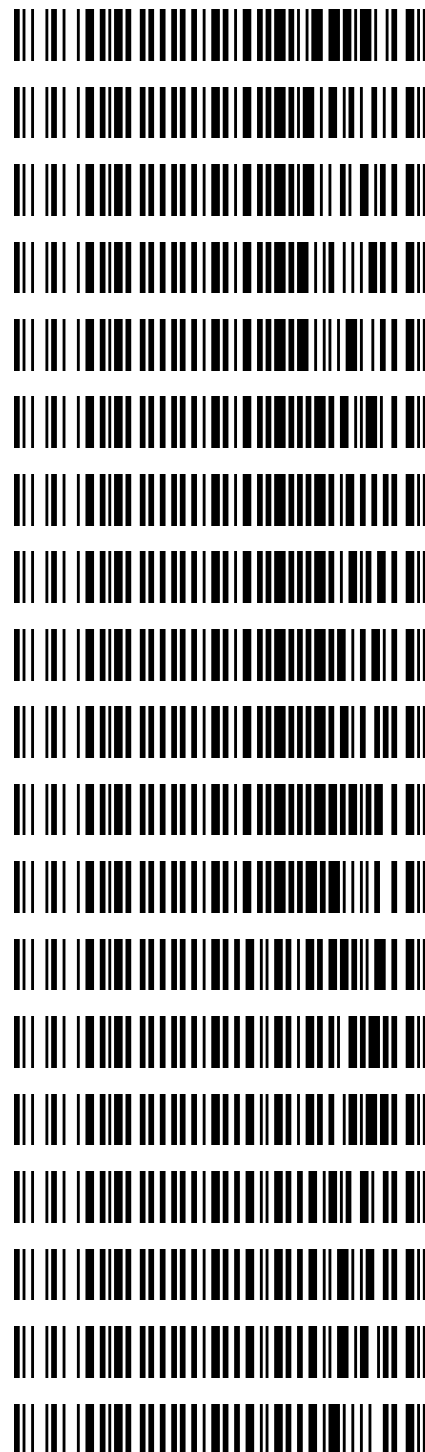


Worklist: 6831

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u> |
|-----------------|-------------|------------------|--------------------|
| M2024-2035 | 1 | BCK | Alcohol Analysis |
| M2024-2064 | 1 | BCK | Alcohol Analysis |
| M2024-2066 | 1 | BCK | Alcohol Analysis |
| M2024-2114 | 1 | BCK | Alcohol Analysis |
| M2024-2126 | 1 | BCK | Alcohol Analysis |
| M2024-2130 | 1 | BCK | Alcohol Analysis |
| M2024-2131 | 1 | BCK | Alcohol Analysis |
| M2024-2132 | 1 | BCK | Alcohol Analysis |
| M2024-2133 | 1 | BCK | Alcohol Analysis |
| M2024-2134 | 1 | BCK | Alcohol Analysis |
| M2024-2135 | 1 | BCK | Alcohol Analysis |
| M2024-2143 | 1 | BCK | Alcohol Analysis |
| M2024-2156 | 1 | BCK | Alcohol Analysis |
| M2024-2157 | 1 | BCK | Alcohol Analysis |
| M2024-2158 | 1 | BCK | Alcohol Analysis |
| M2024-2188 | 1 | BCK | Alcohol Analysis |
| M2024-2192 | 2 | BCK | Alcohol Analysis |
| M2024-2192 | 3 | BCK | Alcohol Analysis |
| M2024-2194 | 1 | BCK | Alcohol Analysis |



NB

REVIEWED
By Jeremy Johnston at 10:16 am, Jun 05, 2024

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls

Run Date(s):

6/4/24

Calibration Date: 5/24/24

Worklist #:

6831

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results | |
|---------------------------------|------------|-------------|------------------|------------------|-----------------|---------|
| Level 1 | Feb-25 | 2101199 | 0.0808 | 0.0727-0.0889 | 0.0751 g/100cc | |
| | | | | | 0.0793 g/100cc | |
| | | | | | g/100cc | |
| Level 2 | Mar-26 | 2110181 | 0.2030 | 0.1827-0.2233 | 0.1994 g/100cc | |
| | | | | | 0.2010 g/100cc | |
| | | | | | g/100cc | |
| Multi-Component mixture: | | Exp: | Oct. 2024 | Lot # | FN06041902 | |
| Curve Fit: | | | Column 1 | 0.99991 | Column2 | 0.99992 |

Ethanol Calibration Reference Material

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean |
|------------------|--------------|------------------|----------|----------|-----------|---------|
| 50 | 0.050 | 0.045 - 0.055 | 0.0494 | 0.0497 | 0.0003 | 0.0495 |
| 100 | 0.100 | 0.090 - 0.110 | 0.0991 | 0.0992 | 0.0001 | 0.0991 |
| 200 | 0.200 | 0.180 - 0.220 | 0.2000 | 0.1996 | 0.0004 | 0.1998 |
| 300 | 0.300 | 0.270 - 0.330 | 0.3027 | 0.3026 | 0.0001 | 0.3026 |
| 400 | 0.400 | 0.360 - 0.440 | | | 0 | #DIV/0! |
| 500 | 0.500 | 0.450 - 0.550 | 0.4985 | 0.4986 | 1E-04 | 0.4985 |

Aqueous Controls

| Control level | Target Value | Acceptable Range | Overall Results |
|---------------|--------------|------------------|-----------------|
| 80 | 0.080 | 0.076 - 0.084 | 0.078 g/100cc |

Internal Standard Monitoring Worksheet

| | | | |
|--------------------|-------------|---------------------|---------------|
| Worklist #: | 6831 | Run Date(s): | 6/4/24 |
|--------------------|-------------|---------------------|---------------|

| | | |
|-----------------------------|---------------------|---------------------|
| Internal Standard Solution: | Prep Date: 5/6/2024 | Exp Date: 11/6/2024 |
|-----------------------------|---------------------|---------------------|

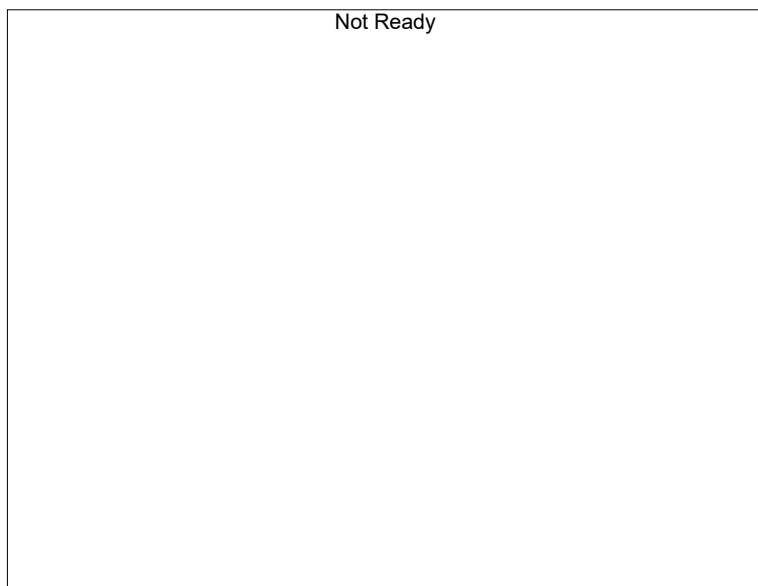
| Sample Name | Column 1 Value | Column 2 Value |
|-------------|----------------|----------------|
| 0.080 | 187300 | 202803 |
| 0.080 | 184493 | 199654 |
| QC1 | 184428 | 199432 |
| QC1 | 183132 | 198190 |
| QC1 | 220421 | 239751 |
| QC1 | 225487 | 245171 |
| QC1 | | |
| QC1 | | |
| QC2 | 203046 | 220481 |
| QC2 | 207768 | 225849 |
| QC2 | 225249 | 244943 |
| QC2 | 239577 | 260460 |
| QC2 | | |
| QC2 | | |

| | Average | (-)20% | (+)20% |
|----------|----------|----------|----------|
| Column 1 | 206090.1 | 164872.1 | 247308.1 |
| Column 2 | 223673.4 | 178938.7 | 268408.1 |

