | 0.22%          | 0.053%        |
| 25        | 4.454       | 4.437        | 4.471      | VV       | 296            | 5405         | 0.08%          | 0.019%        |
| 26        | 4.530       | 4.471        | 4.572      | VV       | 934            | 29697        | 0.43%          | 0.104%        |
| 27        | 4.580       | 4.572        | 4.624      | VV       | 373            | 8971         | 0.13%          | 0.031%        |
| 28        | 4.636       | 4.624        | 4.661      | VV       | 296            | 4585         | 0.07%          | 0.016%        |
| 29        | 4.683       | 4.661        | 4.738      | VV       | 583            | 11201        | 0.16%          | 0.039%        |
| 30        | 4.752       | 4.738        | 4.785      | VV       | 163            | 3698         | 0.05%          | 0.013%        |
| 31        | 4.797       | 4.785        | 4.816      | VV       | 250            | 3259         | 0.05%          | 0.011%        |
| 32        | 4.823       | 4.816        | 4.882      | VV       | 162            | 5277         | 0.08%          | 0.018%        |
| 33        | 4.895       | 4.882        | 4.944      | VV       | 163            | 4895         | 0.07%          | 0.017%        |
| 34        | 4.955       | 4.944        | 4.987      | VV       | 145            | 2640         | 0.04%          | 0.009%        |
| 35        | 4.998       | 4.987        | 5.051      | VV       | 116            | 3009         | 0.04%          | 0.011%        |
| 36        | 5.057       | 5.051        | 5.140      | VV       | 99             | 4036         | 0.06%          | 0.014%        |

