

**REVIEWED**  
By Galina Giso at 11:48 am, Jun 28, 2024

6/27/2024

**Worklist: 6857**

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u> |   |
|-----------------|-------------|------------------|--------------------|---|
| P2024-1892      | 1           | BCK              | Alcohol Analysis   |    |
| P2024-1895      | 1           | BCK              | Alcohol Analysis   |    |
| P2024-1896      | 1           | BCK              | Alcohol Analysis   |    |
| P2024-1916      | 1           | BCK              | Alcohol Analysis   |    |
| P2024-1920      | 1           | BCK              | Alcohol Analysis   |    |
| P2024-1922      | 1           | BCK              | Alcohol Analysis   |    |
| P2024-1924      | 1           | BCK              | Alcohol Analysis   |    |
| P2024-1925      | 1           | BCK              | Alcohol Analysis   |    |
| P2024-1930      | 1           | BCK              | Alcohol Analysis   |    |
| P2024-1931      | 1           | BCK              | Alcohol Analysis   |   |
| P2024-1932      | 1           | BCK              | Alcohol Analysis   |  |
| P2024-1934      | 1           | BCK              | Alcohol Analysis   |  |
| P2024-1935      | 1           | BCK              | Alcohol Analysis   |  |
| P2024-1941      | 1           | BCK              | Alcohol Analysis   |  |
| P2024-1952      | 1           | BCK              | Alcohol Analysis   |  |
| P2024-1955      | 1           | BCK              | Alcohol Analysis   |  |
| P2024-1958      | 1           | BCK              | Alcohol Analysis   |  |
| P2024-1959      | 1           | BCK              | Alcohol Analysis   |  |
| P2024-1961      | 1           | BCK              | Alcohol Analysis   |  |
| P2024-1962      | 1           | BCK              | Alcohol Analysis   |  |



Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600GB9897

Volatiles Quality Assurance Controls

Run Date(s): 06/27/24

Calibration Date: (if different): 06/18/24

Worklist #: 6857

| Control level            | Expiration | Lot #    | Target Value | Acceptable Range | Overall Results                                    |
|--------------------------|------------|----------|--------------|------------------|--|
| Level 1                  | Oct-26     | 2209047  | 0.0877       | 0.0789-0.0964    | 0.0818 g/100cc<br>0.0875 g/100cc<br>0.0887 g/100cc |
| Level 2                  | Mar-26     | 2110181  | 0.2030       | 0.1827-0.2233    | 0.2049 g/100cc<br>g/100cc<br>g/100cc               |
| Multi-Component mixture: |            | Exp:     | 2024 October | Lot #            |  |
| Curve Fit:               |            | Column 1 | 0.99997      | Column2          | 0.99990  |

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Ethanol Calibration Reference Material

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean    |
|------------------|--------------|------------------|----------|----------|-----------|---------|
| 50               | 0.050        | 0.045 - 0.055    | 0.0509   | 0.0518   | 0.0009    | 0.0513  |
| 100              | 0.100        | 0.090 - 0.110    | 0.1001   | 0.1001   | 0         | 0.1001  |
| 200              | 0.200        | 0.180 - 0.220    | 0.1989   | 0.1981   | 0.0008    | 0.1985  |
| 300              | 0.300        | 0.270 - 0.330    | 0.2990   | 0.2983   | 0.0007    | 0.2986  |
| 400              | 0.400        | 0.360 - 0.440    |          |          | 0         | #DIV/0! |
| 500              | 0.500        | 0.450 - 0.550    | 0.5008   | 0.5015   | 0.0007    | 0.5011  |

Aqueous Controls

| Control level | Target Value | Acceptable Range | Overall Results |
|---------------|--------------|------------------|-----------------|
| 80            | 0.080        | 0.076 - 0.084    | 0.081 g/100cc   |

### Internal Standard Monitoring Worksheet

Worklist #: 6857      Run Date(s): 06/27/24

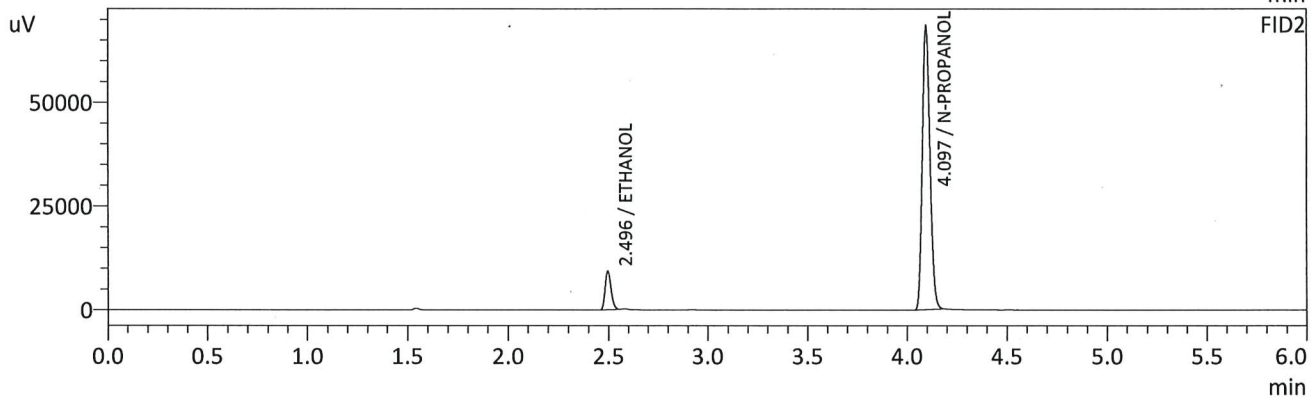
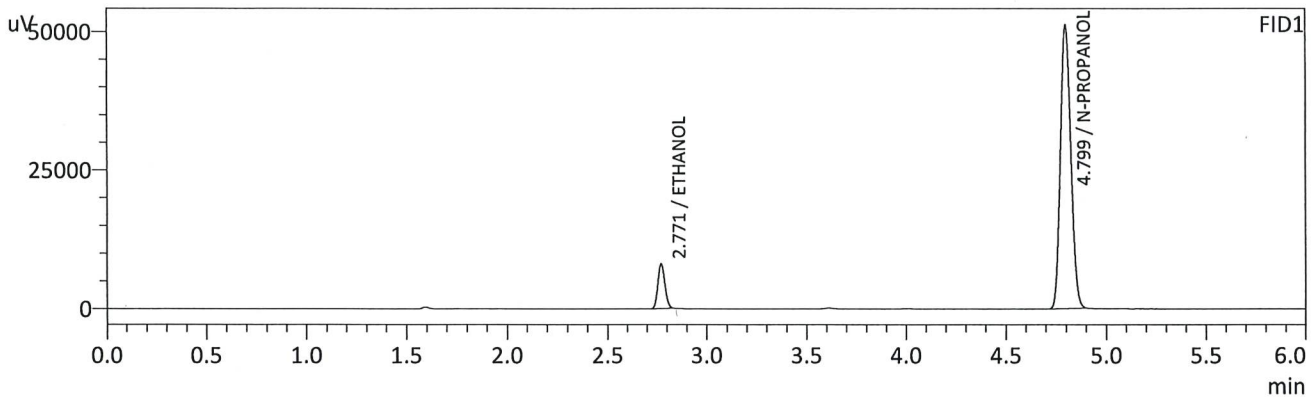
Internal Standard Solution:      Prep Date: 5/30/2024      Exp Date: 11/30/2024

| Sample Name | Column 1 Value | Column 2 Value |
|-------------|----------------|----------------|
| 0.080       | 179251         | 179204         |
| 0.080       | 180024         | 179610         |
| QC1         | 181419         | 181200         |
| QC1         | 181341         | 181219         |
| QC1         | 187164         | 189533         |
| QC1         | 185523         | 187691         |
| QC1         | 194176         | 196808         |
| QC1         | 191439         | 193894         |
| QC2         | 182914         | 182096         |
| QC2         | 184165         | 183215         |
| QC2         |                |                |
| QC2         |                |                |
| QC2         |                |                |
| QC2         |                |                |

| Average              | (-20%)   | (+20%)   |
|----------------------|----------|----------|
| Column 1<br>184741.6 | 147793.3 | 221689.9 |
| Column 2<br>185447.0 | 148357.6 | 222536.4 |



Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_6182024\_001.gcd  
 Method Filename : ALCOHOL\_061824\_RC.gcm  
 Batch Filename : BATCH\_061824\_RC.gcb  
 Date Acquired : 6/18/2024 11:44:55 AM  
 Date Processed : 6/20/2024 9:34:25 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

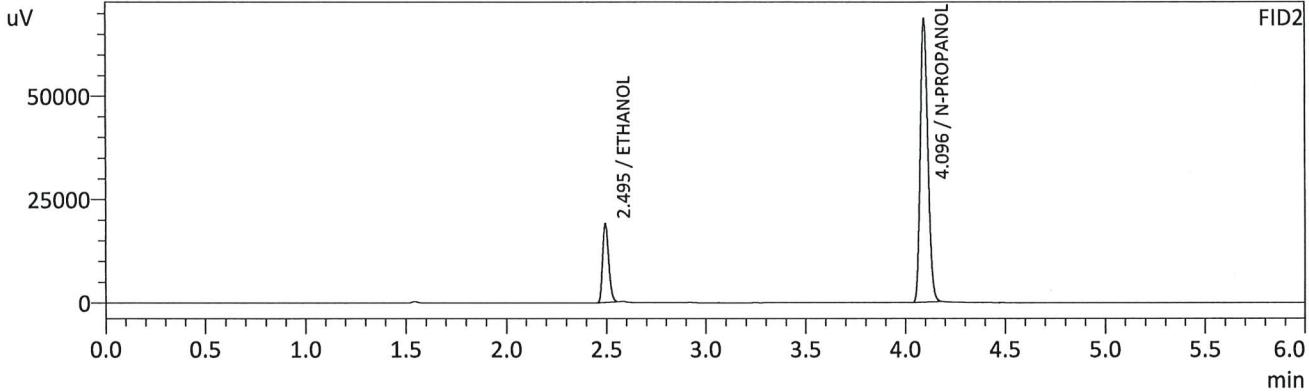
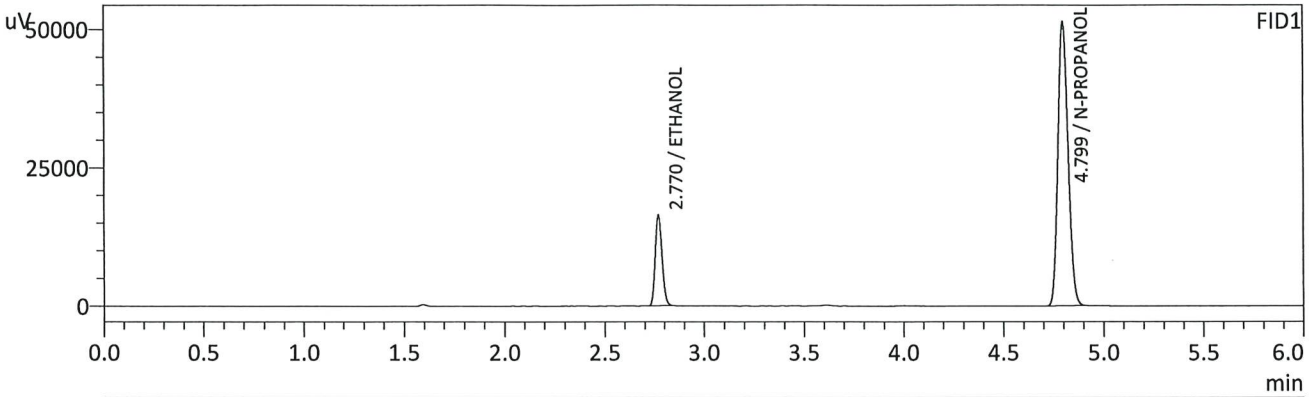
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0509 | g/100cc | 19483  | 8035   |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 181397 | 51116  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0518 | g/100cc | 19184  | 9208   |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 183336 | 68233  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

rc

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_6182024\_002.gcd  
 Method Filename : ALCOHOL\_061824\_RC.gcm  
 Batch Filename : BATCH\_061824\_RC.gcb  
 Date Acquired : 6/18/2024 11:54:25 AM  
 Date Processed : 6/20/2024 9:34:30 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