Calibration Table

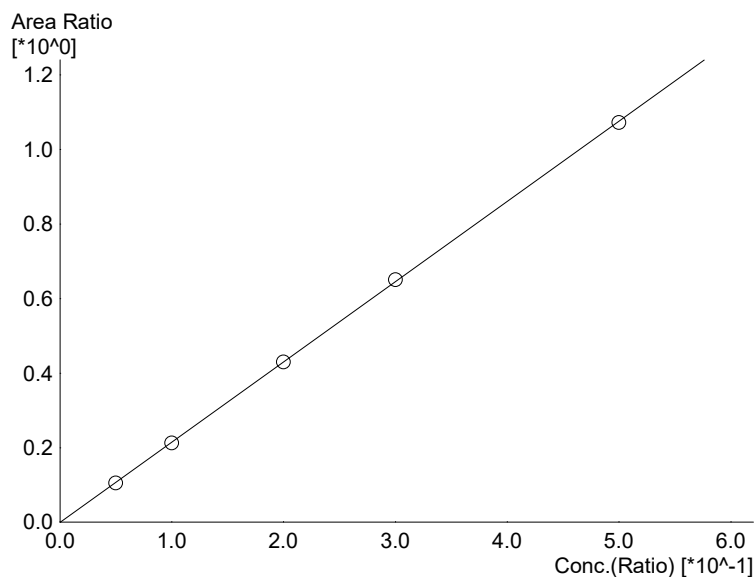
Laboratory : MERIDIAN
 Instrument Name : GC-BAC
 Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
 Method File :Default Project - ALCOHOL_240524NB.gcm
 Date Created :5/24/2024 8:20:56 AM
 Date Modified :5/24/2024 12:15:11 PM



Name : Methanol
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

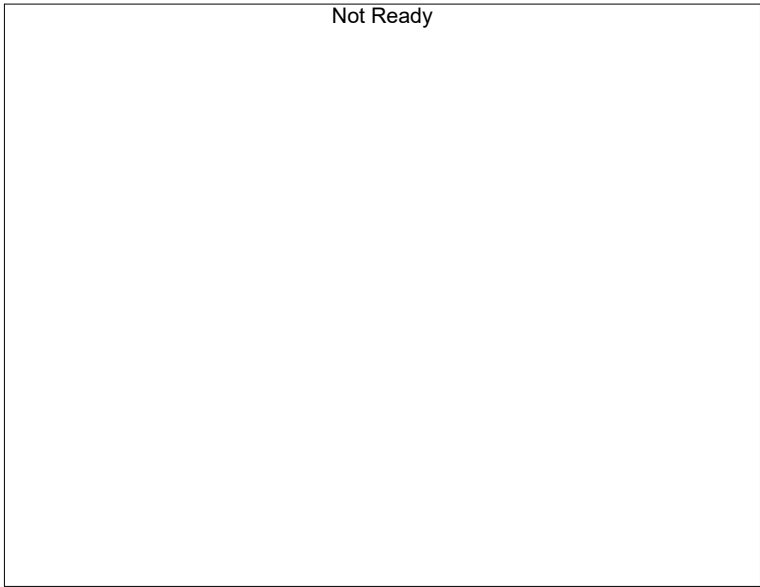
| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|



Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.15299*x-0.00106116$
 R² value= 0.9999143
 FitType: Linear
 ZeroThrough: Not Through

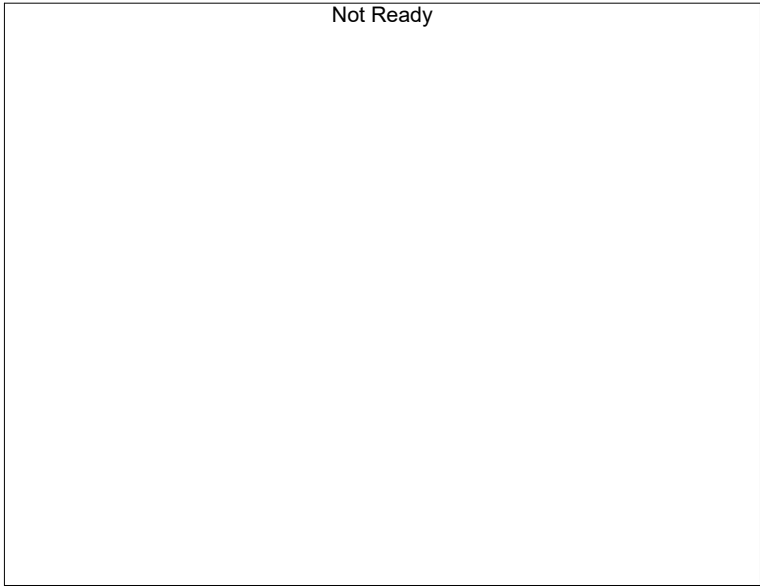
| # | Conc. | Area | Std. Conc. |
|---|-------|--------|------------|
| 1 | 0.050 | 20198 | 0.0494 |
| 2 | 0.100 | 41081 | 0.0991 |
| 3 | 0.200 | 81762 | 0.2000 |
| 4 | 0.300 | 122197 | 0.3027 |
| 5 | 0.500 | 206578 | 0.4985 |

NB



Name : Isopropyl Alcohol
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|



Name : Acetone
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|



Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

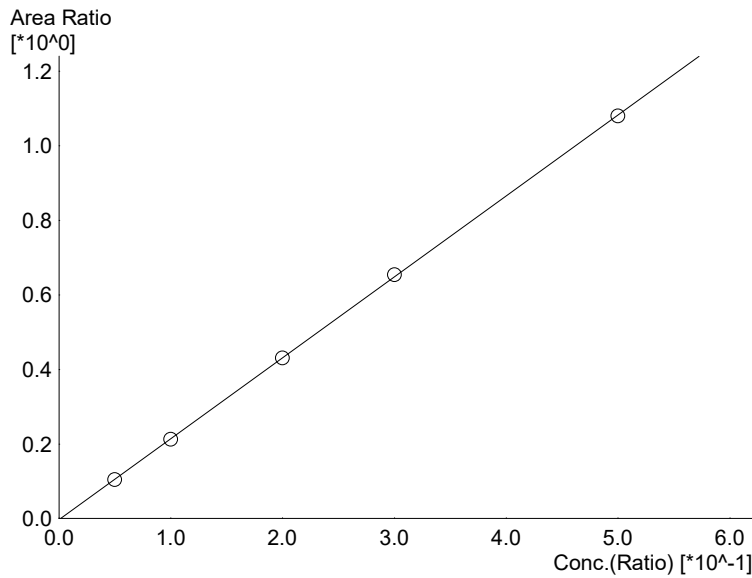
| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|

NB



Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|



Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.17140*x-0.00330028$
 R² value= 0.9999237
 FitType: Linear
 ZeroThrough: Not Through

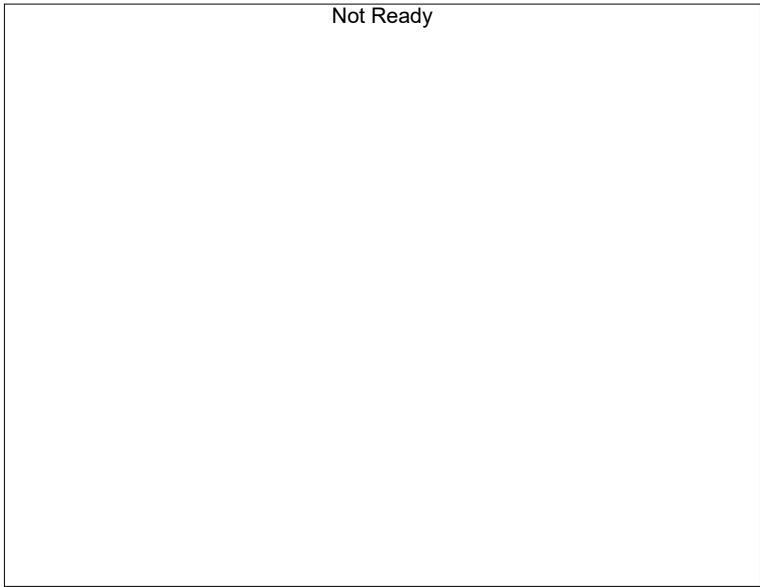
| # | Conc. | Area | Std. Conc. |
|---|-------|--------|------------|
| 1 | 0.050 | 21599 | 0.0497 |
| 2 | 0.100 | 44283 | 0.0992 |
| 3 | 0.200 | 88417 | 0.1996 |
| 4 | 0.300 | 132487 | 0.3026 |
| 5 | 0.500 | 224250 | 0.4986 |