|    |       |       |       |    |      |       |       |        |
|----|-------|-------|-------|----|------|-------|-------|--------|
| 37 | 5.170 | 5.140 | 5.216 | VV | 234  | 5430  | 0.08% | 0.019% |
| 38 | 5.227 | 5.216 | 5.235 | VV | 73   | 856   |       |        |
| 39 | 5.242 | 5.235 | 5.298 | VV | 107  | 2436  |       |        |
| 40 | 5.302 | 5.298 | 5.316 | VV | 120  | 645   |       |        |
| 41 | 5.341 | 5.316 | 5.394 | PV | 176  | 3760  |       |        |
| 42 | 5.403 | 5.394 | 5.422 | VV | 134  | 1433  |       |        |
| 43 | 5.429 | 5.422 | 5.441 | VV | 94   | 745   | 0.01% | 0.003% |
| 44 | 5.462 | 5.441 | 5.592 | VV | 909  | 16340 | 0.24% | 0.057% |
| 45 | 5.598 | 5.592 | 5.604 | VV | 54   | 380   | 0.01% | 0.001% |
| 46 | 5.613 | 5.604 | 5.644 | VV | 99   | 967   | 0.01% | 0.003% |
| 47 | 5.654 | 5.644 | 5.668 | VV | 71   | 881   | 0.01% | 0.003% |
| 48 | 5.695 | 5.668 | 5.759 | VV | 5100 | 69342 | 1.00% | 0.243% |
| 49 | 5.771 | 5.759 | 5.812 | VV | 345  | 7269  | 0.10% | 0.025% |
| 50 | 5.823 | 5.812 | 5.868 | VV | 213  | 4452  | 0.06% | 0.016% |
| 51 | 5.890 | 5.868 | 5.948 | VV | 261  | 8709  | 0.13% | 0.031% |
| 52 | 5.962 | 5.948 | 6.016 | VV | 336  | 7269  | 0.11% | 0.025% |
| 53 | 6.032 | 6.016 | 6.062 | VV | 182  | 3244  | 0.05% | 0.011% |
| 54 | 6.082 | 6.062 | 6.101 | VV | 109  | 1724  | 0.02% | 0.006% |
| 55 | 6.141 | 6.101 | 6.154 | VV | 100  | 1682  | 0.02% | 0.006% |
| 56 | 6.164 | 6.154 | 6.181 | VV | 71   | 794   | 0.01% | 0.003% |
| 57 | 6.231 | 6.181 | 6.317 | VV | 1220 | 24094 | 0.35% | 0.084% |
| 58 | 6.325 | 6.317 | 6.371 | VV | 152  | 4039  | 0.06% | 0.014% |
| 59 | 6.405 | 6.371 | 6.436 | VV | 497  | 8612  | 0.12% | 0.030% |
| 60 | 6.453 | 6.436 | 6.510 | VV | 184  | 5880  | 0.08% | 0.021% |
| 61 | 6.535 | 6.510 | 6.566 | VV | 498  | 10236 | 0.15% | 0.036% |
| 62 | 6.580 | 6.566 | 6.680 | VV | 407  | 12311 | 0.18% | 0.043% |
| 63 | 6.695 | 6.680 | 6.712 | VV | 212  | 2845  | 0.04% | 0.010% |
| 64 | 6.736 | 6.712 | 6.750 | VV | 144  | 2560  | 0.04% | 0.009% |
| 65 | 6.775 | 6.750 | 6.844 | VV | 2245 | 34866 | 0.50% | 0.122% |
| 66 | 6.854 | 6.844 | 6.897 | VV | 175  | 3500  | 0.05% | 0.012% |
| 67 | 6.912 | 6.897 | 6.941 | VV | 166  | 2116  | 0.03% | 0.007% |
| 68 | 6.953 | 6.941 | 6.996 | VV | 152  | 2282  | 0.03% | 0.008% |
| 69 | 7.025 | 6.996 | 7.101 | PV | 186  | 3959  | 0.06% | 0.014% |
| 70 | 7.111 | 7.101 | 7.133 | VV | 52   | 472   | 0.01% | 0.002% |
| 71 | 7.192 | 7.133 | 7.203 | PV | 187  | 3779  | 0.05% | 0.013% |
| 72 | 7.235 | 7.203 | 7.292 | VV | 302  | 9250  | 0.13% | 0.032% |
| 73 | 7.334 | 7.292 | 7.348 | VV | 262  | 5615  | 0.08% | 0.020% |
| 74 | 7.369 | 7.348 | 7.408 | VV | 564  | 10660 | 0.15% | 0.037% |
| 75 | 7.418 | 7.408 | 7.457 | VV | 245  | 4905  | 0.07% | 0.017% |
| 76 | 7.548 | 7.457 | 7.578 | VV | 319  | 13980 | 0.20% | 0.049% |
| 77 | 7.595 | 7.578 | 7.628 | VV | 190  | 4835  | 0.07% | 0.017% |
| 78 | 7.645 | 7.628 | 7.685 | VV | 369  | 6983  | 0.10% | 0.024% |
| 79 | 7.715 | 7.685 | 7.731 | VV | 132  | 2490  | 0.04% | 0.009% |
| 80 | 7.766 | 7.731 | 7.794 | VV | 195  | 3794  | 0.05% | 0.013% |
| 81 | 7.803 | 7.794 | 7.852 | VV | 135  | 1994  | 0.03% | 0.007% |
| 82 | 7.892 | 7.852 | 7.908 | VV | 107  | 1753  | 0.03% | 0.006% |
| 83 | 8.060 | 8.042 | 8.085 | VV | 839  | 17847 | 0.26% | 0.063% |
| 84 | 8.102 | 8.085 | 8.121 | VV | 1175 | 16236 | 0.23% | 0.057% |
| 85 | 8.137 | 8.121 | 8.198 | VV | 484  | 13306 | 0.19% | 0.047% |
| 86 | 8.221 | 8.198 | 8.238 | VV | 205  | 3700  | 0.05% | 0.013% |
| 87 | 8.261 | 8.238 | 8.334 | VV | 222  | 8854  | 0.13% | 0.031% |
| 88 | 8.351 | 8.334 | 8.374 | VV | 165  | 3440  | 0.05% | 0.012% |
| 89 | 8.424 | 8.374 | 8.442 | VV | 338  | 8167  | 0.12% | 0.029% |

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Supervised By :mohammad ahmed 03/08/2025