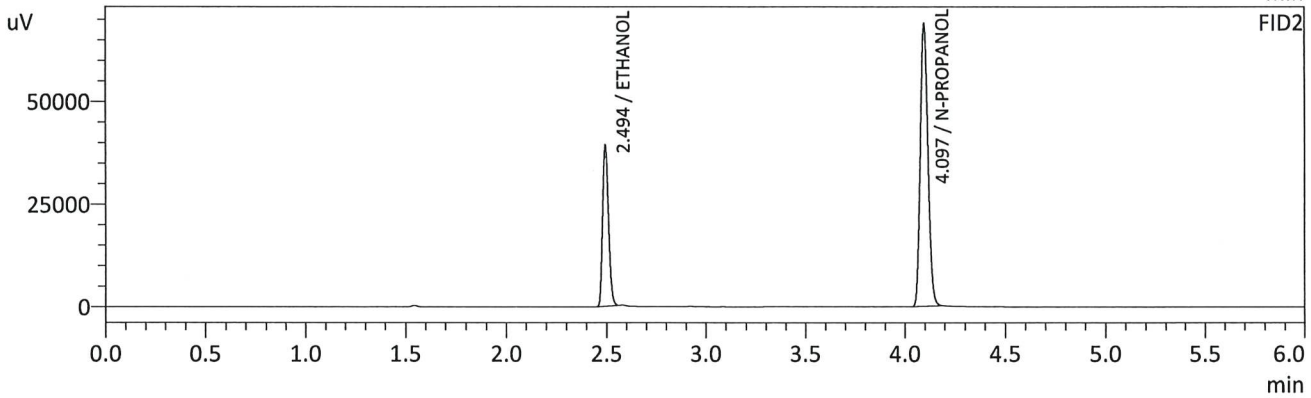
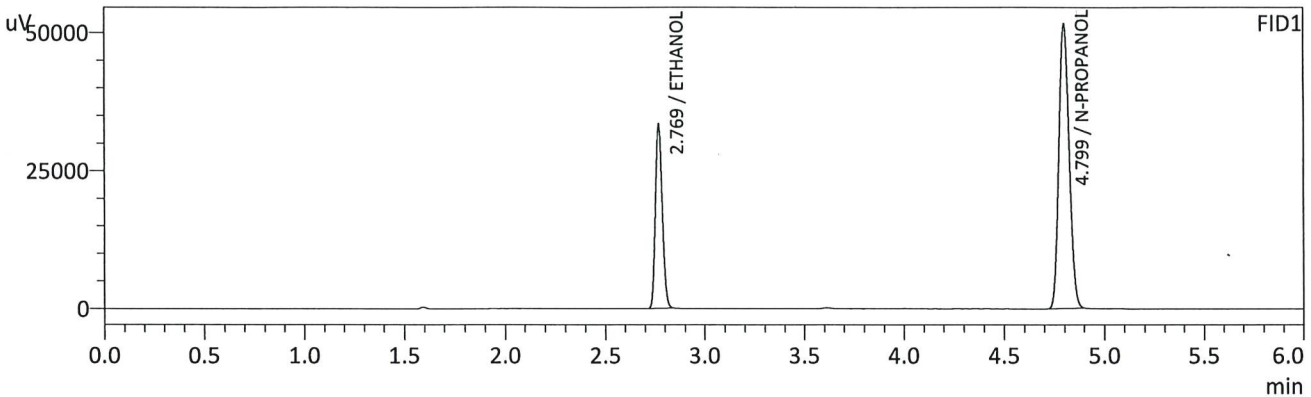
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.1001 | g/100cc | 39444  | 16366  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 181940 | 51252  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.1001 | g/100cc | 39150  | 19054  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 183241 | 68603  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*RC*

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_6182024\_003.gcd  
 Method Filename : ALCOHOL\_061824\_RC.gcm  
 Batch Filename : BATCH\_061824\_RC.gcb  
 Date Acquired : 6/18/2024 12:03:46 PM  
 Date Processed : 6/20/2024 9:34:34 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

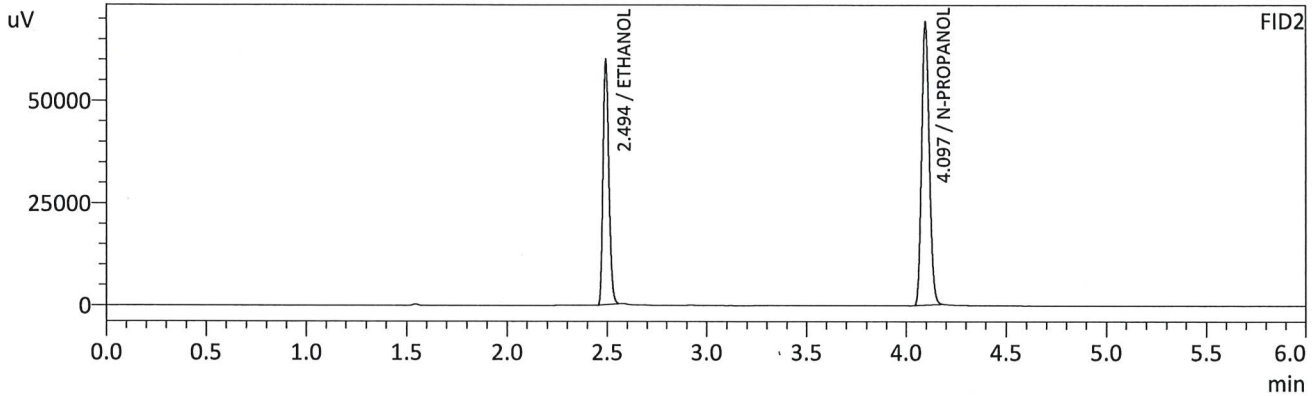
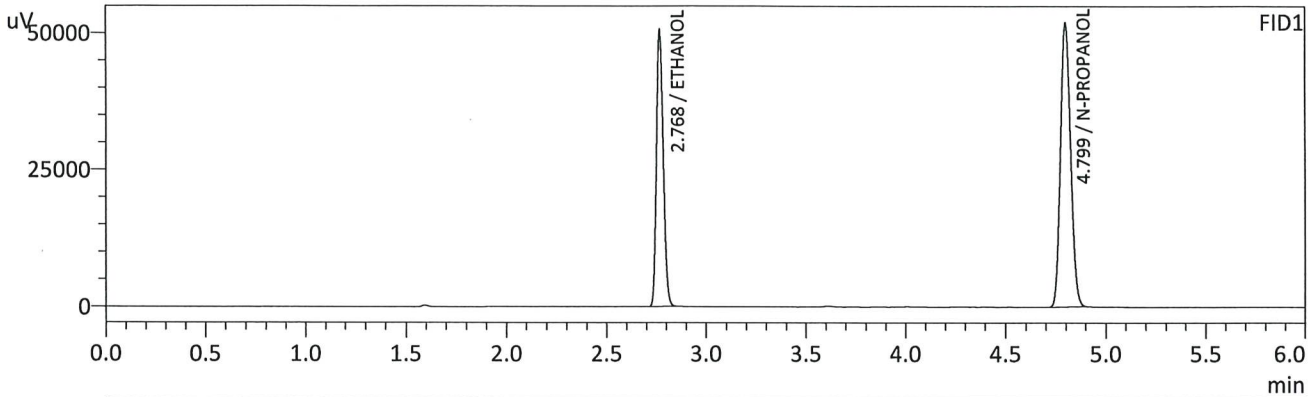
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.1989 | g/100cc | 80172  | 33214  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 183626 | 51515  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.1981 | g/100cc | 80277  | 39211  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 184809 | 68733  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*RC*

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_6182024\_004.gcd  
 Method Filename : ALCOHOL\_061824\_RC.gcm  
 Batch Filename : BATCH\_061824\_RC.gcb  
 Date Acquired : 6/18/2024 12:13:29 PM  
 Date Processed : 6/20/2024 9:34:37 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

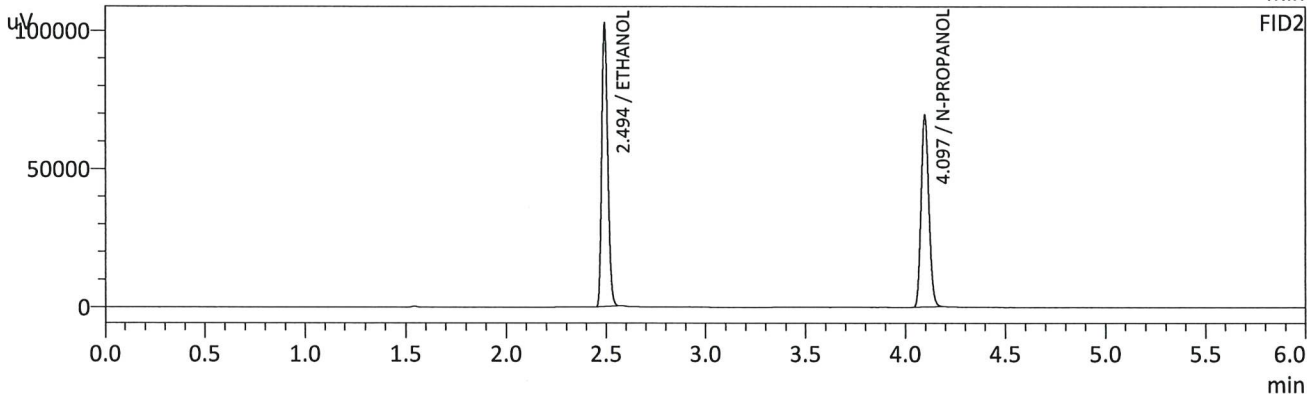
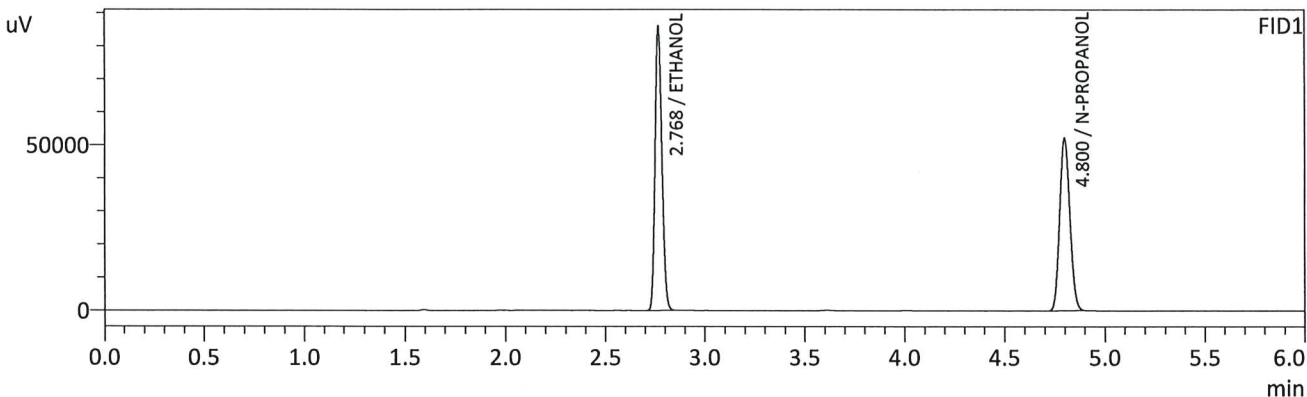
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.2990 | g/100cc | 121217 | 50174  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 183860 | 51823  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.2983 | g/100cc | 121902 | 59618  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 184713 | 68929  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*RC*

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_6182024\_005.gcd  
 Method Filename : ALCOHOL\_061824\_RC.gcm  
 Batch Filename : BATCH\_061824\_RC.gcb  
 Date Acquired : 6/18/2024 12:23:01 PM  
 Date Processed : 6/18/2024 12:29:03 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.5008 | g/100cc | 205094 | 84976  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 185087 | 52115  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.5015 | g/100cc | 207626 | 101791 |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 185751 | 69076  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*pc*



# Calibration Table

Laboratory: Pocatello  
 Instrument Name : GC SN- C12255850662 / HS SN- C12595700014

<<Data File>>  
 Method File :Default Project - ALCOHOL\_061824\_RC.gcm  
 Batch File :Default Project - BATCH\_061824\_RC.gcb  
 Date Acquired :6/18/2024 12:23:01 PM  
 Date Created :6/18/2024 12:19:32 PM  
 Date Modified :6/18/2024 12:29:03 PM



Name : METHANOL  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

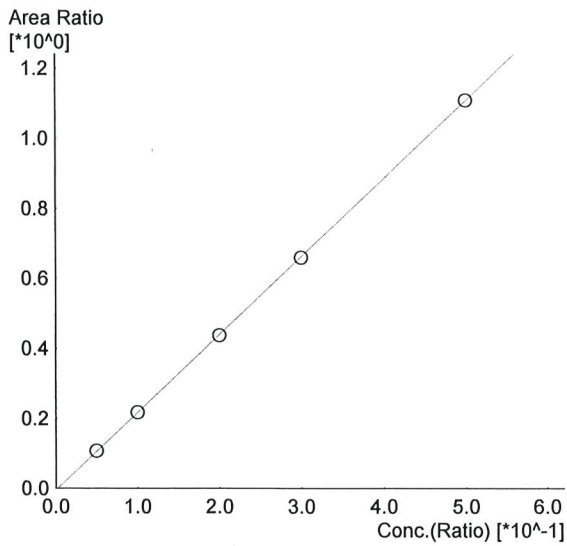
| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|