Name : Acetone
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

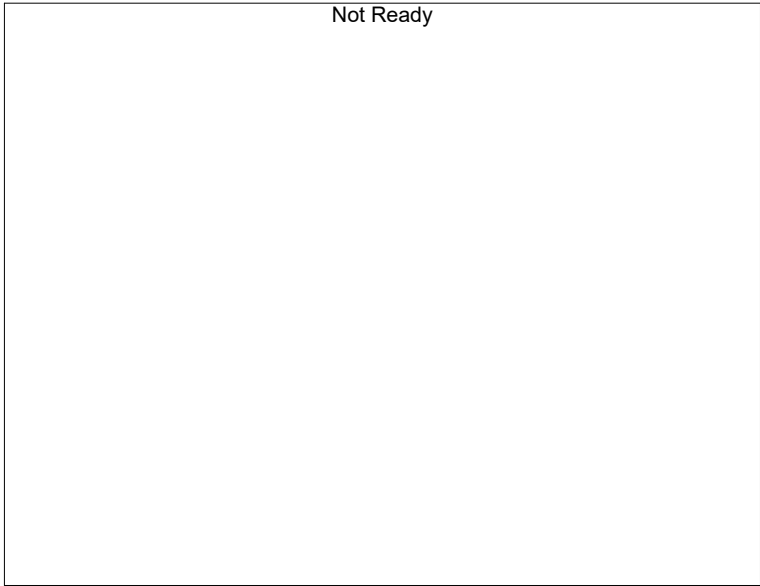
| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|

NB



Name : Isopropyl Alcohol
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|

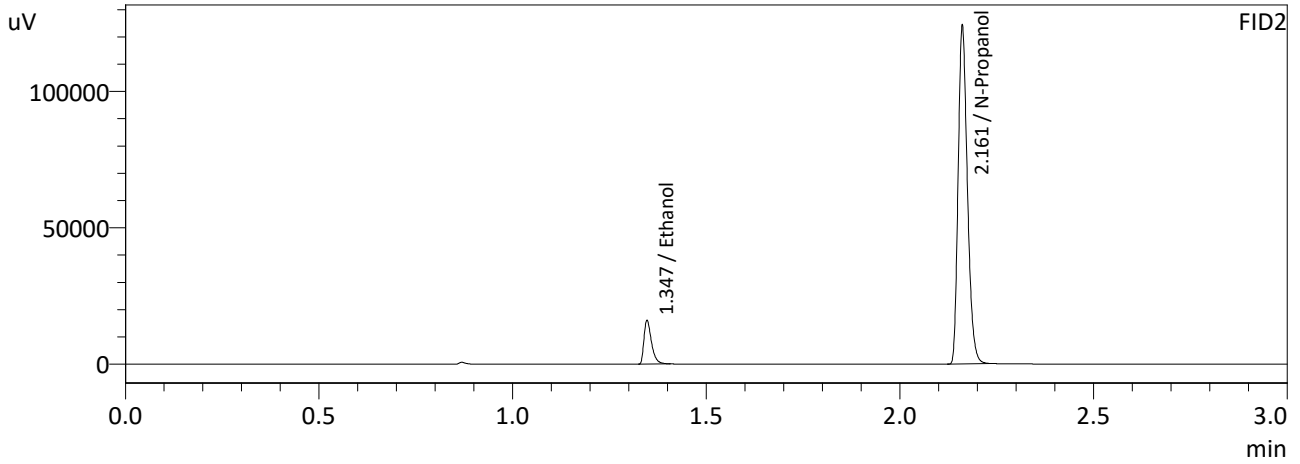
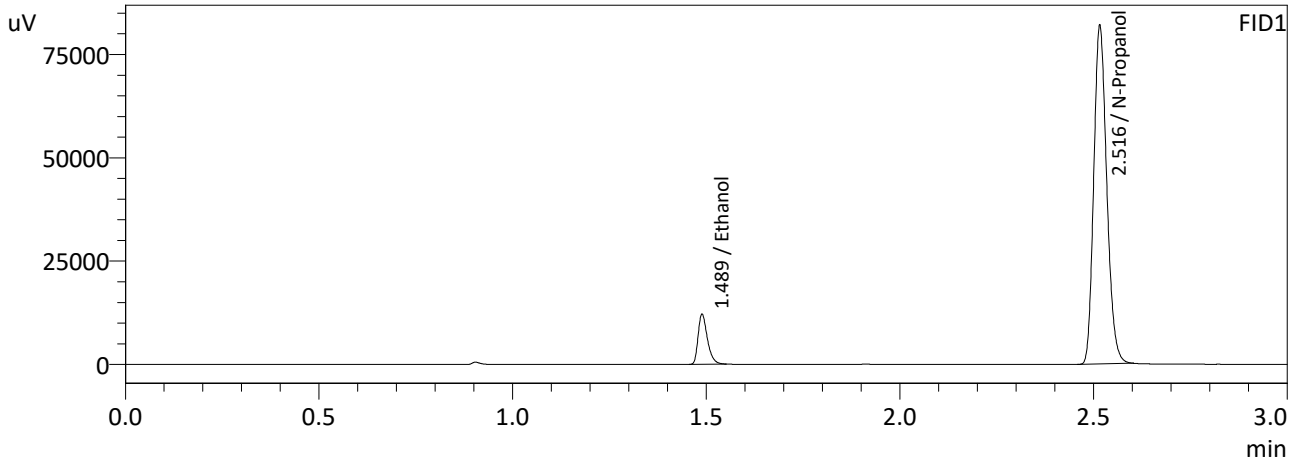


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|

NB

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 5/24/2024 11:40:34 AM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

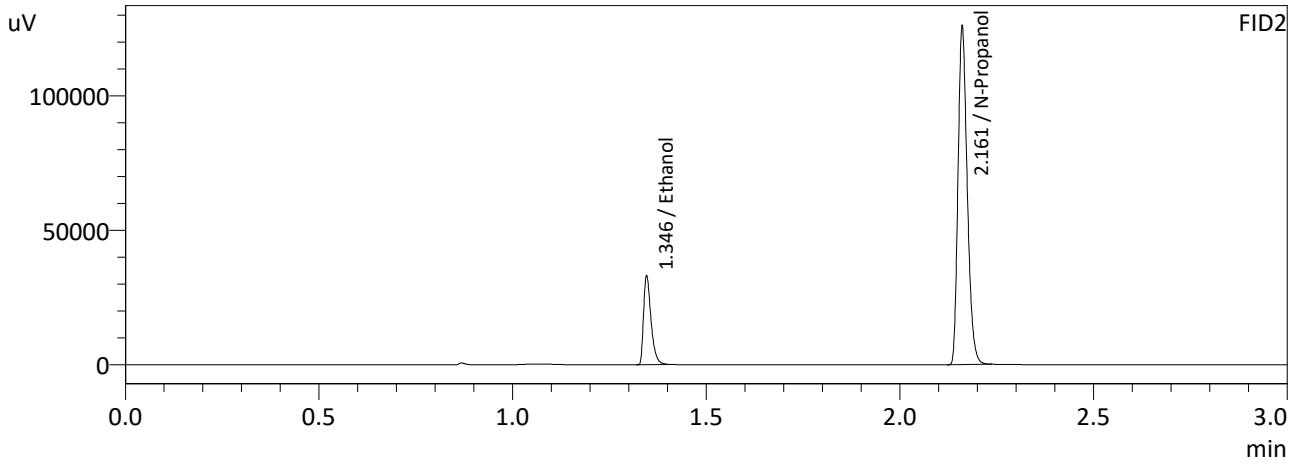
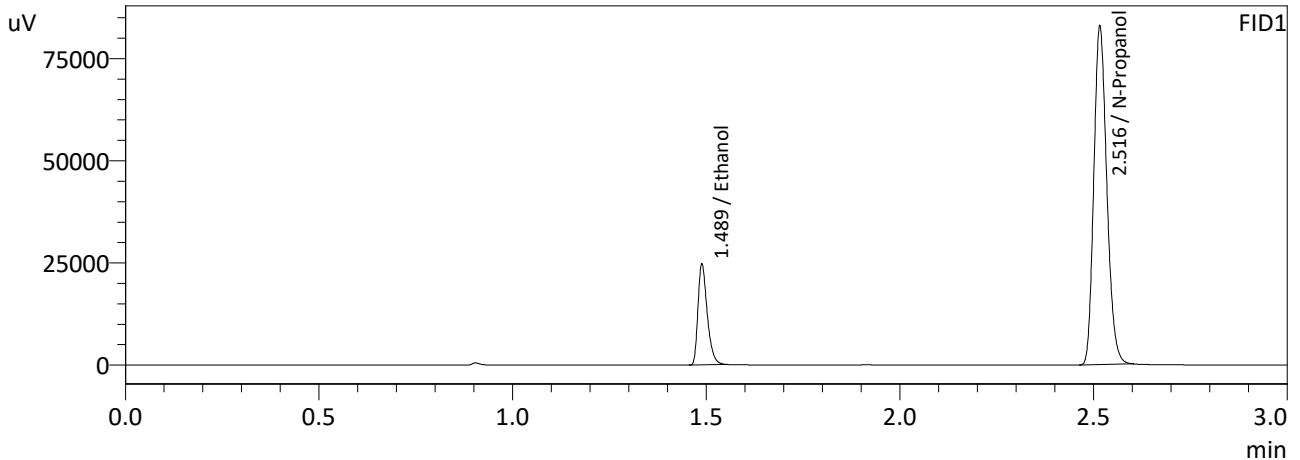
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0494 | 20198 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 191456 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0497 | 21599 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 206408 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 5/24/2024 11:48:10 AM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