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 90  | 8.468  | 8.442  | 8.509  | VV | 1605   | 31014   | 0.45%  | 0.109% |
| 91  | 8.529  | 8.509  | 8.571  | VV | 957    | 19818   |        |        |
| 92  | 8.585  | 8.571  | 8.615  | VV | 232    | 4735    |        |        |
| 93  | 8.635  | 8.615  | 8.658  | VV | 155    | 3914    |        |        |
| 94  | 8.666  | 8.658  | 8.711  | VV | 233    | 4192    |        |        |
| 95  | 8.720  | 8.711  | 8.753  | VV | 141    | 1974    |        |        |
| 96  | 8.763  | 8.753  | 8.795  | VV | 144    | 1843    | 0.03%  | 0.006% |
| 97  | 8.964  | 8.952  | 8.988  | VV | 513    | 8934    | 0.13%  | 0.031% |
| 98  | 9.010  | 8.988  | 9.054  | VV | 570    | 16738   | 0.24%  | 0.059% |
| 99  | 9.070  | 9.054  | 9.117  | VV | 426    | 10011   | 0.14%  | 0.035% |
| 100 | 9.143  | 9.117  | 9.227  | VV | 483    | 16463   | 0.24%  | 0.058% |
| 101 | 9.234  | 9.227  | 9.258  | VV | 223    | 3506    | 0.05%  | 0.012% |
| 102 | 9.279  | 9.258  | 9.331  | VV | 467    | 9981    | 0.14%  | 0.035% |
| 103 | 9.363  | 9.331  | 9.378  | VV | 935    | 14556   | 0.21%  | 0.051% |
| 104 | 9.415  | 9.378  | 9.462  | VV | 1598   | 37867   | 0.55%  | 0.133% |
| 105 | 9.467  | 9.462  | 9.501  | VV | 198    | 2818    | 0.04%  | 0.010% |
| 106 | 9.513  | 9.501  | 9.526  | VV | 132    | 1635    | 0.02%  | 0.006% |
| 107 | 9.551  | 9.526  | 9.588  | VV | 195    | 4260    | 0.06%  | 0.015% |
| 108 | 9.599  | 9.588  | 9.630  | VV | 105    | 1497    | 0.02%  | 0.005% |
| 109 | 9.645  | 9.630  | 9.673  | VV | 103    | 1405    | 0.02%  | 0.005% |
| 110 | 9.707  | 9.673  | 9.723  | VV | 167    | 2437    | 0.04%  | 0.009% |
| 111 | 9.742  | 9.723  | 9.774  | VV | 332    | 5885    | 0.09%  | 0.021% |
| 112 | 9.810  | 9.774  | 9.848  | VV | 265    | 8409    | 0.12%  | 0.029% |
| 113 | 9.859  | 9.848  | 9.871  | VV | 144    | 1570    | 0.02%  | 0.006% |
| 114 | 9.897  | 9.871  | 9.951  | VV | 1287   | 18050   | 0.26%  | 0.063% |
| 115 | 10.011 | 9.951  | 10.121 | VV | 139528 | 1514970 | 21.88% | 5.311% |
| 116 | 10.146 | 10.121 | 10.166 | VV | 827    | 15175   | 0.22%  | 0.053% |
| 117 | 10.184 | 10.166 | 10.204 | VV | 714    | 10287   | 0.15%  | 0.036% |
| 118 | 10.222 | 10.204 | 10.237 | VV | 485    | 6581    | 0.10%  | 0.023% |
| 119 | 10.251 | 10.237 | 10.286 | VV | 423    | 6824    | 0.10%  | 0.024% |
| 120 | 10.311 | 10.286 | 10.341 | VV | 204    | 4703    | 0.07%  | 0.016% |
| 121 | 10.351 | 10.341 | 10.384 | VV | 131    | 1680    | 0.02%  | 0.006% |
| 122 | 10.439 | 10.384 | 10.454 | PV | 841    | 13902   | 0.20%  | 0.049% |
| 123 | 10.486 | 10.454 | 10.514 | VV | 19279  | 223353  | 3.23%  | 0.783% |
| 124 | 10.527 | 10.514 | 10.575 | VV | 1135   | 24513   | 0.35%  | 0.086% |
| 125 | 10.590 | 10.575 | 10.612 | VV | 411    | 7964    | 0.12%  | 0.028% |
| 126 | 10.629 | 10.612 | 10.664 | VV | 517    | 8764    | 0.13%  | 0.031% |
| 127 | 10.705 | 10.664 | 10.724 | VV | 788    | 13652   | 0.20%  | 0.048% |
| 128 | 10.777 | 10.724 | 10.808 | VV | 419    | 15890   | 0.23%  | 0.056% |
| 129 | 10.844 | 10.808 | 10.860 | VV | 496    | 11741   | 0.17%  | 0.041% |
| 130 | 10.888 | 10.860 | 10.931 | VV | 899    | 18684   | 0.27%  | 0.066% |
| 131 | 10.960 | 10.931 | 10.970 | VV | 369    | 6049    | 0.09%  | 0.021% |
| 132 | 10.986 | 10.970 | 11.011 | VV | 447    | 7162    | 0.10%  | 0.025% |
| 133 | 11.018 | 11.011 | 11.071 | VV | 233    | 5386    | 0.08%  | 0.019% |
| 134 | 11.107 | 11.071 | 11.128 | VV | 258    | 6152    | 0.09%  | 0.022% |
| 135 | 11.139 | 11.128 | 11.198 | VV | 279    | 5939    | 0.09%  | 0.021% |
| 136 | 11.228 | 11.198 | 11.261 | PV | 1512   | 19354   | 0.28%  | 0.068% |
| 137 | 11.268 | 11.261 | 11.300 | VV | 182    | 3469    | 0.05%  | 0.012% |
| 138 | 11.341 | 11.300 | 11.440 | VV | 237    | 7731    | 0.11%  | 0.027% |
| 139 | 11.455 | 11.440 | 11.484 | VV | 114    | 1713    | 0.02%  | 0.006% |
| 140 | 11.530 | 11.484 | 11.558 | PV | 894    | 16556   | 0.24%  | 0.058% |
| 141 | 11.597 | 11.558 | 11.654 | VV | 806    | 14609   | 0.21%  | 0.051% |