Name : ACETALDEHYDE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

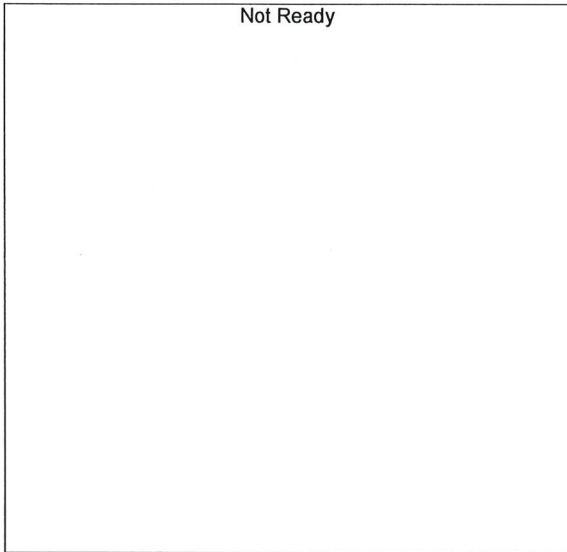
| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|

RC



Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.22440*x-0.00597282$   
 R<sup>2</sup> value= 0.9999719  
 FitType: Linear  
 ZeroThrough: Not Through

| # | Conc. | Area   | Std. Conc. | Data File Name        |
|---|-------|--------|------------|-----------------------|
| 1 | 0.050 | 19483  | 0.0509     | 0.050_6182024_001.gcd |
| 2 | 0.100 | 39444  | 0.1001     | 0.100_6182024_002.gcd |
| 3 | 0.200 | 80172  | 0.1989     | 0.200_6182024_003.gcd |
| 4 | 0.300 | 121217 | 0.2990     | 0.300_6182024_004.gcd |
| 5 | 0.500 | 205094 | 0.5008     | 0.500_6182024_005.gcd |



Name : ISOPROPYL ALCOHOL  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|



Name : ACETONE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|

RC

Not Ready

Name : DFE/TFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|

Not Ready

Name : DME  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

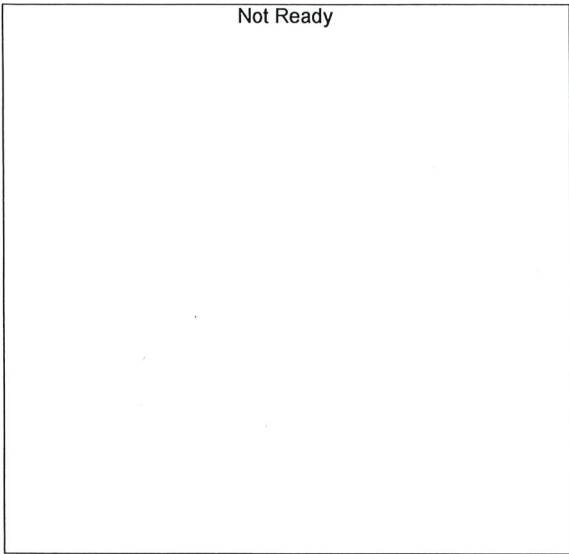
| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|

Not Ready

Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

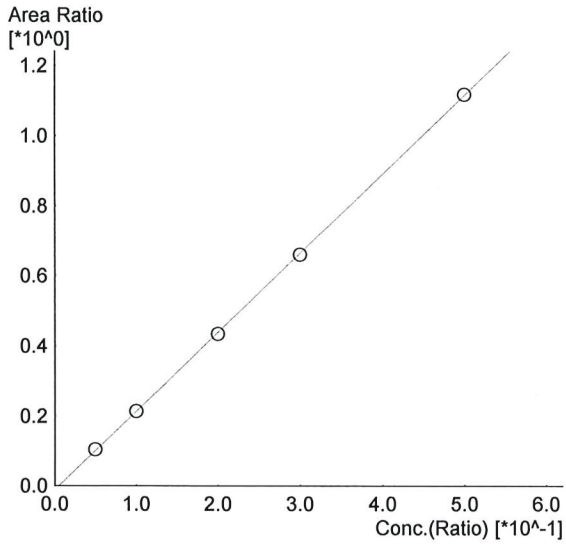
| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|

RC



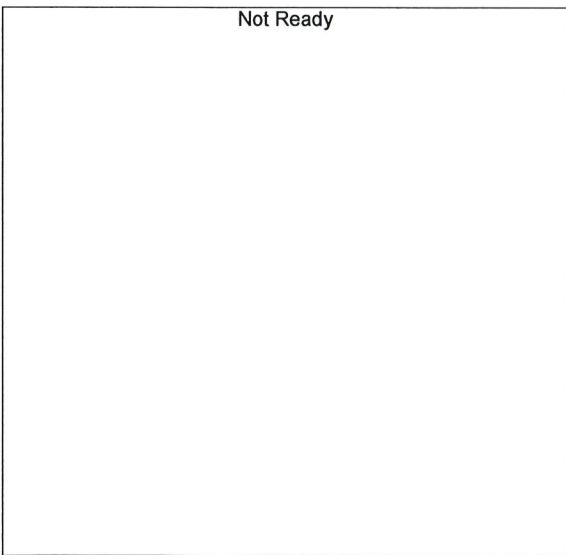
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|



Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.25275*x-0.0120538$   
 R<sup>2</sup> value= 0.9999076 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

| # | Conc. | Area   | Std. Conc. | Data File Name        |
|---|-------|--------|------------|-----------------------|
| 1 | 0.050 | 19184  | 0.0518     | 0.050_6182024_001.gcd |
| 2 | 0.100 | 39150  | 0.1001     | 0.100_6182024_002.gcd |
| 3 | 0.200 | 80277  | 0.1981     | 0.200_6182024_003.gcd |
| 4 | 0.300 | 121902 | 0.2983     | 0.300_6182024_004.gcd |
| 5 | 0.500 | 207626 | 0.5015     | 0.500_6182024_005.gcd |



Name : ACETONE  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|

CRC

Not Ready

Name : ISOPROPYL ALCOHOL  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|

Not Ready

Name : DFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

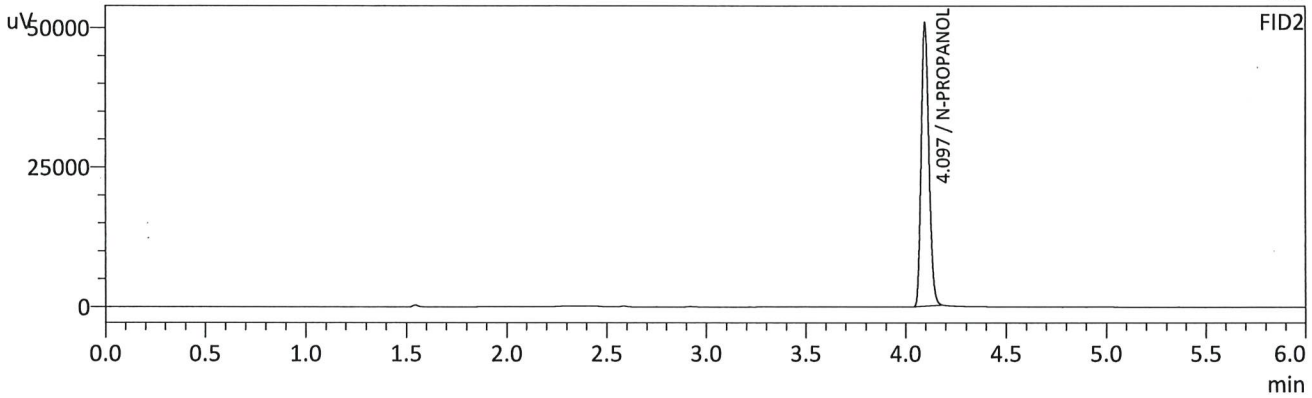
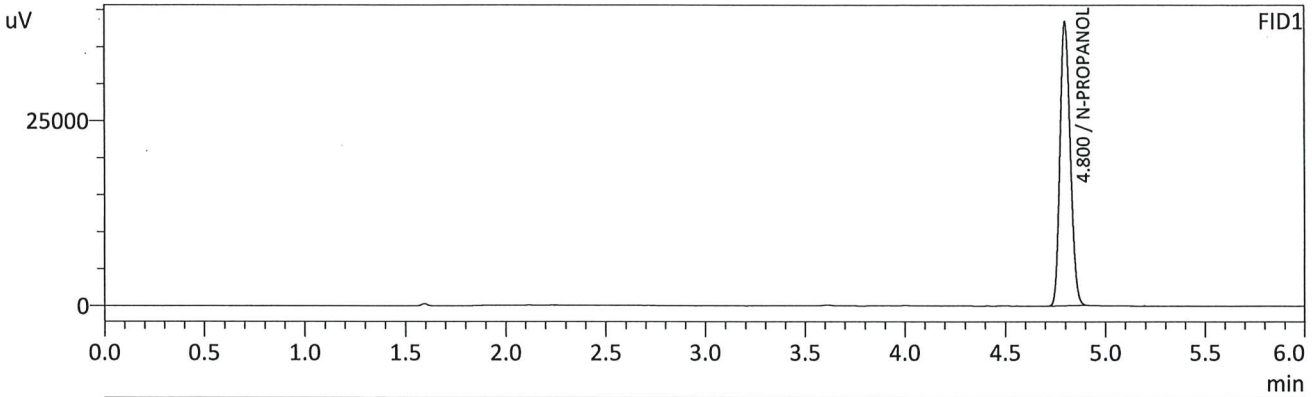
| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|

Not Ready

Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. | Data File Name |
|---|-------|------|------------|----------------|
|---|-------|------|------------|----------------|

Sample Name : INT STD BLK 1  
 Vial # : 6  
 Data Filename : INT STD BLK 1\_6182024\_006.gcd  
 Method Filename : ALCOHOL\_061824\_RC.gcm  
 Batch Filename : BATCH\_061824\_RC.gcb  
 Date Acquired : 6/18/2024 12:32:20 PM  
 Date Processed : 6/18/2024 12:38:21 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 136339 | 38359  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

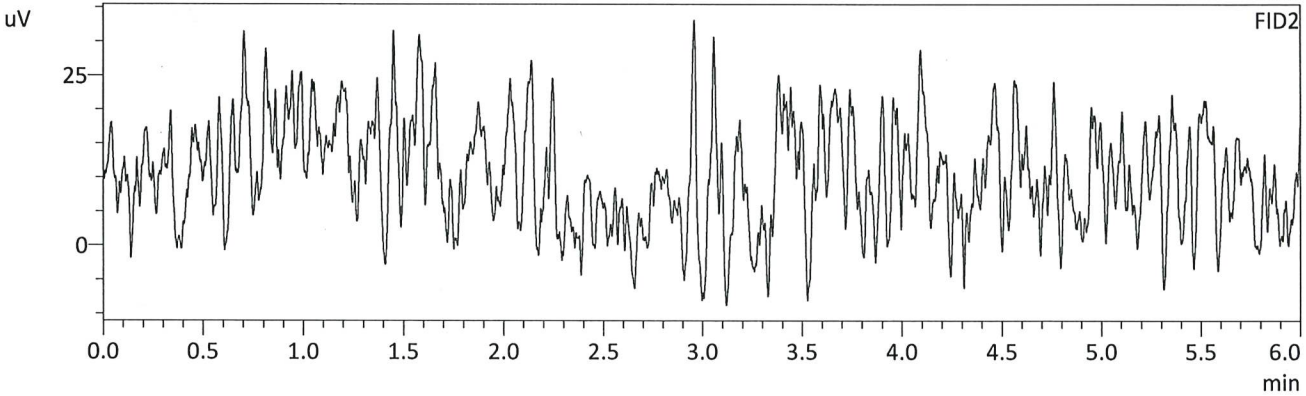
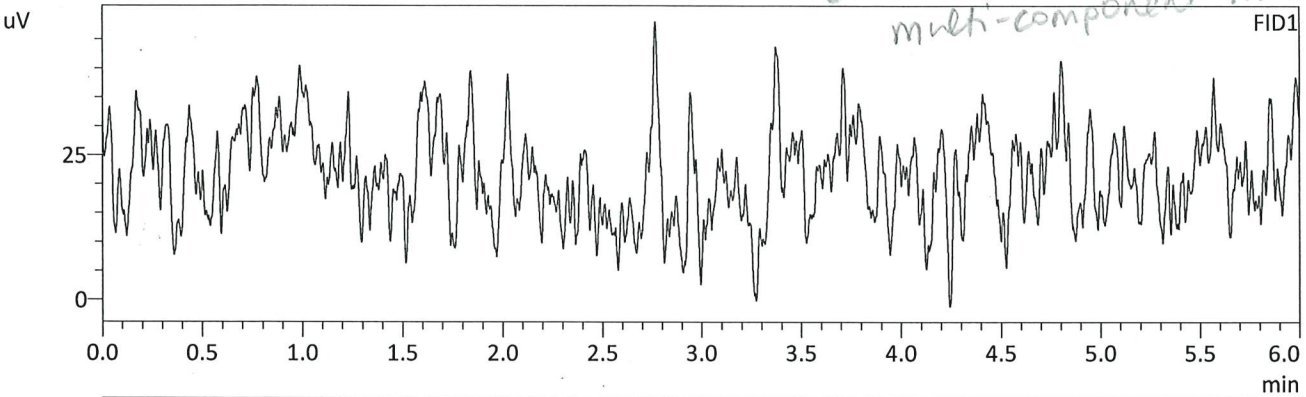
FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 136014 | 50407  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

RC

Sample Name : INT STD BLK 1  
 Vial # : 1  
 Data Filename : INT STD BLK 1\_6272024\_001.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 10:42:46 AM  
 Date Processed : 6/27/2024 10:48:48 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014

*RC*  
*6/27/24*  
 Lid wasn't on correctly.  
 another IS blank run after multi-component mix.