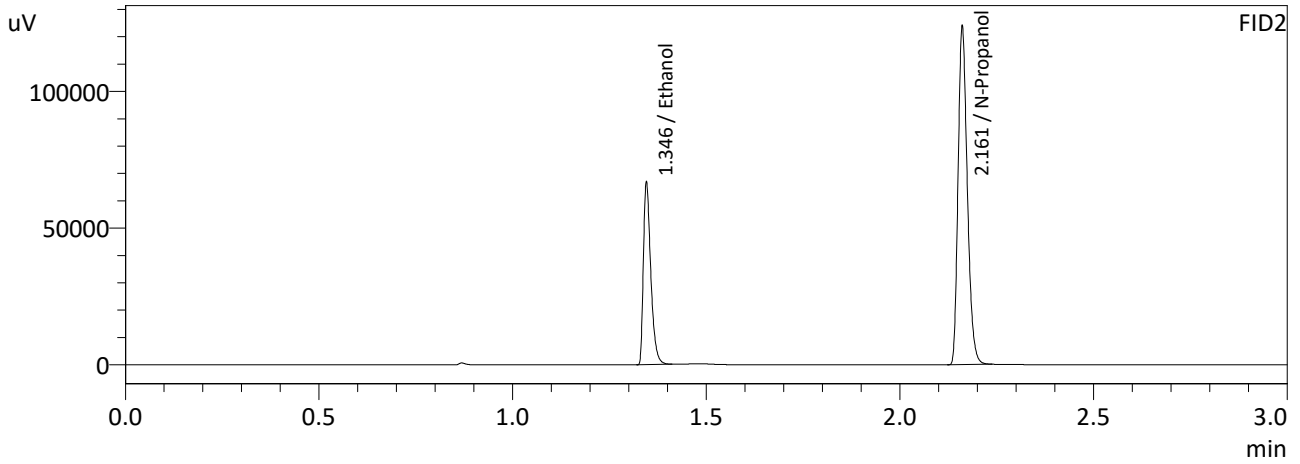
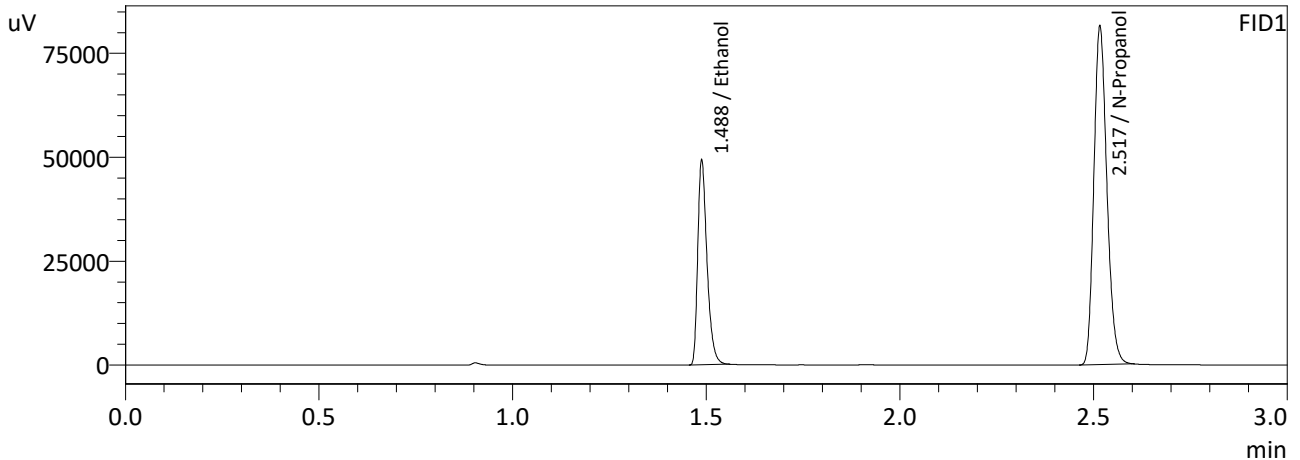
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0991 | 41081 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 193468 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0992 | 44283 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 208724 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 5/24/2024 11:55:22 AM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

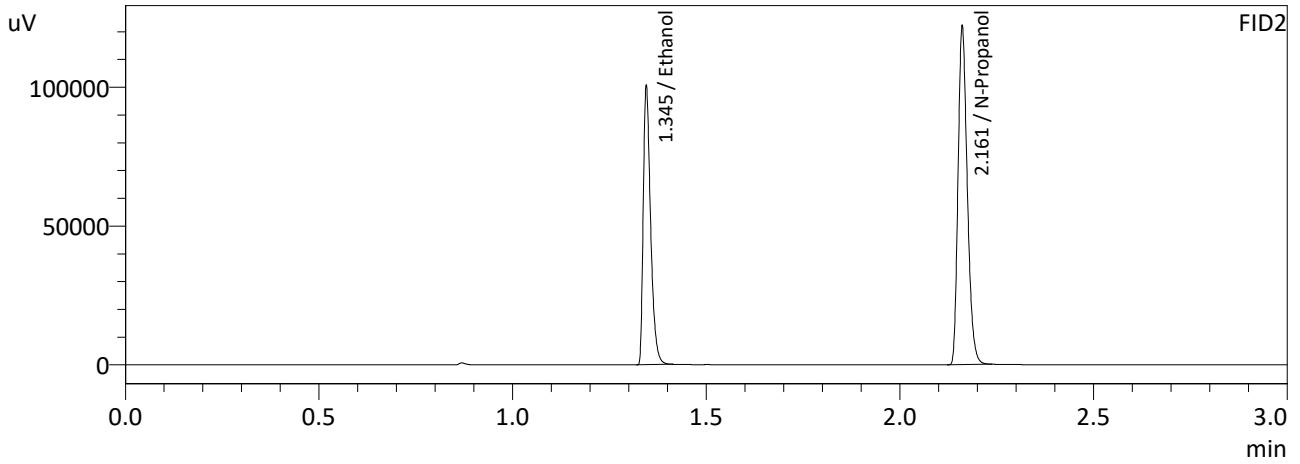
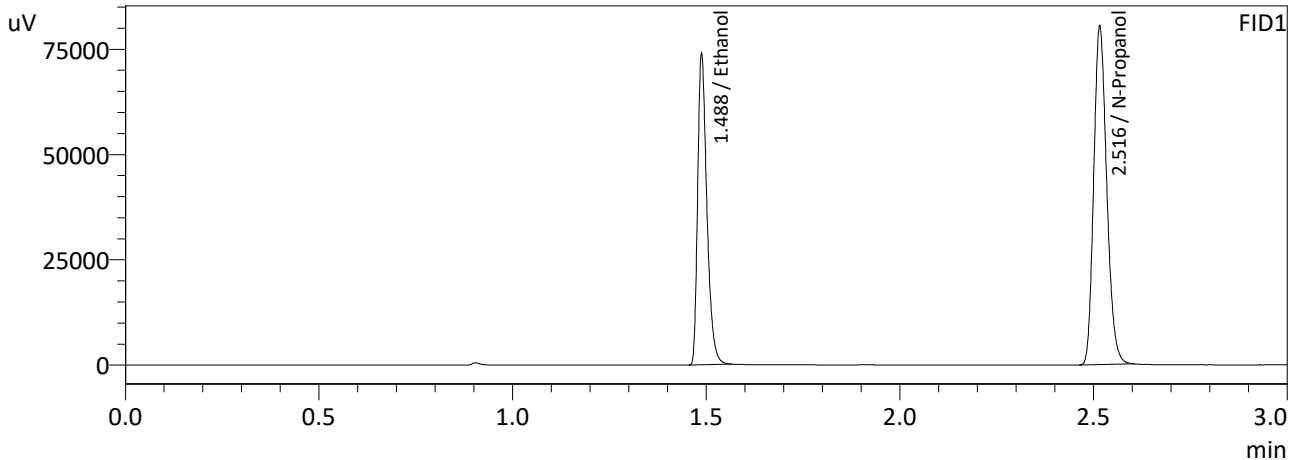
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2000 | 81762 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 190272 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1996 | 88417 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 205496 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 5/24/2024 12:04:09 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