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025

Supervised By :mohammad ahmed 03/08/2025

|         |        |        |        |    |        |         | Instrument : FID_E                       |         |
|---------|--------|--------|--------|----|--------|---------|------------------------------------------|---------|
|         |        |        |        |    |        |         | ClientSampleId :                         |         |
|         |        |        |        |    |        |         | SOIL                                     |         |
| rterres |        |        |        |    |        |         | 0.15% 0.037%                             |         |
| 142     | 11.672 | 11.654 | 11.716 | VV | 568    | 10588   |                                          |         |
| 143     | 11.756 | 11.716 | 11.817 | VV | 4565   | 67624   |                                          |         |
| 144     | 11.854 | 11.817 | 11.878 | PV | 282    | 6819    |                                          |         |
| 145     | 11.916 | 11.878 | 11.966 | VV | 609195 | 6922850 | 100%                                     |         |
|         |        |        |        |    |        |         | Manual IntegrationsAPPROVED              |         |
| 146     | 11.981 | 11.966 | 11.998 | VV | 539    | 9279    | Reviewed By :Yogesh Patel 03/07/2025     |         |
| 147     | 12.022 | 11.998 | 12.081 | VV | 1044   | 31423   | Supervised By :mohammad ahmed 03/08/2025 |         |
| 148     | 12.111 | 12.081 | 12.121 | VV | 325    | 5700    | 0.08%                                    | 0.020%  |
| 149     | 12.134 | 12.121 | 12.174 | VV | 326    | 4777    | 0.07%                                    | 0.017%  |
| 150     | 12.204 | 12.174 | 12.224 | VV | 222    | 2449    | 0.04%                                    | 0.009%  |
|         |        |        |        |    |        |         |                                          |         |
| 151     | 12.267 | 12.224 | 12.298 | VV | 711    | 14331   | 0.21%                                    | 0.050%  |
| 152     | 12.319 | 12.298 | 12.343 | VV | 3662   | 43153   | 0.62%                                    | 0.151%  |
| 153     | 12.358 | 12.343 | 12.387 | VV | 516    | 6348    | 0.09%                                    | 0.022%  |
| 154     | 12.477 | 12.387 | 12.503 | PV | 506    | 9304    | 0.13%                                    | 0.033%  |
| 155     | 12.531 | 12.503 | 12.576 | VV | 3383   | 81471   | 1.18%                                    | 0.286%  |
|         |        |        |        |    |        |         |                                          |         |
| 156     | 12.594 | 12.576 | 12.611 | VV | 2049   | 32520   | 0.47%                                    | 0.114%  |
| 157     | 12.627 | 12.611 | 12.673 | VV | 1551   | 39999   | 0.58%                                    | 0.140%  |
| 158     | 12.688 | 12.673 | 12.708 | VV | 790    | 14324   | 0.21%                                    | 0.050%  |
| 159     | 12.725 | 12.708 | 12.771 | VV | 1096   | 29806   | 0.43%                                    | 0.104%  |
| 160     | 12.787 | 12.771 | 12.814 | VV | 1061   | 15809   | 0.23%                                    | 0.055%  |
|         |        |        |        |    |        |         |                                          |         |
| 161     | 12.842 | 12.814 | 12.876 | VV | 1108   | 23763   | 0.34%                                    | 0.083%  |
| 162     | 12.907 | 12.876 | 12.951 | VV | 1600   | 34759   | 0.50%                                    | 0.122%  |
| 163     | 12.989 | 12.951 | 13.052 | VV | 4311   | 82727   | 1.19%                                    | 0.290%  |
| 164     | 13.058 | 13.052 | 13.099 | VV | 294    | 5103    | 0.07%                                    | 0.018%  |
| 165     | 13.118 | 13.099 | 13.141 | VV | 428    | 6274    | 0.09%                                    | 0.022%  |
|         |        |        |        |    |        |         |                                          |         |