FID1

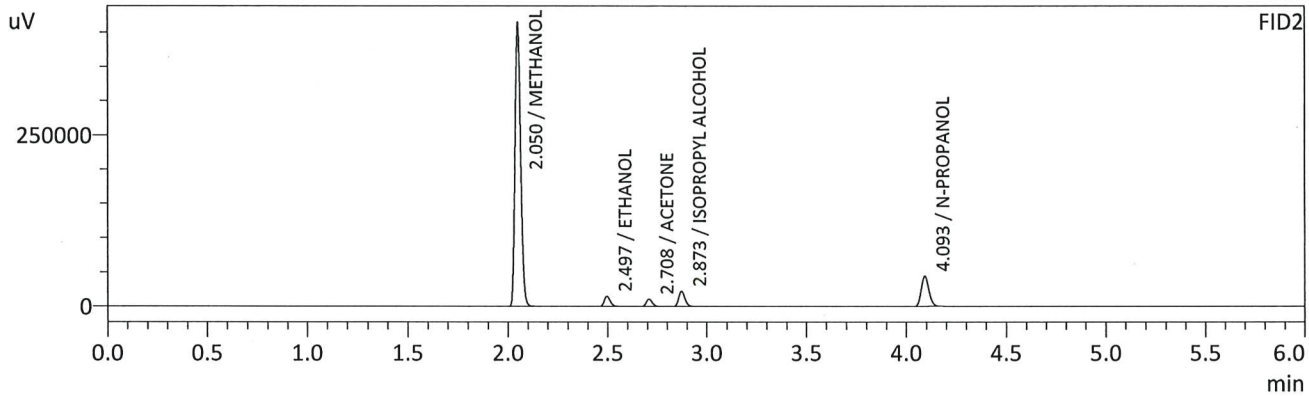
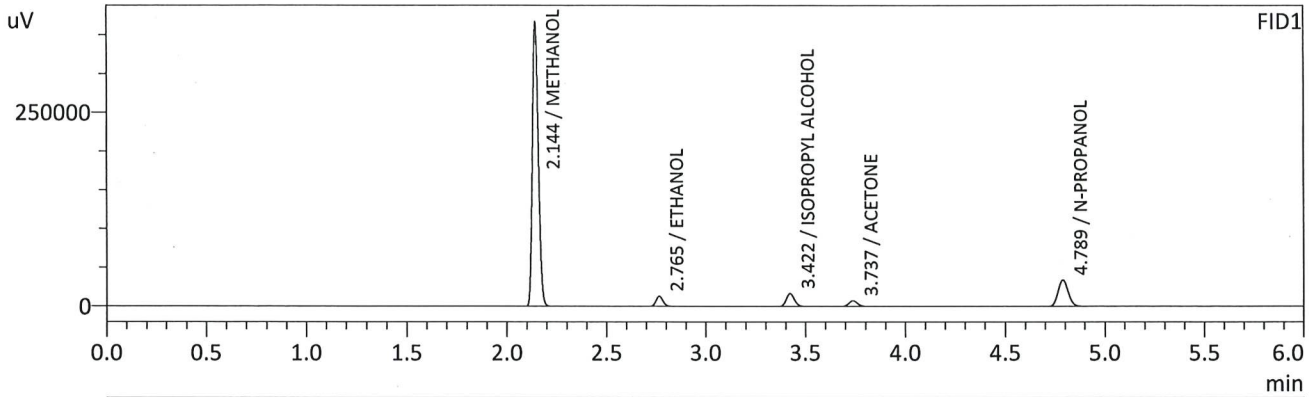
| Name              | Conc. | Unit    | Area | Height |
|-------------------|-------|---------|------|--------|
| METHANOL          | --    | g/100cc | --   | --     |
| ACETALDEHYDE      | --    | g/100cc | --   | --     |
| ETHANOL           | --    | g/100cc | --   | --     |
| ISOPROPYL ALCOHOL | --    | g/100cc | --   | --     |
| ACETONE           | --    | g/100cc | --   | --     |
| N-PROPANOL        | --    | g/100cc | --   | --     |
| DFE/TFE           | --    | g/100cc | --   | --     |
| DME               | --    | g/100cc | --   | --     |

FID2

| Name              | Conc. | Unit    | Area | Height |
|-------------------|-------|---------|------|--------|
| ACETALDEHYDE      | --    | g/100cc | --   | --     |
| METHANOL          | --    | g/100cc | --   | --     |
| ETHANOL           | --    | g/100cc | --   | --     |
| ACETONE           | --    | g/100cc | --   | --     |
| ISOPROPYL ALCOHOL | --    | g/100cc | --   | --     |
| N-PROPANOL        | --    | g/100cc | --   | --     |
| DFE               | --    | g/100cc | --   | --     |
| TFE               | --    | g/100cc | --   | --     |

*RC*

Sample Name : MULTI-COMP MIX  
 Vial # : 2  
 Data Filename : MULTI-COMP MIX\_6272024\_002.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 10:52:16 AM  
 Date Processed : 6/27/2024 10:58:17 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | 0.0000 | g/100cc | 774489 | 365390 |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.1186 | g/100cc | 30654  | 12809  |
| ISOPROPYL ALCOHOL | 0.0000 | g/100cc | 46644  | 16417  |
| ACETONE           | 0.0000 | g/100cc | 20875  | 7170   |
| N-PROPANOL        | 0.0000 | g/100cc | 118872 | 33673  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

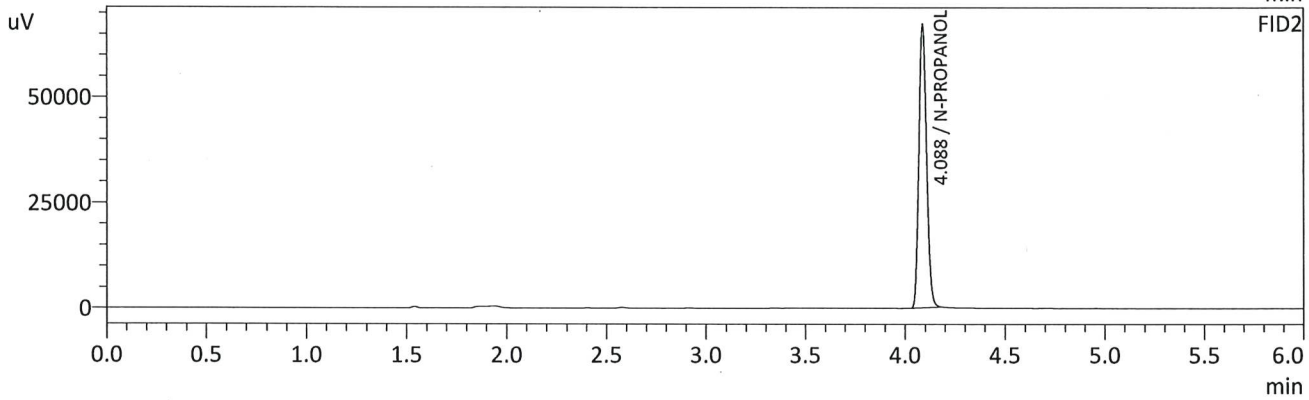
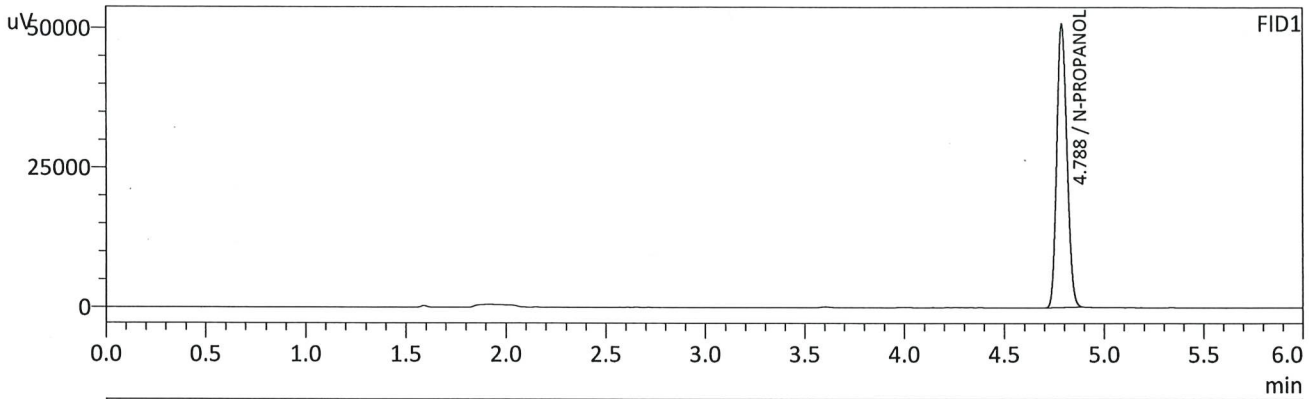
FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | 0.0000 | g/100cc | 792536 | 409386 |
| ETHANOL           | 0.1188 | g/100cc | 29800  | 14421  |
| ACETONE           | 0.0000 | g/100cc | 21522  | 10427  |
| ISOPROPYL ALCOHOL | 0.0000 | g/100cc | 46804  | 21839  |
| N-PROPANOL        | 0.0000 | g/100cc | 116534 | 43733  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*HC*



Sample Name : INT STD BLK 2  
 Vial # : 3  
 Data Filename : INT STD BLK 2\_6272024\_003.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 11:01:37 AM  
 Date Processed : 6/27/2024 11:07:38 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 179684 | 50594  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 179334 | 66829  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*AC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1

Analysis Date(s): 6/27/2024 11:11:21 AM(-06:00)

|                | Column 1<br>FID A | Column 2<br>FID B | Column<br>Precision | Mean<br>Value | Sample A-B<br>Difference | Over-all Mean |
|----------------|-------------------|-------------------|---------------------|---------------|--------------------------|---------------|
| Sample Results | 0.0816            | 0.0821            | 0.0005              | 0.0818        | 0.0001                   | 0.0818        |
| (g/100cc)      | 0.0817            | 0.0821            | 0.0004              | 0.0819        |                          |               |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