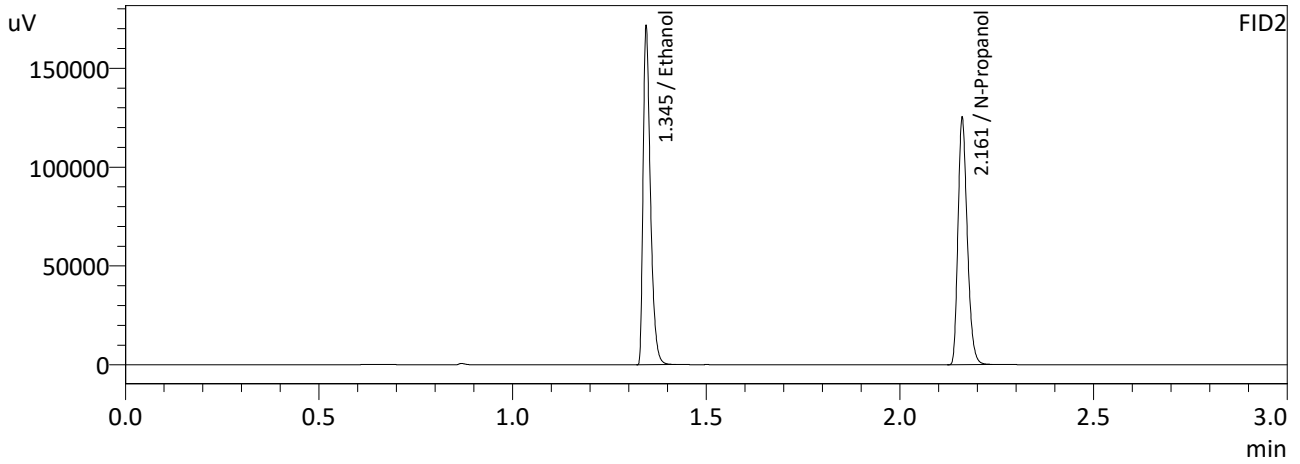
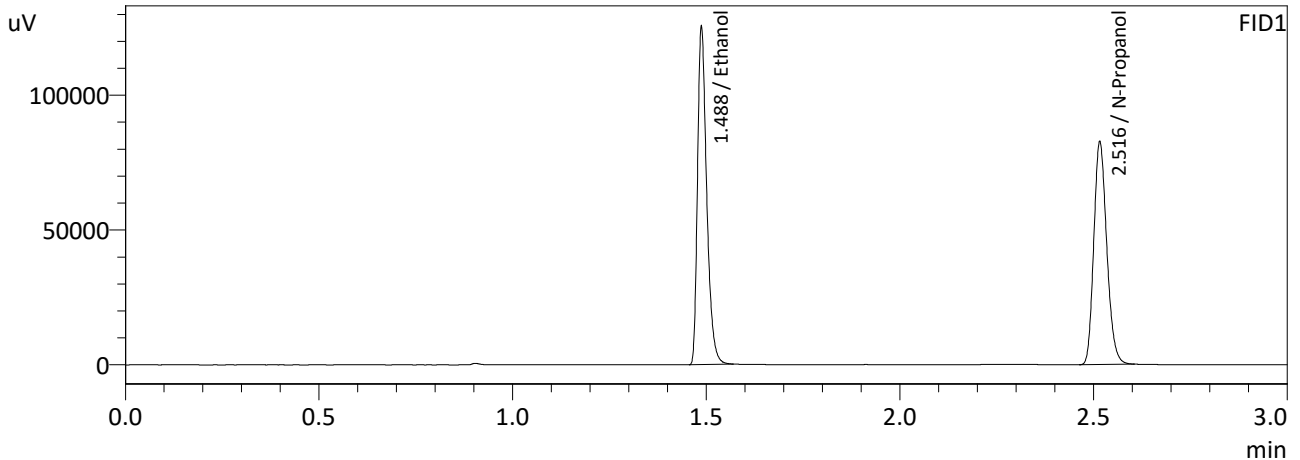
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.3027 | 122197 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 187754 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.3026 | 132487 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 202587 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 5/24/2024 12:12:10 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

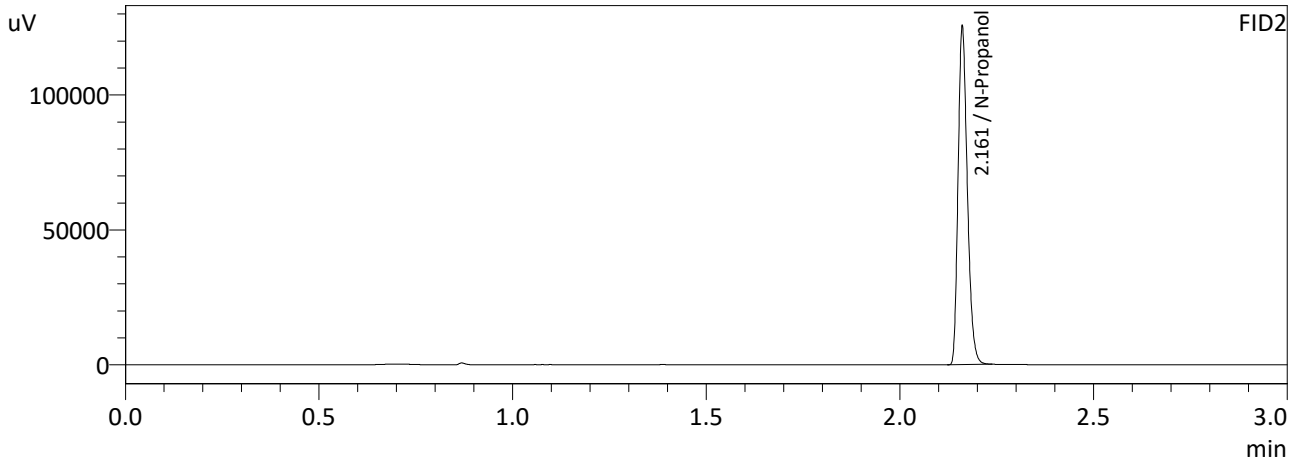
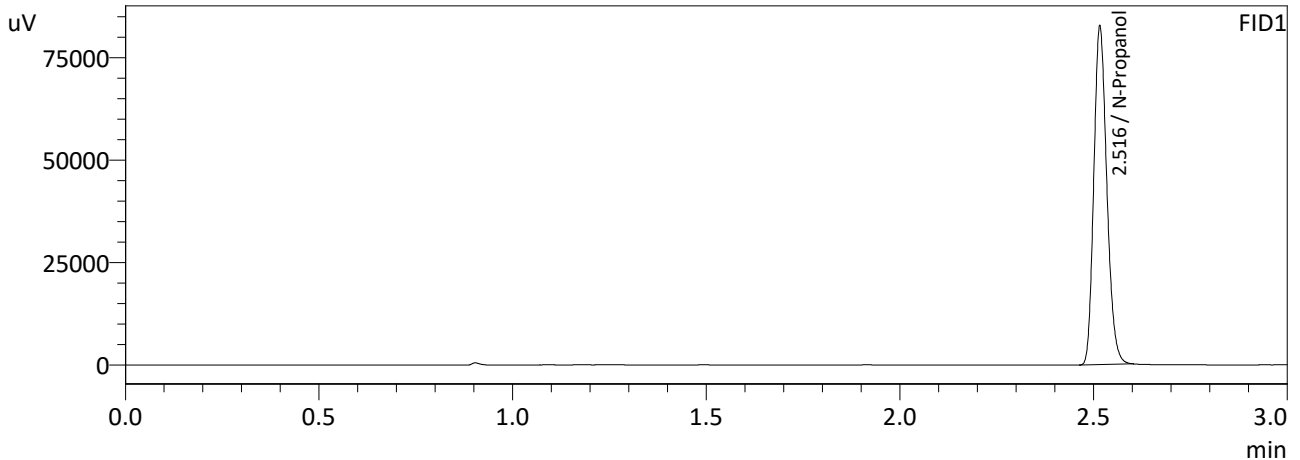
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.4985 | 206578 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 192657 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.4986 | 224250 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 207721 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 5/24/2024 12:20:08 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 193008 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 208219 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111
Copyright (C) 2008-2020 Shimadzu Corporation