| 166     | 13.165 | 13.141 | 13.198 | VV | 651    | 9356    | 0.14%                                    | 0.033%  |
| 167     | 13.235 | 13.198 | 13.244 | PV | 191    | 3763    | 0.05%                                    | 0.013%  |
| 168     | 13.269 | 13.244 | 13.288 | VV | 592    | 8506    | 0.12%                                    | 0.030%  |
| 169     | 13.360 | 13.288 | 13.388 | VV | 434790 | 5322076 | 76.88%                                   | 18.658% |
| 170     | 13.399 | 13.388 | 13.424 | VV | 6685   | 85547   | 1.24%                                    | 0.300%  |
|         |        |        |        |    |        |         |                                          |         |
| 171     | 13.435 | 13.424 | 13.455 | VV | 1184   | 18027   | 0.26%                                    | 0.063%  |
| 172     | 13.472 | 13.455 | 13.500 | VV | 884    | 15290   | 0.22%                                    | 0.054%  |
| 173     | 13.528 | 13.500 | 13.554 | VV | 1240   | 23445   | 0.34%                                    | 0.082%  |
| 174     | 13.579 | 13.554 | 13.629 | VV | 2003   | 34309   | 0.50%                                    | 0.120%  |
| 175     | 13.664 | 13.629 | 13.708 | VV | 1567   | 30206   | 0.44%                                    | 0.106%  |
|         |        |        |        |    |        |         |                                          |         |
| 176     | 13.748 | 13.708 | 13.776 | VV | 572    | 17450   | 0.25%                                    | 0.061%  |
| 177     | 13.795 | 13.776 | 13.821 | VV | 350    | 5997    | 0.09%                                    | 0.021%  |
| 178     | 13.874 | 13.821 | 13.894 | VV | 465    | 11392   | 0.16%                                    | 0.040%  |
| 179     | 13.960 | 13.894 | 13.998 | VV | 933    | 26933   | 0.39%                                    | 0.094%  |
| 180     | 14.065 | 13.998 | 14.090 | VV | 1351   | 30421   | 0.44%                                    | 0.107%  |
|         |        |        |        |    |        |         |                                          |         |
| 181     | 14.114 | 14.090 | 14.132 | VV | 1742   | 25306   | 0.37%                                    | 0.089%  |
| 182     | 14.142 | 14.132 | 14.187 | VV | 915    | 21382   | 0.31%                                    | 0.075%  |
| 183     | 14.234 | 14.187 | 14.298 | VV | 6040   | 102113  | 1.48%                                    | 0.358%  |
| 184     | 14.340 | 14.298 | 14.372 | VV | 1072   | 32675   | 0.47%                                    | 0.115%  |
| 185     | 14.414 | 14.372 | 14.451 | VV | 1048   | 39287   | 0.57%                                    | 0.138%  |
|         |        |        |        |    |        |         |                                          |         |
| 186     | 14.471 | 14.451 | 14.484 | VV | 1123   | 18649   | 0.27%                                    | 0.065%  |
| 187     | 14.515 | 14.484 | 14.578 | VV | 4354   | 133625  | 1.93%                                    | 0.468%  |
| 188     | 14.606 | 14.578 | 14.619 | VV | 1394   | 30462   | 0.44%                                    | 0.107%  |
| 189     | 14.629 | 14.619 | 14.651 | VV | 1264   | 22855   | 0.33%                                    | 0.080%  |
| 190     | 14.678 | 14.651 | 14.701 | VV | 2372   | 50725   | 0.73%                                    | 0.178%  |
|         |        |        |        |    |        |         |                                          |         |
| 191     | 14.739 | 14.701 | 14.758 | VV | 2041   | 54961   | 0.79%                                    | 0.193%  |
| 192     | 14.779 | 14.758 | 14.838 | VV | 2761   | 89595   | 1.29%                                    | 0.314%  |
| 193     | 14.841 | 14.838 | 14.873 | VV | 1506   | 28388   | 0.41%                                    | 0.100%  |
| 194     | 14.929 | 14.873 | 14.938 | VV | 1625   | 58696   | 0.85%                                    | 0.206%  |