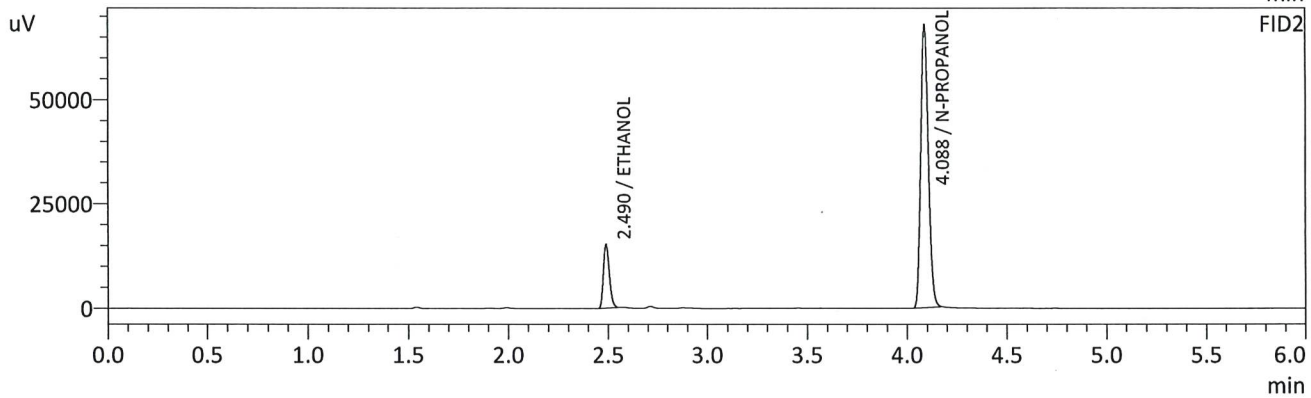
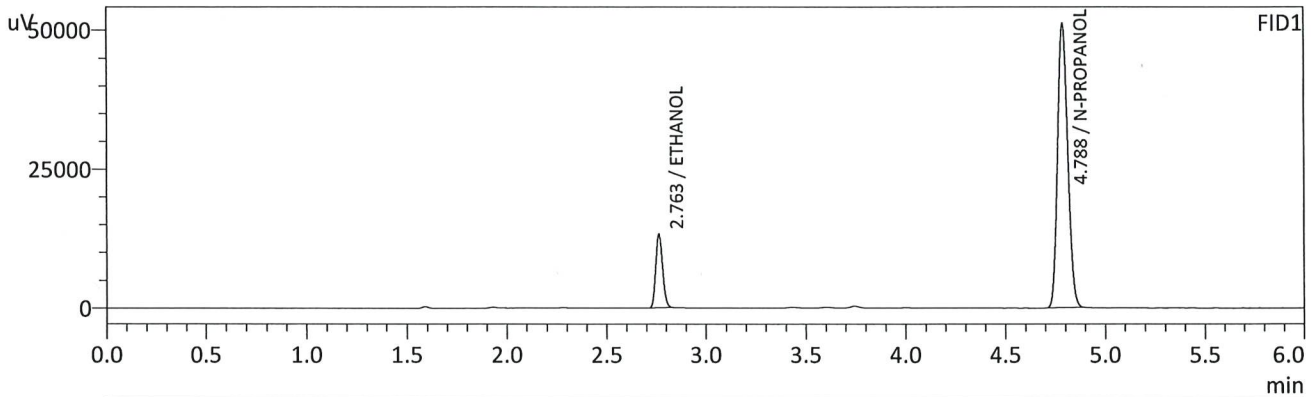
Refer To Instrument Method: ALCOHOL\_062724\_RC.gcm

| Reporting of Results   | Uncertainty of Measurements (UM%): 5.00% |       |             |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low                                      | High  | 5 % of Mean |
| 0.081                  | 0.076                                    | 0.086 | 0.005       |

| Reported Results |  |
|------------------|--|
| 0.081            |  |

Calibration and control data are stored centrally.

Sample Name : QC1-1  
 Vial # : 4  
 Data Filename : QC1-1\_6272024\_004.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 11:11:21 AM  
 Date Processed : 6/27/2024 11:17:23 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

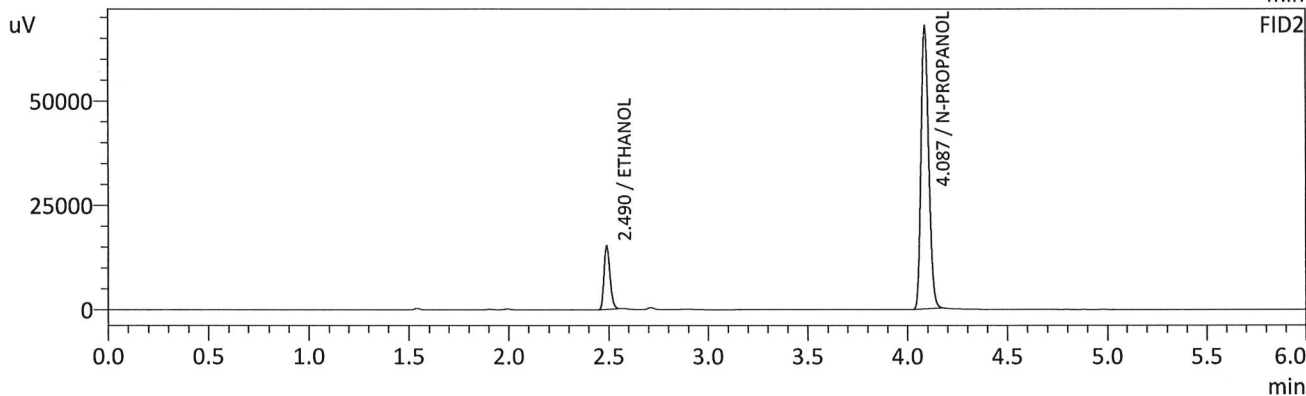
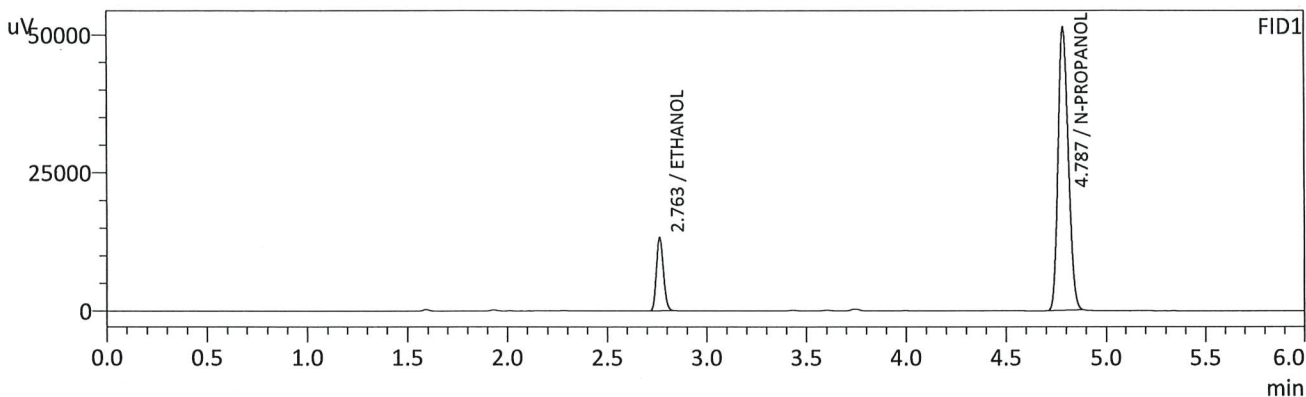
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0816 | g/100cc | 31853  | 13124  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 181419 | 51016  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0821 | g/100cc | 31339  | 15196  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 181200 | 67424  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

AC

Sample Name : QC1-1-B  
 Vial # : 5  
 Data Filename : QC1-1-B\_6272024\_005.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 11:20:53 AM  
 Date Processed : 6/27/2024 11:26:54 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0817 | g/100cc | 31877  | 13142  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 181341 | 51254  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0821 | g/100cc | 31350  | 15192  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 181219 | 67502  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: 0.08 QA |                   | Analysis Date(s): 6/27/2024 11:30:12 AM(-06:00) |                     |               |                          |               |
|------------------------|-------------------|---|---------------------|---------------|--------------------------|---------------|
|                        | Column 1<br>FID A | Column 2<br>FID B                               | Column<br>Precision | Mean<br>Value | Sample A-B<br>Difference | Over-all Mean |
| Sample Results         | 0.0810            | 0.0812  | 0.0002              | 0.0811        | 0.0001                   | 0.0810        |
| (g/100cc)              | 0.0808            | 0.0813  | 0.0005              | 0.0810        |                          |               |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

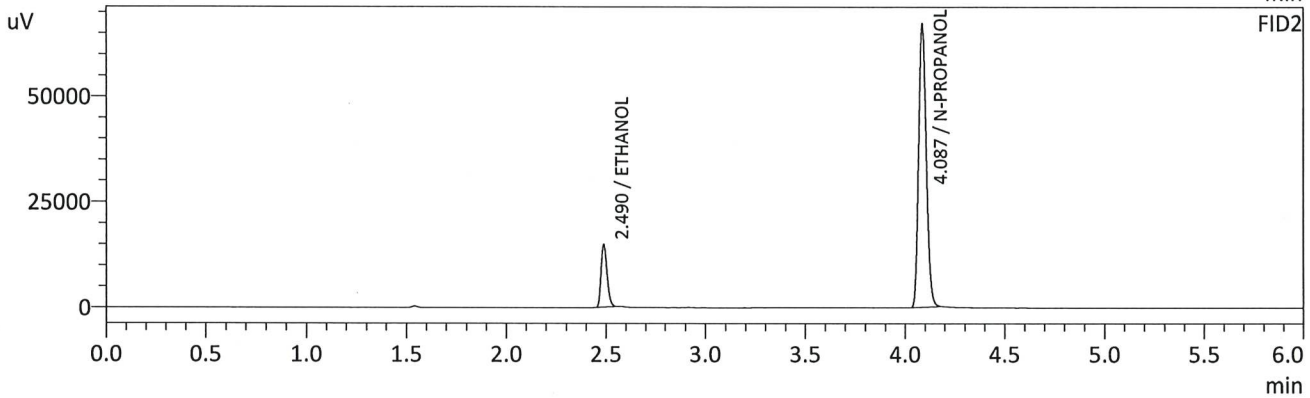
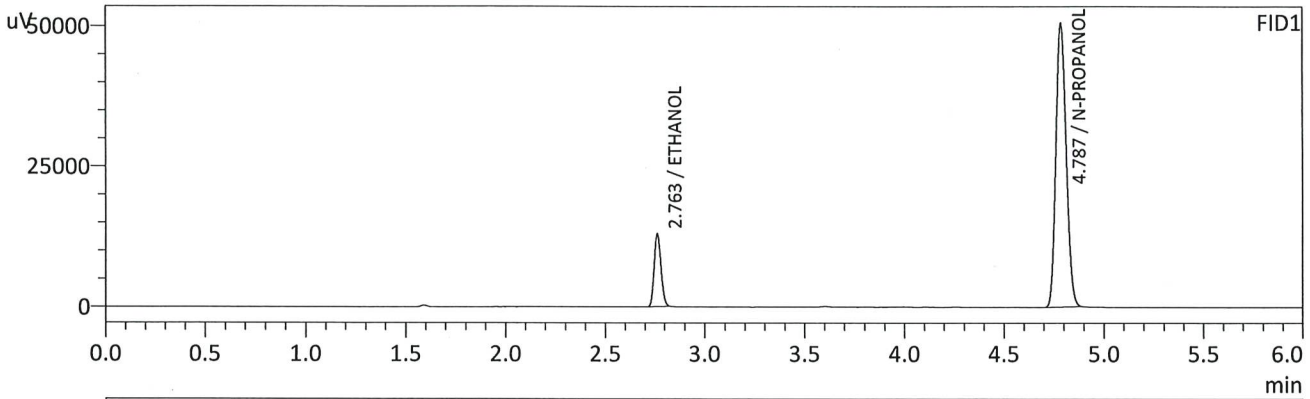
Refer To Instrument Method: ALCOHOL\_062724\_RC.gcm

| Reporting of Results   | Uncertainty of Measurements (UM%): 5.00% |       |             |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low                                      | High  | 5 % of Mean |
| 0.081                  | 0.076                                    | 0.086 | 0.005       |

|  | Reported Results |
|--|------------------|
|  | 0.081            |

Calibration and control data are stored centrally.

Sample Name : 0.08 QA  
 Vial # : 6  
 Data Filename : 0.08 QA\_6272024\_006.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 11:30:12 AM  
 Date Processed : 6/27/2024 11:36:12 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

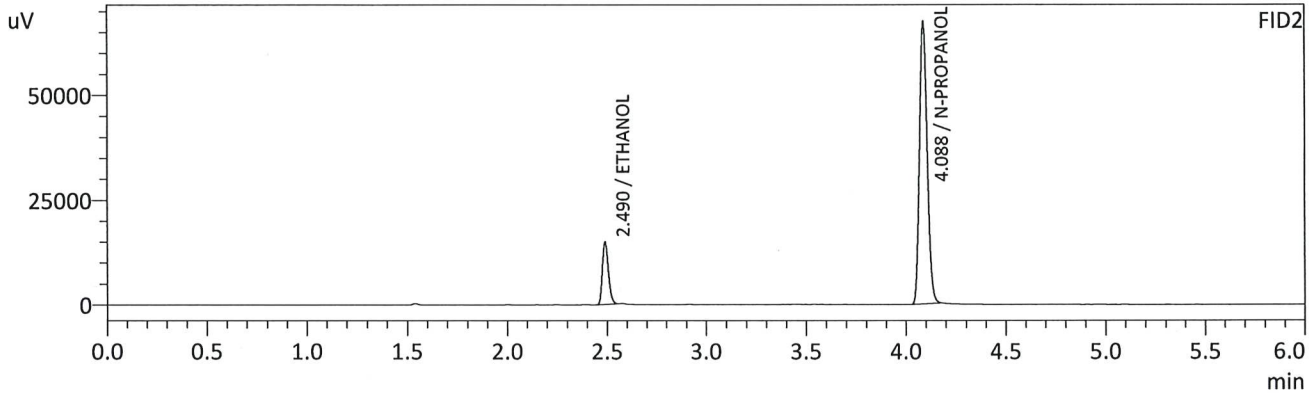
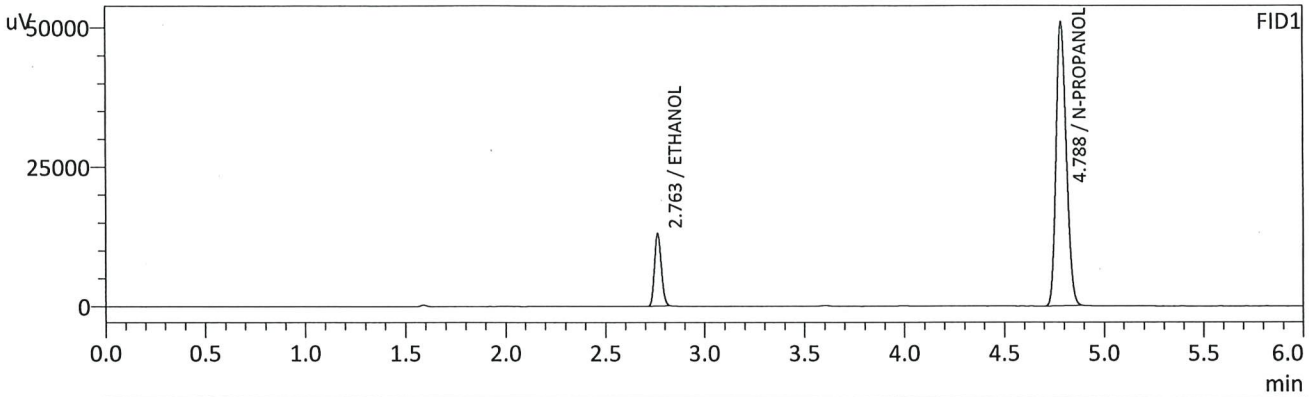
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0810 | g/100cc | 31238  | 12856  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 179251 | 50511  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0812 | g/100cc | 30656  | 14834  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 179204 | 67015  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*CR*