| Vial# | Sample Name | Sample Type | Level# | Method File |
|-------|-------------|----------------|--------|----------------------|
| 1 | 0.050 | 1:Standard:(I) | 1 | ALCOHOL 240524NB.gcm |
| 2 | 0.100 | 1:Standard | 2 | ALCOHOL 240524NB.gcm |
| 3 | 0.200 | 1:Standard | 3 | ALCOHOL 240524NB.gcm |
| 4 | 0.300 | 1:Standard | 4 | ALCOHOL 240524NB.gcm |
| 5 | 0.500 | 1:Standard | 5 | ALCOHOL 240524NB.gcm |
| 6 | INT STD BLK | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: 0.08 QA | | | Analysis Date(s): 6/4/2024 11:41:09 AM(-06:00) | | | |
|------------------------|----------|----------|--|--------|------------|---------------|
| | Column 1 | Column 2 | Column | Mean | Sample A-B | Over-all Mean |
| | FID A | FID B | Precision | Value | Difference | |
| Sample Results | 0.0772 | 0.0773 | 0.0001 | 0.0772 | 0.0016 | 0.0780 |
| (g/100cc) | 0.0788 | 0.0789 | 0.0001 | 0.0788 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240524NB.gcm

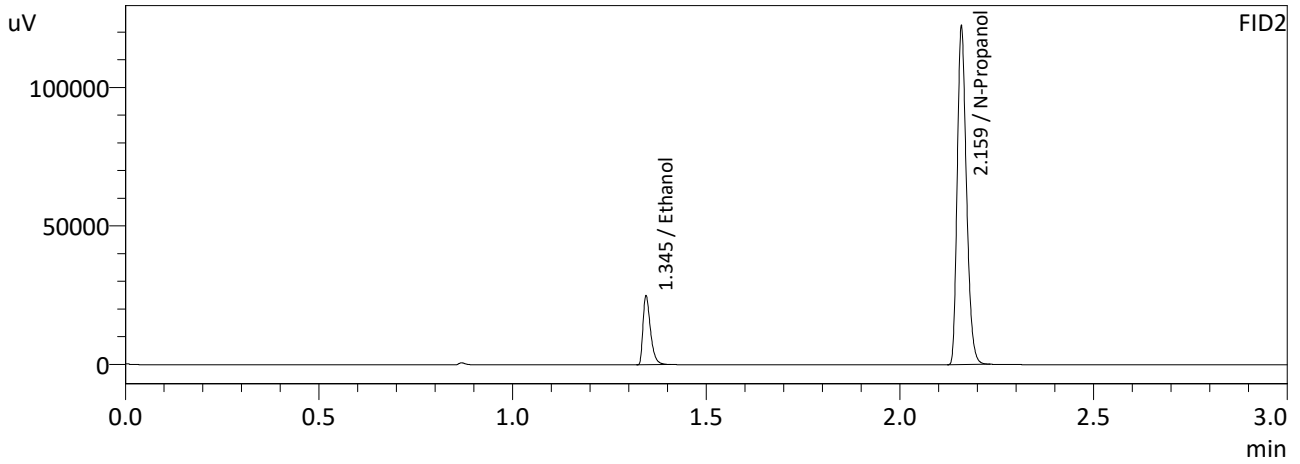
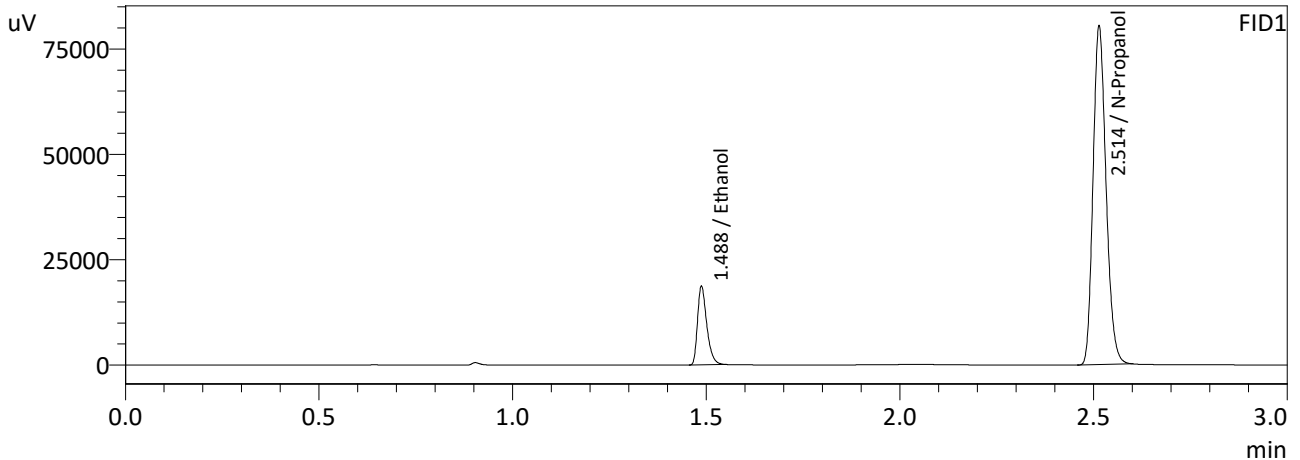
| Reporting of Results | Uncertainty of Measurements (UM%): 5.00% | | |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low | High | 5 % of Mean |
| 0.078 | 0.074 | 0.082 | 0.004 |

| Reported Results | |
|------------------|--|
| 0.078 | |

Calibration and control data are stored centrally.

NB

Sample Name : 0.08 QA
 Laboratory : Meridian
 Injection Date : 6/4/2024 11:41:09 AM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

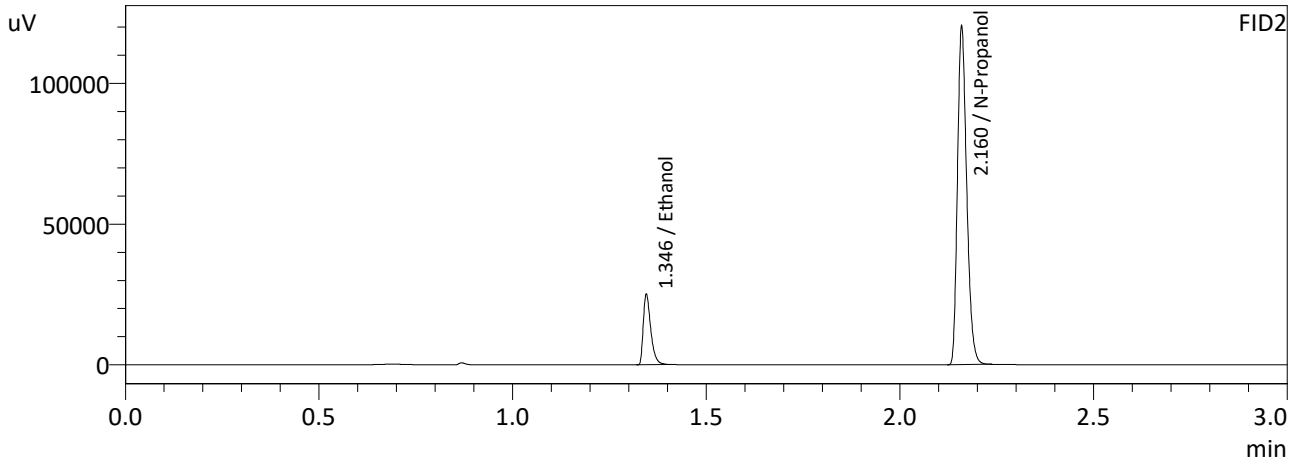
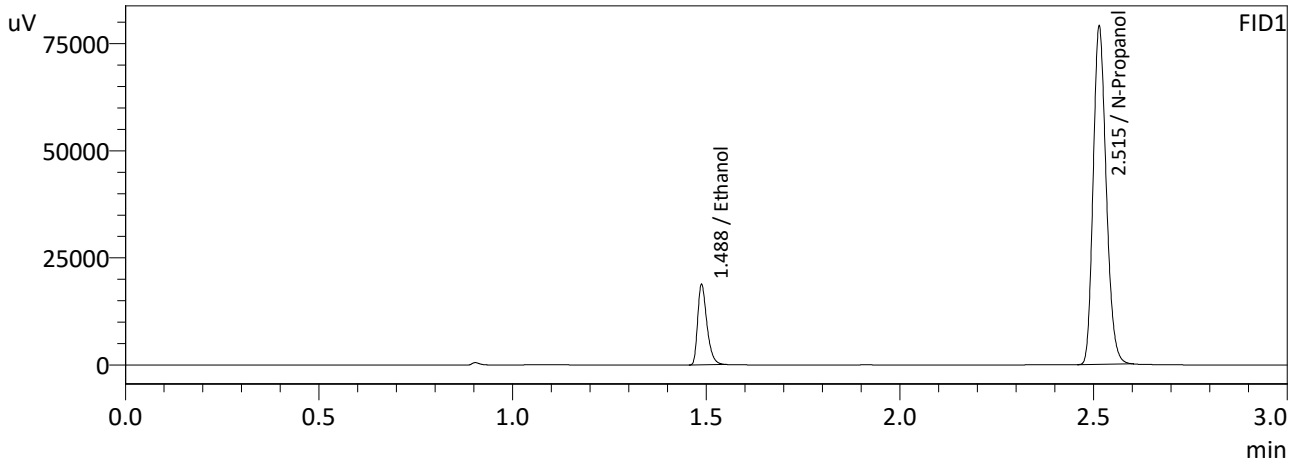
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0772 | 30950 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 187300 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0773 | 33394 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 202803 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 6/4/2024 11:49:07 AM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0788 | 31115 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 184493 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0789 | 33568 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 199654 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: QC-1-1 | | Analysis Date(s): 6/4/2024 11:24:08 AM(-06:00) | | | | |
|-----------------------|-------------------|--|---------------------|---------------|--------------------------|---------------|
| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
| Sample Results | 0.0740 | 0.0737 | 0.0003 | 0.0738 | 0.0026 | 0.0751 |
| (g/100cc) | 0.0764 | 0.0764 | 0.0000 | 0.0764 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240524NB.gcm