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025  
Supervised By :mohammad ahmed 03/08/2025

|     |        |        |        |    |       |        |       |        |
|-----|--------|--------|--------|----|-------|--------|-------|--------|
| 195 | 14.962 | 14.938 | 15.019 | VV | 1992  | 73128  |       |        |
| 196 | 15.072 | 15.019 | 15.101 | VV | 1749  | 76171  |       |        |
| 197 | 15.116 | 15.101 | 15.132 | VV | 1644  | 29344  |       |        |
| 198 | 15.219 | 15.132 | 15.243 | VV | 2894  | 136504 |       |        |
| 199 | 15.265 | 15.243 | 15.314 | VV | 2973  | 85680  |       |        |
| 200 | 15.324 | 15.314 | 15.336 | VV | 1588  | 20375  |       |        |
| 201 | 15.360 | 15.336 | 15.393 | VV | 1806  | 53946  | 0.78% | 0.189% |
| 202 | 15.422 | 15.393 | 15.442 | VV | 1639  | 43274  | 0.63% | 0.152% |
| 203 | 15.474 | 15.442 | 15.524 | VV | 1564  | 69025  | 1.00% | 0.242% |
| 204 | 15.552 | 15.524 | 15.560 | VV | 1445  | 29308  | 0.42% | 0.103% |
| 205 | 15.608 | 15.560 | 15.689 | VV | 25422 | 579901 | 8.38% | 2.033% |
| 206 | 15.697 | 15.689 | 15.718 | VV | 2148  | 33998  | 0.49% | 0.119% |
| 207 | 15.748 | 15.718 | 15.780 | VV | 3033  | 90794  | 1.31% | 0.318% |
| 208 | 15.812 | 15.780 | 15.857 | VV | 7302  | 148925 | 2.15% | 0.522% |
| 209 | 15.874 | 15.857 | 15.899 | VV | 1467  | 31886  | 0.46% | 0.112% |
| 210 | 15.923 | 15.899 | 15.951 | VV | 1100  | 33021  | 0.48% | 0.116% |
| 211 | 15.963 | 15.951 | 15.969 | VV | 1048  | 10961  | 0.16% | 0.038% |
| 212 | 16.002 | 15.969 | 16.028 | VV | 1125  | 36776  | 0.53% | 0.129% |
| 213 | 16.060 | 16.028 | 16.092 | VV | 1350  | 44433  | 0.64% | 0.156% |
| 214 | 16.136 | 16.092 | 16.183 | VV | 1483  | 64472  | 0.93% | 0.226% |
| 215 | 16.197 | 16.183 | 16.220 | VV | 1075  | 21331  | 0.31% | 0.075% |
| 216 | 16.244 | 16.220 | 16.290 | VV | 2299  | 56802  | 0.82% | 0.199% |
| 217 | 16.305 | 16.290 | 16.340 | VV | 944   | 21997  | 0.32% | 0.077% |
| 218 | 16.355 | 16.340 | 16.404 | VV | 604   | 20059  | 0.29% | 0.070% |
| 219 | 16.438 | 16.404 | 16.465 | VV | 869   | 23637  | 0.34% | 0.083% |
| 220 | 16.537 | 16.465 | 16.561 | VV | 1691  | 45055  | 0.65% | 0.158% |
| 221 | 16.582 | 16.561 | 16.601 | VV | 1138  | 22093  | 0.32% | 0.077% |
| 222 | 16.632 | 16.601 | 16.673 | VV | 2418  | 60635  | 0.88% | 0.213% |
| 223 | 16.689 | 16.673 | 16.708 | VV | 1018  | 17837  | 0.26% | 0.063% |
| 224 | 16.729 | 16.708 | 16.764 | VV | 2644  | 45612  | 0.66% | 0.160% |
| 225 | 16.805 | 16.764 | 16.835 | VV | 1236  | 27498  | 0.40% | 0.096% |
| 226 | 16.872 | 16.835 | 16.901 | VV | 550   | 16572  | 0.24% | 0.058% |
| 227 | 16.904 | 16.901 | 16.924 | VV | 500   | 5320   | 0.08% | 0.019% |
| 228 | 16.950 | 16.924 | 16.980 | VV | 378   | 8160   | 0.12% | 0.029% |
| 229 | 17.081 | 16.980 | 17.111 | VV | 413   | 15514  | 0.22% | 0.054% |
| 230 | 17.118 | 17.111 | 17.141 | VV | 213   | 2779   | 0.04% | 0.010% |
| 231 | 17.197 | 17.141 | 17.228 | VV | 4991  | 80279  | 1.16% | 0.281% |
| 232 | 17.242 | 17.228 | 17.262 | VV | 991   | 14095  | 0.20% | 0.049% |
| 233 | 17.277 | 17.262 | 17.308 | VV | 669   | 8453   | 0.12% | 0.030% |
| 234 | 17.358 | 17.308 | 17.379 | PV | 228   | 5703   | 0.08% | 0.020% |
| 235 | 17.438 | 17.379 | 17.474 | VV | 444   | 10491  | 0.15% | 0.037% |
| 236 | 17.531 | 17.474 | 17.554 | PV | 715   | 13523  | 0.20% | 0.047% |
| 237 | 17.584 | 17.554 | 17.601 | VV | 961   | 19947  | 0.29% | 0.070% |
| 238 | 17.649 | 17.601 | 17.703 | VV | 6801  | 113632 | 1.64% | 0.398% |
| 239 | 17.738 | 17.703 | 17.751 | PV | 548   | 10782  | 0.16% | 0.038% |
| 240 | 17.762 | 17.751 | 17.792 | VV | 503   | 9592   | 0.14% | 0.034% |
| 241 | 17.858 | 17.792 | 17.871 | VV | 226   | 7884   | 0.11% | 0.028% |
| 242 | 17.941 | 17.871 | 17.957 | PV | 251   | 4121   | 0.06% | 0.014% |
| 243 | 17.986 | 17.957 | 17.996 | PV | 426   | 5731   | 0.08% | 0.020% |
| 244 | 18.041 | 17.996 | 18.059 | VV | 2549  | 45384  | 0.66% | 0.159% |
| 245 | 18.088 | 18.059 | 18.118 | VV | 8550  | 132656 | 1.92% | 0.465% |
| 246 | 18.179 | 18.118 | 18.204 | VV | 2884  | 53422  | 0.77% | 0.187% |