Sample Name : 0.08 QA - B  
 Vial # : 7  
 Data Filename : 0.08 QA - B\_6272024\_007.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 11:39:57 AM  
 Date Processed : 6/27/2024 11:45:57 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0808 | g/100cc | 31310  | 12902  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 180024 | 50781  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0813 | g/100cc | 30750  | 14859  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 179610 | 67040  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: QC2-1 |                   | Analysis Date(s): 6/27/2024 2:40:51 PM(-06:00) |                     |               |                          |               |
|----------------------|-------------------|--|---------------------|---------------|--------------------------|---------------|
|                      | Column 1<br>FID A | Column 2<br>FID B                              | Column<br>Precision | Mean<br>Value | Sample A-B<br>Difference | Over-all Mean |
| Sample Results       | 0.2058            | 0.2044   | 0.0014              | 0.2051        | 0.0004                   | 0.2049        |
| (g/100cc)            | 0.2052            | 0.2043   | 0.0009              | 0.2047        |                          |               |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_062724\_RC.gcm

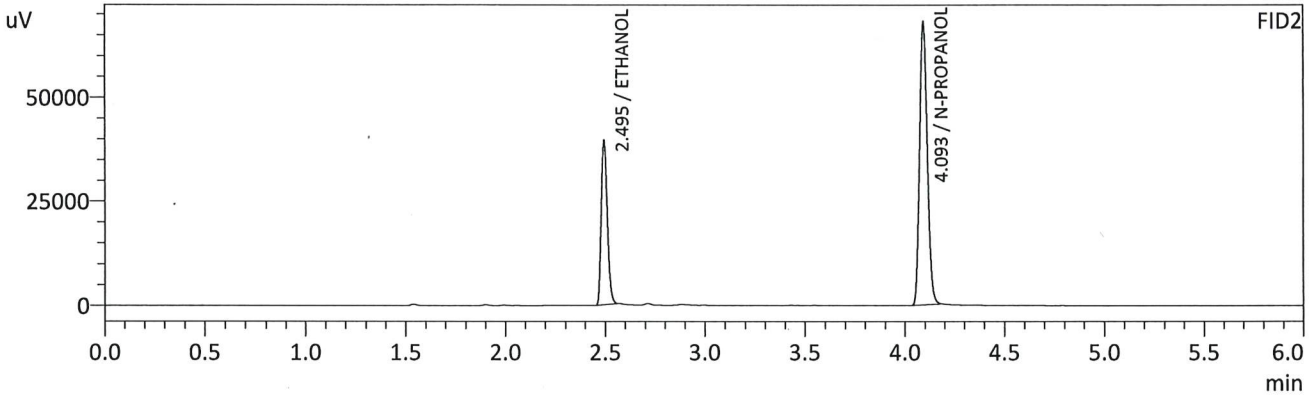
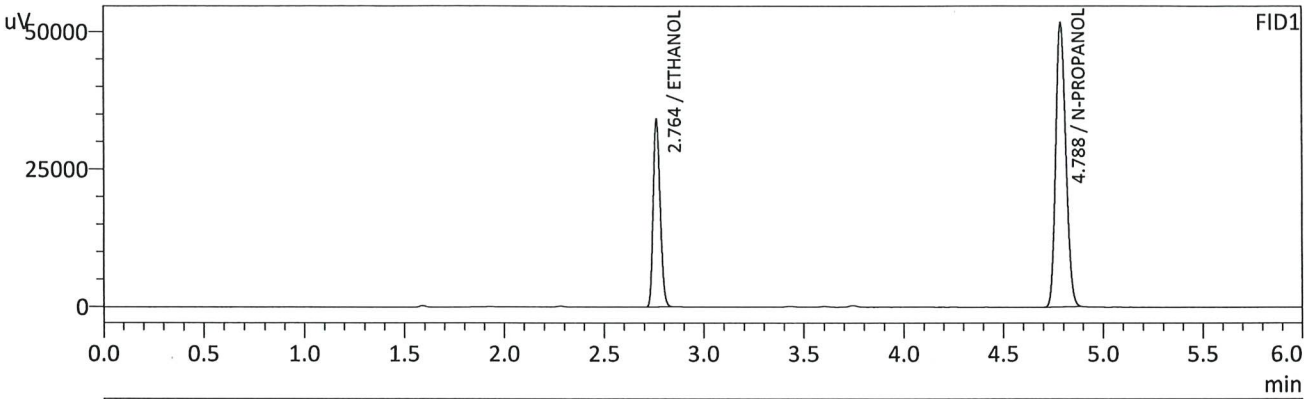
| Reporting of Results   | Uncertainty of Measurements (UM%): 5.00% |       |             |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low                                      | High  | 5 % of Mean |
| 0.204                  | 0.193                                    | 0.215 | 0.011       |

|  | Reported Results |
|--|------------------|
|  | 0.204            |

Calibration and control data are stored centrally.



Sample Name : QC2-1  
 Vial # : 26  
 Data Filename : QC2-1\_6272024\_026.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 2:40:51 PM  
 Date Processed : 6/27/2024 2:46:52 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

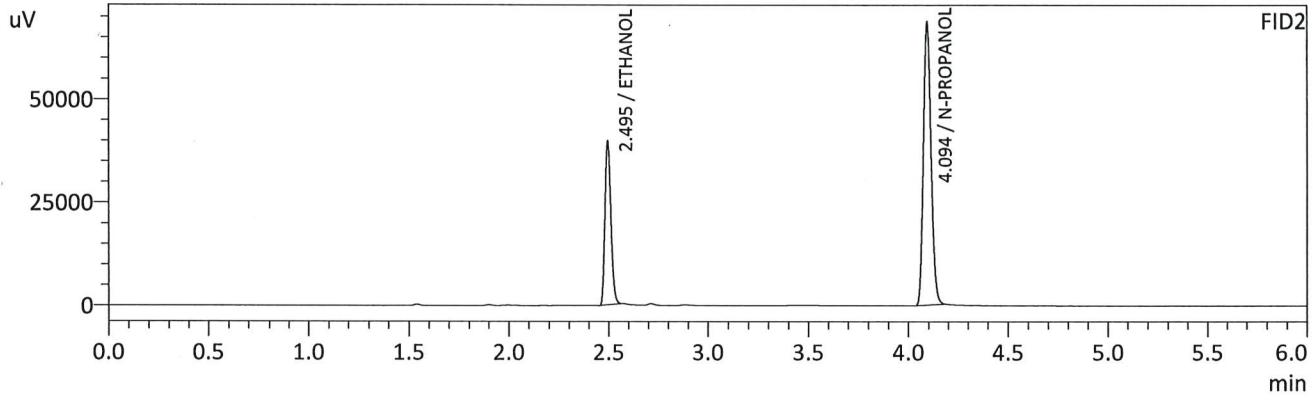
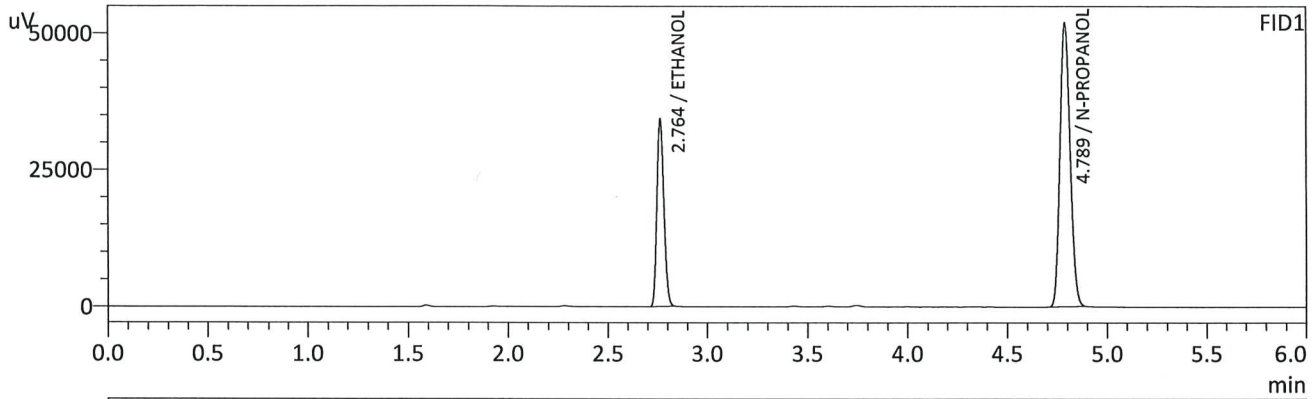
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.2058 | g/100cc | 82656  | 33881  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 182914 | 51401  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.2044 | g/100cc | 81654  | 39464  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 182096 | 67439  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*Handwritten signature/initials*

Sample Name : QC2-1-B  
 Vial # : 27  
 Data Filename : QC2-1-B\_6272024\_027.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 2:50:09 PM  
 Date Processed : 6/27/2024 2:56:10 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.2052 | g/100cc | 82998  | 34069  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 184165 | 51747  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.2043 | g/100cc | 82141  | 39649  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 183215 | 68259  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: QC1-2 |                   | Analysis Date(s): 6/27/2024 6:10:01 PM(-06:00) |                     |               |                          |               |
|----------------------|-------------------|--|---------------------|---------------|--------------------------|---------------|
|                      | Column 1<br>FID A | Column 2<br>FID B                              | Column<br>Precision | Mean<br>Value | Sample A-B<br>Difference | Over-all Mean |
| Sample Results       | 0.0873            | 0.0877   | 0.0004              | 0.0875        | 0.0000                   | 0.0875        |
| (g/100cc)            | 0.0873            | 0.0877   | 0.0004              | 0.0875        |                          |               |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