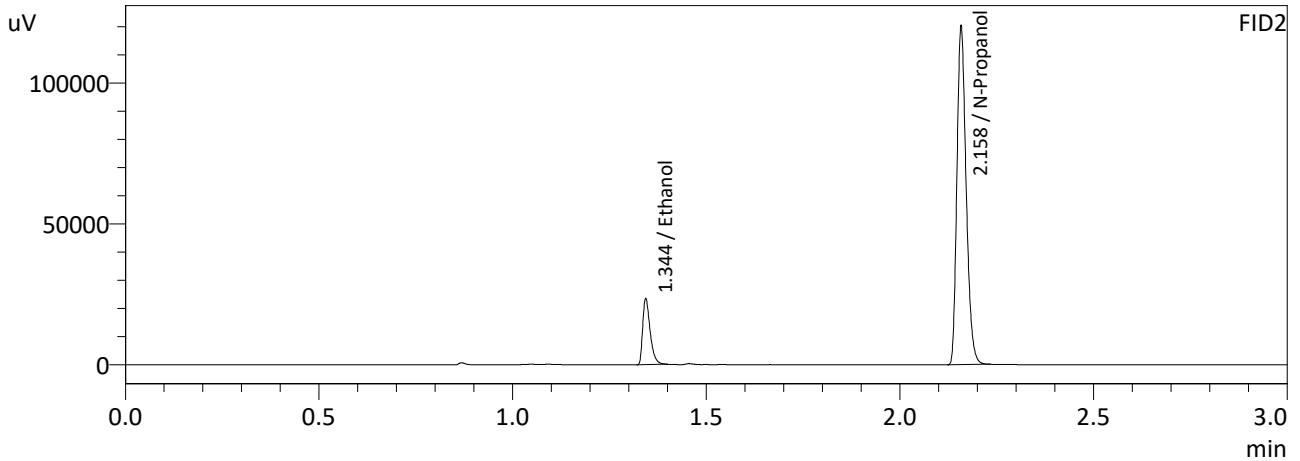
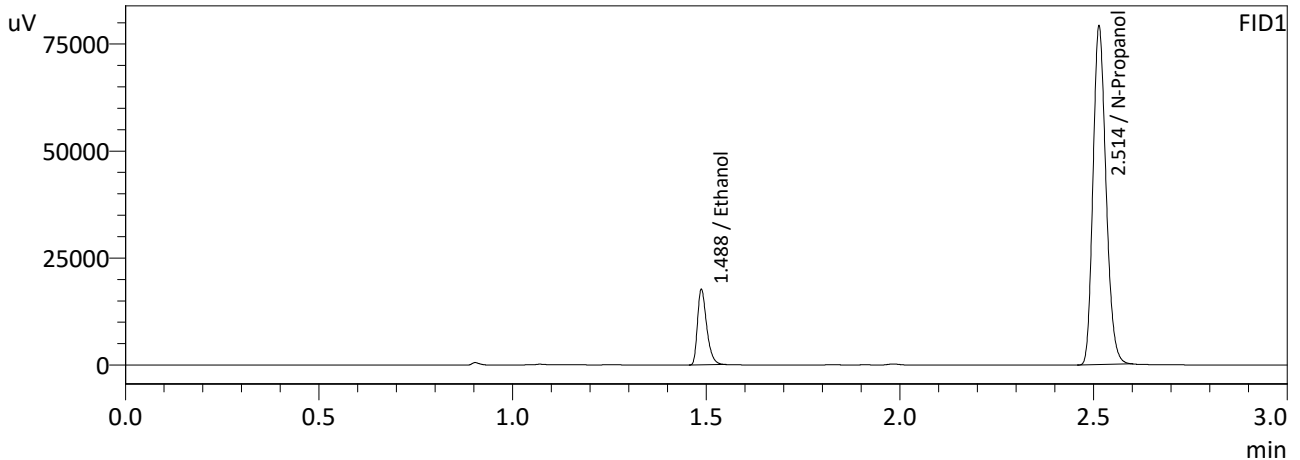
| Reporting of Results | Uncertainty of Measurements (UM%): 5.00% | | |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low | High | 5 % of Mean |
| 0.075 | 0.071 | 0.079 | 0.004 |

| Reported Results | |
|------------------|--|
| 0.075 | |

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1
 Laboratory : Meridian
 Injection Date : 6/4/2024 11:24:08 AM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

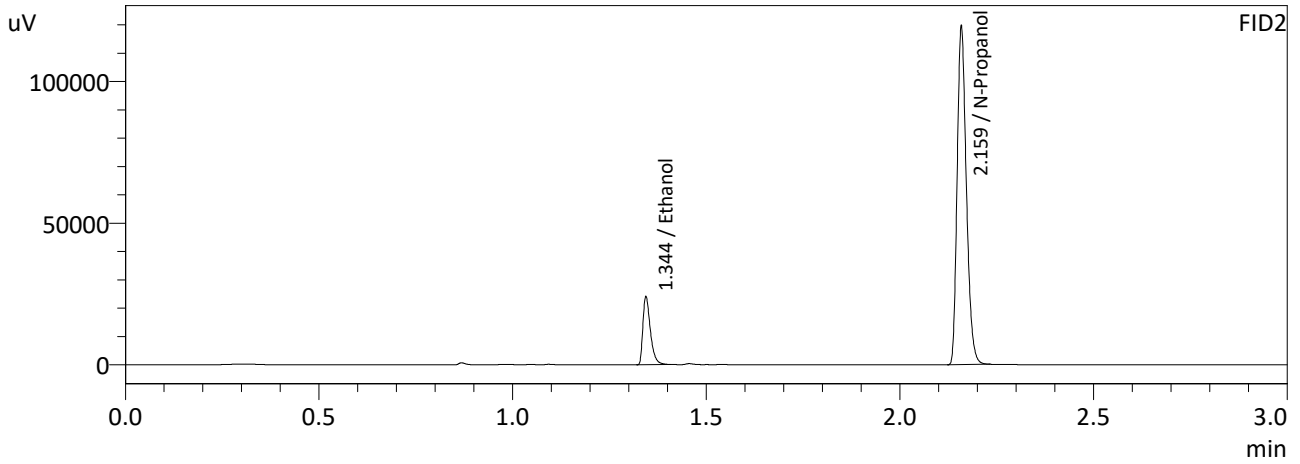
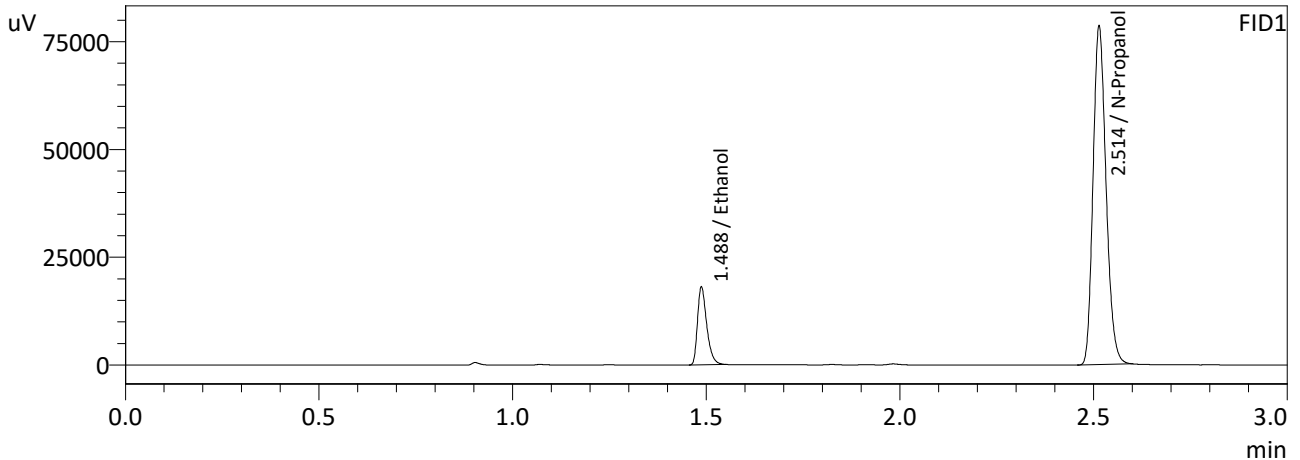
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0740 | 29203 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 184428 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0737 | 31282 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 199432 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 6/4/2024 11:32:29 AM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0764 | 29932 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 183132 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0764 | 32262 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 198190 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: QC-1-2 | | Analysis Date(s): 6/4/2024 5:21:13 PM(-06:00) | | | | |
|-----------------------|-------------------|---|---------------------|---------------|--------------------------|---------------|
| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
| Sample Results | 0.0787 | 0.0787 | 0.0000 | 0.0787 | 0.0012 | 0.0793 |
| (g/100cc) | 0.0799 | 0.0800 | 0.0001 | 0.0799 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240524NB.gcm