Instrument :

FID\_E

ClientSampleId :

SOIL

1.06% 0.256%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025

Supervised By :mohammad ahmed 03/08/2025

| rterres                 |        |        |        |    |       |          |        |        |  |
|-------------------------|--------|--------|--------|----|-------|----------|--------|--------|--|
| 247                     | 18.233 | 18.204 | 18.288 | VV | 2421  | 59379    | 0.86%  | 0.208% |  |
| 248                     | 18.317 | 18.288 | 18.348 | VV | 981   | 21071    |        |        |  |
| 249                     | 18.363 | 18.348 | 18.377 | VV | 337   | 4183     |        |        |  |
| 250                     | 18.409 | 18.377 | 18.428 | VV | 3090  | 47102    |        |        |  |
| 251                     | 18.459 | 18.428 | 18.489 | VV | 7719  | 172252   |        |        |  |
| 252                     | 18.512 | 18.489 | 18.548 | VV | 11192 | 186910   |        |        |  |
| 253                     | 18.568 | 18.548 | 18.580 | VV | 973   | 17984    | 0.26%  | 0.063% |  |
| 254                     | 18.603 | 18.580 | 18.661 | VV | 1716  | 46831    | 0.68%  | 0.164% |  |
| 255                     | 18.668 | 18.661 | 18.690 | VV | 363   | 5260     | 0.08%  | 0.018% |  |
| 256                     | 18.778 | 18.690 | 18.793 | VV | 843   | 30621    | 0.44%  | 0.107% |  |
| 257                     | 18.803 | 18.793 | 18.851 | VV | 627   | 11996    | 0.17%  | 0.042% |  |
| 258                     | 18.920 | 18.851 | 18.965 | PV | 11806 | 202291   | 2.92%  | 0.709% |  |
| 259                     | 19.024 | 18.965 | 19.048 | VV | 2362  | 46093    | 0.67%  | 0.162% |  |
| 260                     | 19.077 | 19.048 | 19.113 | VV | 1242  | 26889    | 0.39%  | 0.094% |  |
| 261                     | 19.185 | 19.113 | 19.207 | VV | 811   | 20835    | 0.30%  | 0.073% |  |
| 262                     | 19.238 | 19.207 | 19.254 | VV | 449   | 10337    | 0.15%  | 0.036% |  |
| 263                     | 19.320 | 19.254 | 19.377 | VV | 10140 | 285367   | 4.12%  | 1.000% |  |
| 264                     | 19.449 | 19.377 | 19.478 | VV | 1021  | 50176    | 0.72%  | 0.176% |  |
| 265                     | 19.518 | 19.478 | 19.538 | VV | 967   | 23677    | 0.34%  | 0.083% |  |
| 266                     | 19.573 | 19.538 | 19.594 | VV | 954   | 19817    | 0.29%  | 0.069% |  |
| 267                     | 19.616 | 19.594 | 19.641 | VV | 815   | 12275    | 0.18%  | 0.043% |  |
| 268                     | 19.708 | 19.641 | 19.738 | PV | 7722  | 121782   | 1.76%  | 0.427% |  |
| 269                     | 19.777 | 19.738 | 19.800 | VV | 2328  | 53981    | 0.78%  | 0.189% |  |