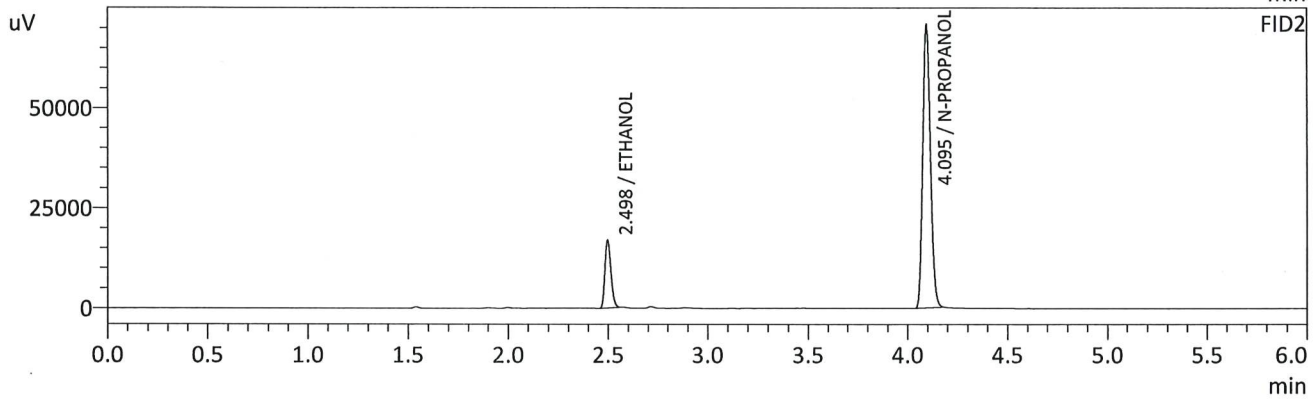
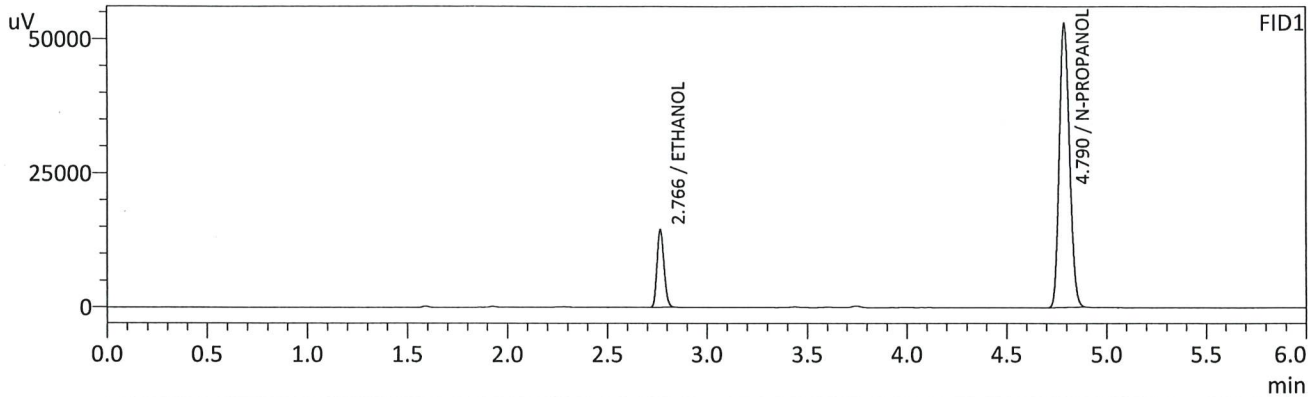
Refer To Instrument Method: ALCOHOL\_062724\_RC.gcm

| Reporting of Results   | Uncertainty of Measurements (UM%): 5.00% |       |             |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low                                      | High  | 5 % of Mean |
| 0.087                  | 0.082                                    | 0.092 | 0.005       |

|  | Reported Results |
|--|------------------|
|  | 0.087            |

Calibration and control data are stored centrally.

Sample Name : QC1-2  
 Vial # : 48  
 Data Filename : QC1-2\_6272024\_048.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 6:10:01 PM  
 Date Processed : 6/27/2024 6:16:03 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

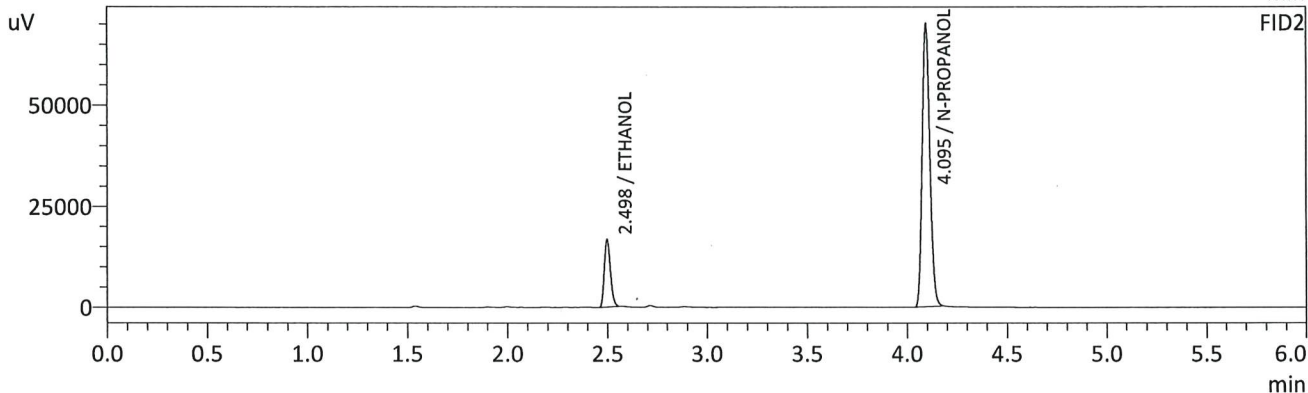
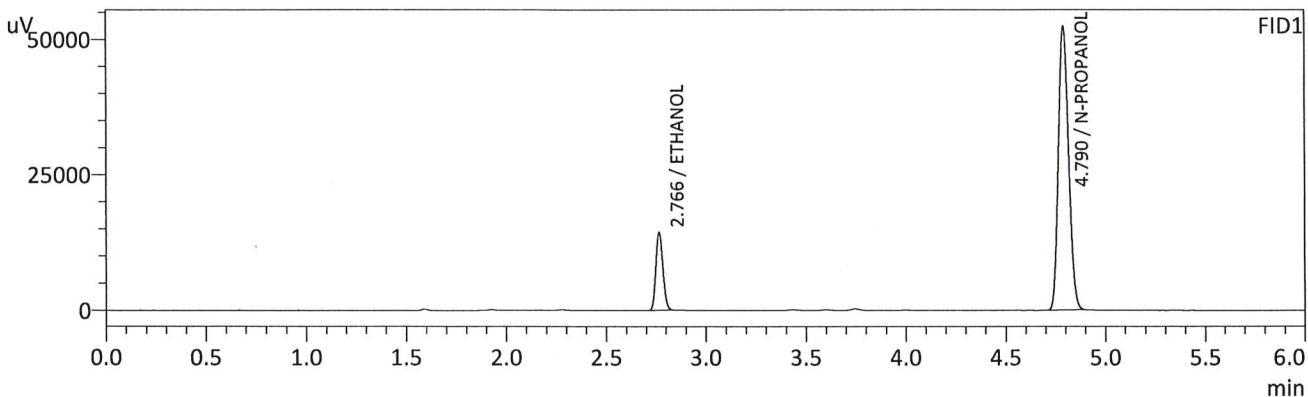
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0873 | g/100cc | 35266  | 14467  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 187164 | 52947  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0877 | g/100cc | 35180  | 16788  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 189533 | 70747  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*RC*

Sample Name : QC1-2-B  
 Vial # : 49  
 Data Filename : QC1-2-B\_6272024\_049.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 6:19:46 PM  
 Date Processed : 6/27/2024 6:25:48 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0873 | g/100cc | 34925  | 14334  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 185523 | 52361  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0877 | g/100cc | 34826  | 16600  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 187691 | 69981  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: QC1-3 |                   | Analysis Date(s): 6/27/2024 7:07:10 PM(-06:00) |                     |               |                          |               |
|----------------------|-------------------|--|---------------------|---------------|--------------------------|---------------|
|                      | Column 1<br>FID A | Column 2<br>FID B                              | Column<br>Precision | Mean<br>Value | Sample A-B<br>Difference | Over-all Mean |
| Sample Results       | 0.0885            | 0.0888   | 0.0003              | 0.0886        | 0.0002                   | 0.0887        |
| (g/100cc)            | 0.0887            | 0.0889   | 0.0002              | 0.0888        |                          |               |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

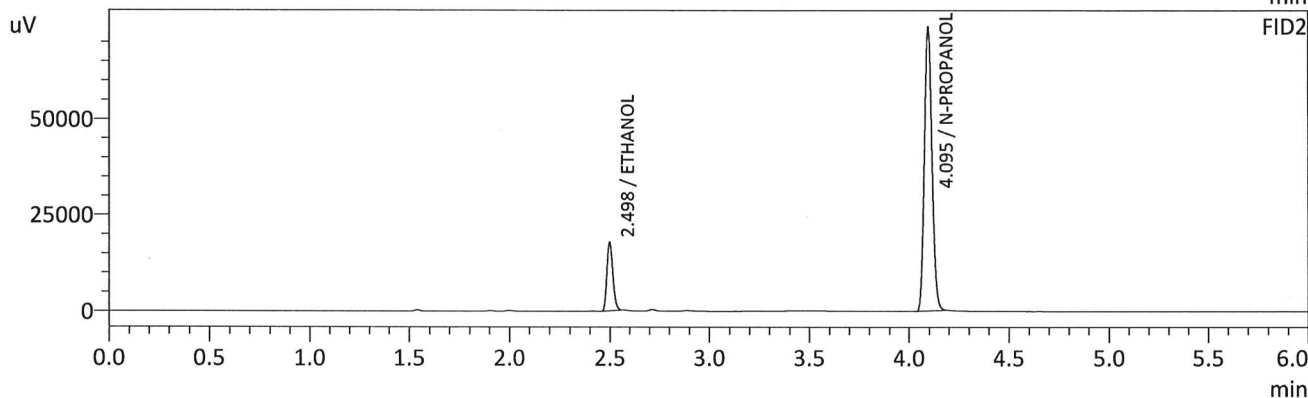
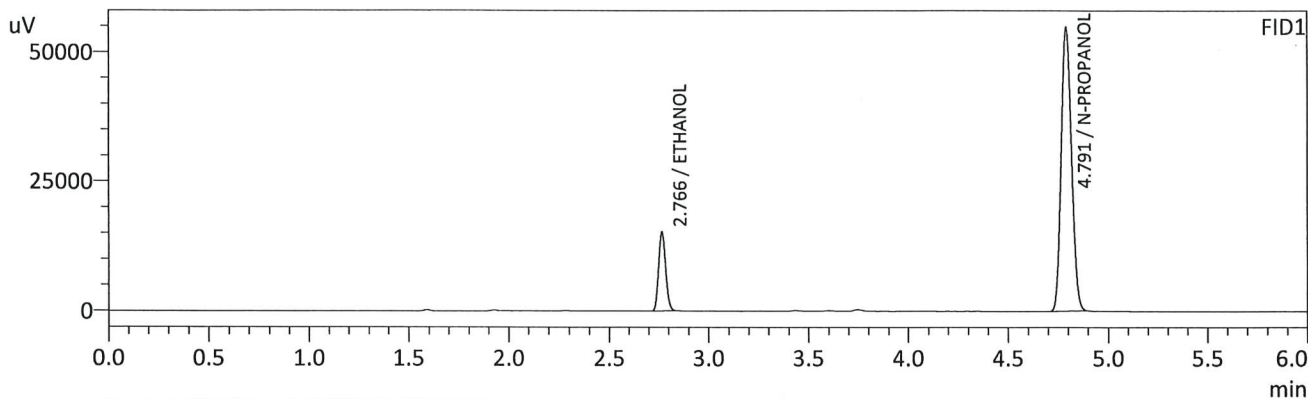
Refer To Instrument Method: ALCOHOL\_062724\_RC.gcm

| Reporting of Results   | Uncertainty of Measurements (UM%): 5.00% |       |             |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low                                      | High  | 5 % of Mean |
| 0.088                  | 0.083                                    | 0.093 | 0.005       |

|  | Reported Results |
|--|------------------|
|  | 0.088            |

Calibration and control data are stored centrally.

Sample Name : QC1-3  
 Vial # : 54  
 Data Filename : QC1-3\_6272024\_054.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 7:07:10 PM  
 Date Processed : 6/27/2024 7:13:11 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

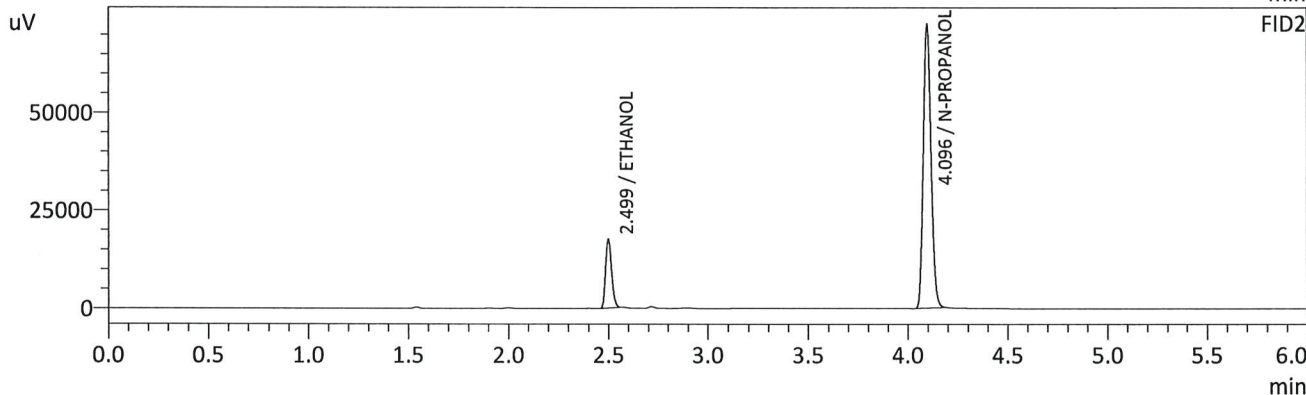
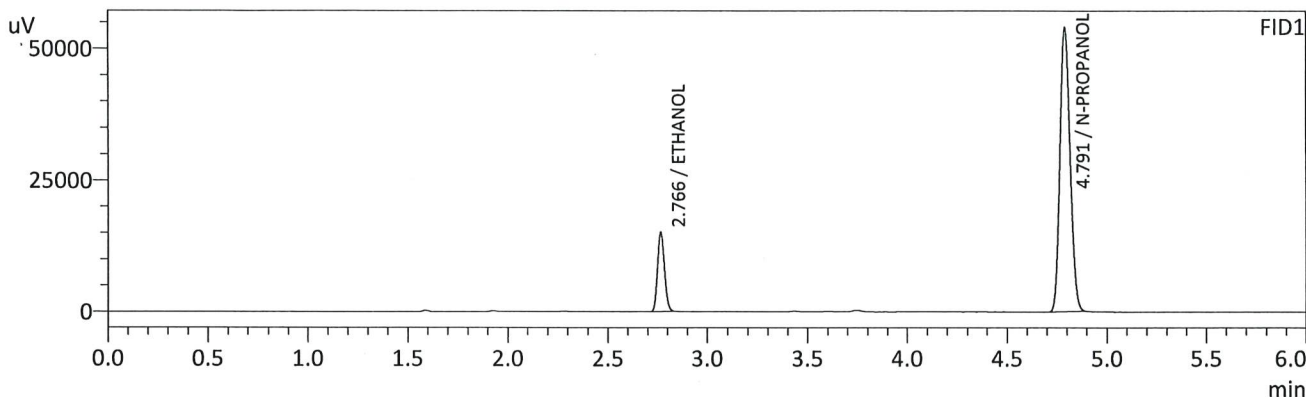
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0885 | g/100cc | 37108  | 15235  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 194176 | 54821  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0888 | g/100cc | 37024  | 17704  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 196808 | 73721  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*RC*

Sample Name : QC1-3-B  
 Vial # : 55  
 Data Filename : QC1-3-B\_6272024\_055.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 7:16:54 PM  
 Date Processed : 6/27/2024 7:22:55 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

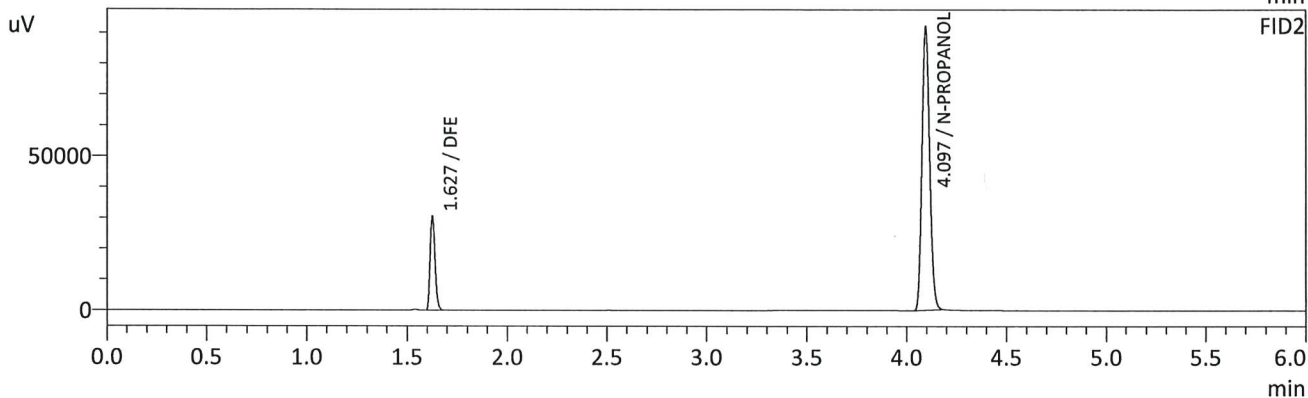
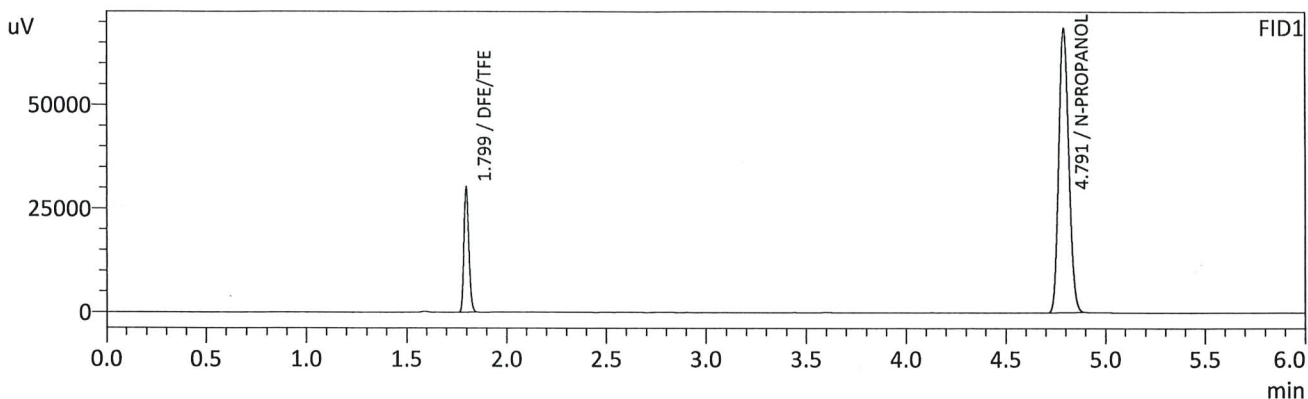
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0887 | g/100cc | 36654  | 15033  |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 191439 | 54008  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | 0.0889 | g/100cc | 36508  | 17493  |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 193894 | 72466  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |



Sample Name : DFE  
 Vial # : 56  
 Data Filename : DFE\_6272024\_056.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 7:26:25 PM  
 Date Processed : 6/27/2024 7:32:26 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

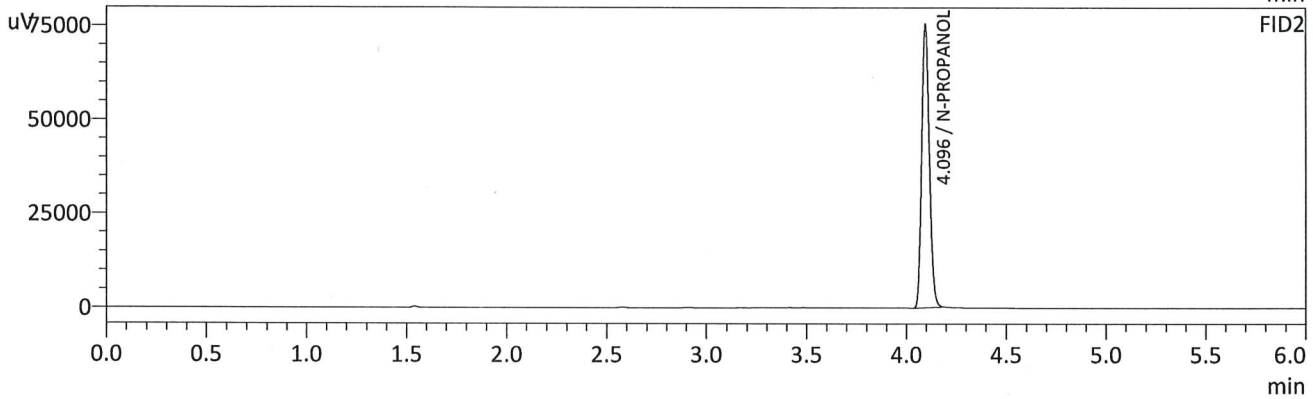
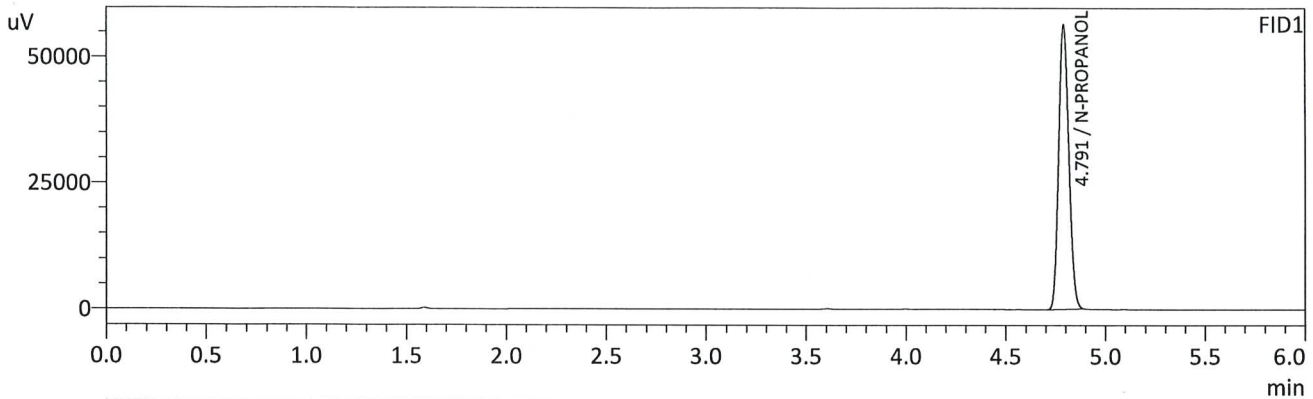
| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 241572 | 68492  |
| DFE/TFE           | 0.0000 | g/100cc | 51045  | 29990  |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 244895 | 91673  |
| DFE               | 0.0000 | g/100cc | 51734  | 30393  |
| TFE               | --     | g/100cc | --     | --     |

*JRC*

Sample Name : INT STD BLK 3  
 Vial # : 57  
 Data Filename : INT STD BLK 3\_6272024\_057.gcd  
 Method Filename : ALCOHOL\_062724\_RC.gcm  
 Batch Filename : BATCH\_062724\_RC.gcb  
 Date Acquired : 6/27/2024 7:35:44 PM  
 Date Processed : 6/27/2024 7:41:44 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| METHANOL          | --     | g/100cc | --     | --     |
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| ETHANOL           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 199114 | 56380  |
| DFE/TFE           | --     | g/100cc | --     | --     |
| DME               | --     | g/100cc | --     | --     |

FID2

| Name              | Conc.  | Unit    | Area   | Height |
|-------------------|--------|---------|--------|--------|
| ACETALDEHYDE      | --     | g/100cc | --     | --     |
| METHANOL          | --     | g/100cc | --     | --     |
| ETHANOL           | --     | g/100cc | --     | --     |
| ACETONE           | --     | g/100cc | --     | --     |
| ISOPROPYL ALCOHOL | --     | g/100cc | --     | --     |
| N-PROPANOL        | 0.0000 | g/100cc | 201609 | 75344  |
| DFE               | --     | g/100cc | --     | --     |
| TFE               | --     | g/100cc | --     | --     |

*Handwritten signature*

# Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662

Shimadzu HS-20 Serial Number: C12595700014

LabSolutions Version 6.117

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| Vial# | Sample Name    | Sample Type | Method File           | Data File | Level# |
|-------|----------------|-------------|-----------------------|-----------|--------|
| 1     | INT STD BLK 1  | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 2     | MULTI-COMP MIX | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 1      |
| 3     | INT STD BLK 2  | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 4     | QC1-1          | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 5     | QC1-1-B        | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 6     | 0.08 QA        | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 7     | 0.08 QA - B    | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 8     | P2024-1858-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 9     | P2024-1858-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 10    | P2024-1892-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 11    | P2024-1892-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 12    | P2024-1895-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 13    | P2024-1895-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 14    | P2024-1896-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 15    | P2024-1896-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 16    | P2024-1916-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 17    | P2024-1916-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 18    | P2024-1920-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 19    | P2024-1920-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 20    | P2024-1922-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 21    | P2024-1922-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 22    | P2024-1924-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 23    | P2024-1924-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 24    | P2024-1925-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 25    | P2024-1925-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 26    | QC2-1          | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 27    | QC2-1-B        | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 28    | P2024-1930-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 29    | P2024-1930-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 30    | P2024-1931-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 31    | P2024-1931-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 32    | P2024-1932-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 33    | P2024-1932-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 34    | P2024-1934-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 35    | P2024-1934-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 36    | P2024-1935-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 37    | P2024-1935-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 38    | P2024-1941-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 39    | P2024-1941-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 40    | P2024-1952-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 41    | P2024-1952-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 42    | P2024-1955-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 43    | P2024-1955-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 44    | P2024-1958-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 45    | P2024-1958-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 46    | P2024-1959-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 47    | P2024-1959-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 48    | QC1-2          | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 49    | QC1-2-B        | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 50    | P2024-1961-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 51    | P2024-1961-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 52    | P2024-1962-1   | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 53    | P2024-1962-1-B | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 54    | QC1-3          | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 55    | QC1-3-B        | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 56    | DFE            | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |
| 57    | INT STD BLK 3  | 0:Unknown   | ALCOHOL_062724_RC.gcm |           | 0      |

\* RC From Worklist 6848  
6/27/24

RC