| 270                     | 19.823 | 19.800 | 19.850 | VV | 1819  | 39608    | 0.57%  | 0.139% |  |
| 271                     | 19.885 | 19.850 | 19.921 | VV | 1747  | 44383    | 0.64%  | 0.156% |  |
| 272                     | 19.965 | 19.921 | 19.977 | VV | 1481  | 36930    | 0.53%  | 0.129% |  |
| 273                     | 19.995 | 19.977 | 20.027 | VV | 1436  | 34311    | 0.50%  | 0.120% |  |
| 274                     | 20.082 | 20.027 | 20.111 | VV | 7860  | 189147   | 2.73%  | 0.663% |  |
| 275                     | 20.121 | 20.111 | 20.167 | VV | 1945  | 55724    | 0.80%  | 0.195% |  |
| 276                     | 20.292 | 20.167 | 20.303 | VV | 3776  | 187916   | 2.71%  | 0.659% |  |
| 277                     | 20.327 | 20.303 | 20.342 | VV | 3904  | 86084    | 1.24%  | 0.302% |  |
| 278                     | 20.362 | 20.342 | 20.388 | VV | 3399  | 88986    | 1.29%  | 0.312% |  |
| 279                     | 20.452 | 20.388 | 20.485 | VV | 8538  | 274992   | 3.97%  | 0.964% |  |
| 280                     | 20.612 | 20.485 | 20.634 | VV | 8062  | 513905   | 7.42%  | 1.802% |  |
| 281                     | 20.655 | 20.634 | 20.704 | VV | 6990  | 282492   | 4.08%  | 0.990% |  |
| 282                     | 20.809 | 20.704 | 20.848 | VV | 10755 | 647139   | 9.35%  | 2.269% |  |
| 283                     | 20.859 | 20.848 | 20.908 | VV | 8025  | 275115   | 3.97%  | 0.965% |  |
| 284                     | 21.152 | 20.908 | 21.161 | VV | 7579  | 1165269  | 16.83% | 4.085% |  |
| 285                     | 21.194 | 21.161 | 21.235 | VV | 9535  | 359086   | 5.19%  | 1.259% |  |
| 286                     | 21.379 | 21.235 | 21.444 | VV | 7185  | 867237   | 12.53% | 3.040% |  |
| 287                     | 21.474 | 21.444 | 21.502 | VV | 6372  | 218269   | 3.15%  | 0.765% |  |
| 288                     | 21.522 | 21.502 | 21.559 | VV | 5890  | 193558   | 2.80%  | 0.679% |  |
| 289                     | 21.630 | 21.559 | 21.660 | VV | 6683  | 349662   | 5.05%  | 1.226% |  |
| 290                     | 21.764 | 21.660 | 21.932 | VV | 5382  | 753286   | 10.88% | 2.641% |  |
| 291                     | 22.007 | 21.932 | 22.014 | VV | 2646  | 131099   | 1.89%  | 0.460% |  |
| 292                     | 22.027 | 22.014 | 22.037 | VV | 2434  | 32338    | 0.47%  | 0.113% |  |
| 293                     | 22.121 | 22.037 | 22.253 | VV | 3517  | 248886   | 3.60%  | 0.873% |  |
| 294                     | 22.286 | 22.253 | 22.314 | VV | 385   | 11665    | 0.17%  | 0.041% |  |
| Sum of corrected areas: |        |        |        |    |       | 28523759 |        |        |  |

Instrument :

FID\_E

ClientSampleId :

SOIL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025

Supervised By :mohammad ahmed 03/08/2025