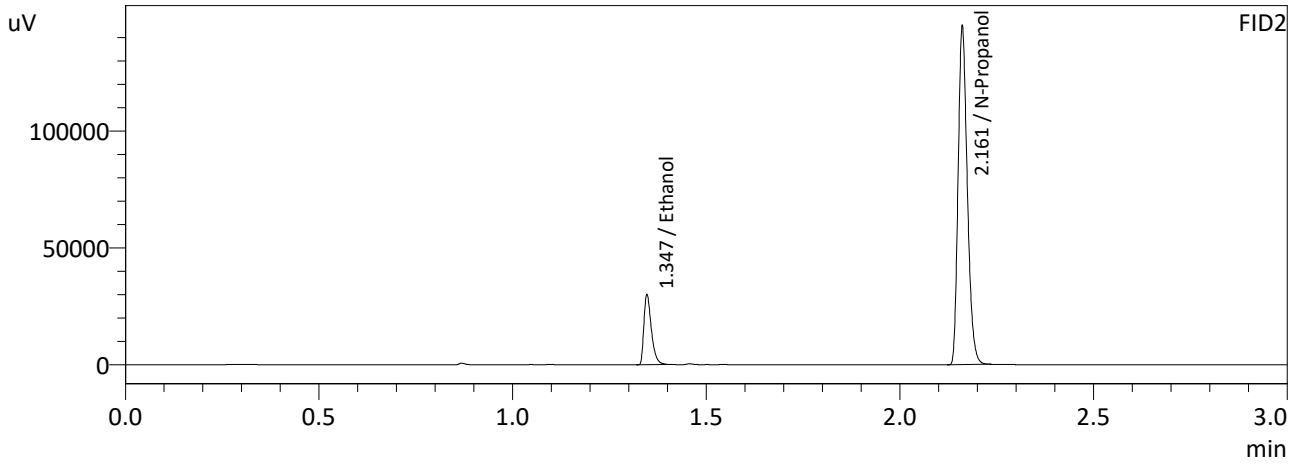
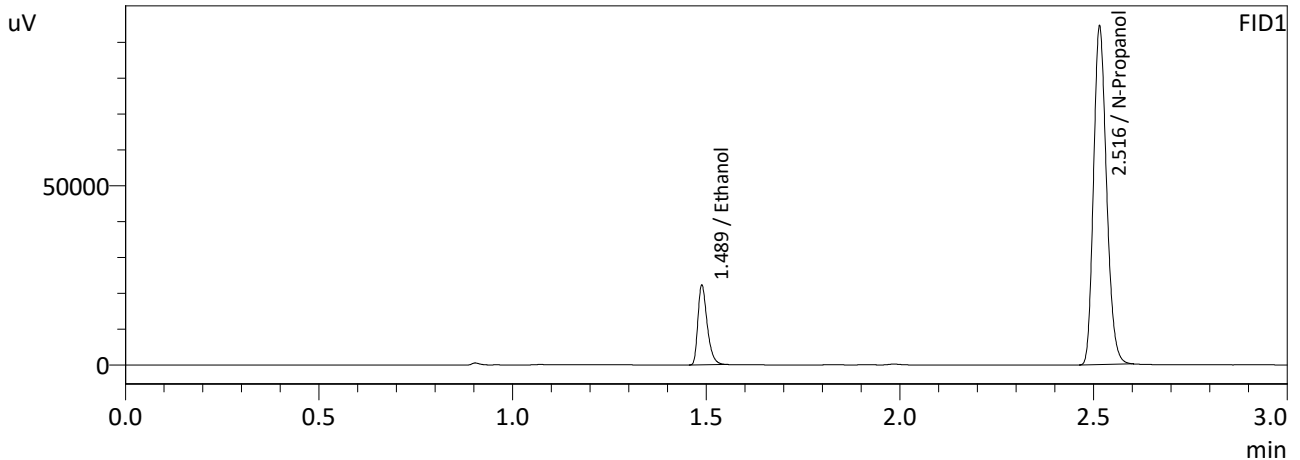
| Reporting of Results | Uncertainty of Measurements (UM%): 5.00% | | |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low | High | 5 % of Mean |
| 0.079 | 0.075 | 0.083 | 0.004 |

| Reported Results | |
|------------------|--|
| 0.079 | |

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-2
 Laboratory : Meridian
 Injection Date : 6/4/2024 5:21:13 PM
 Vial # : 47
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

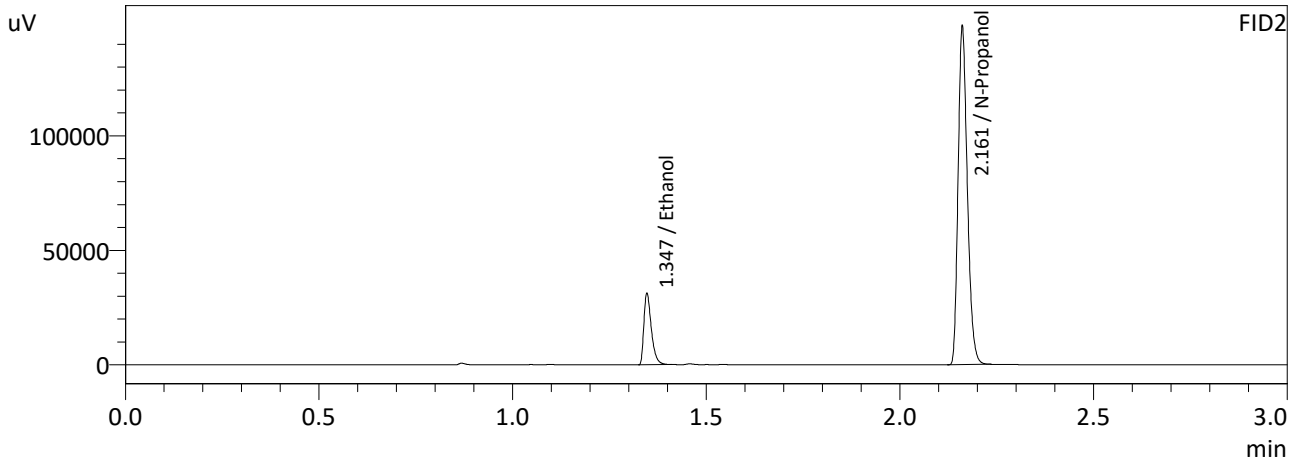
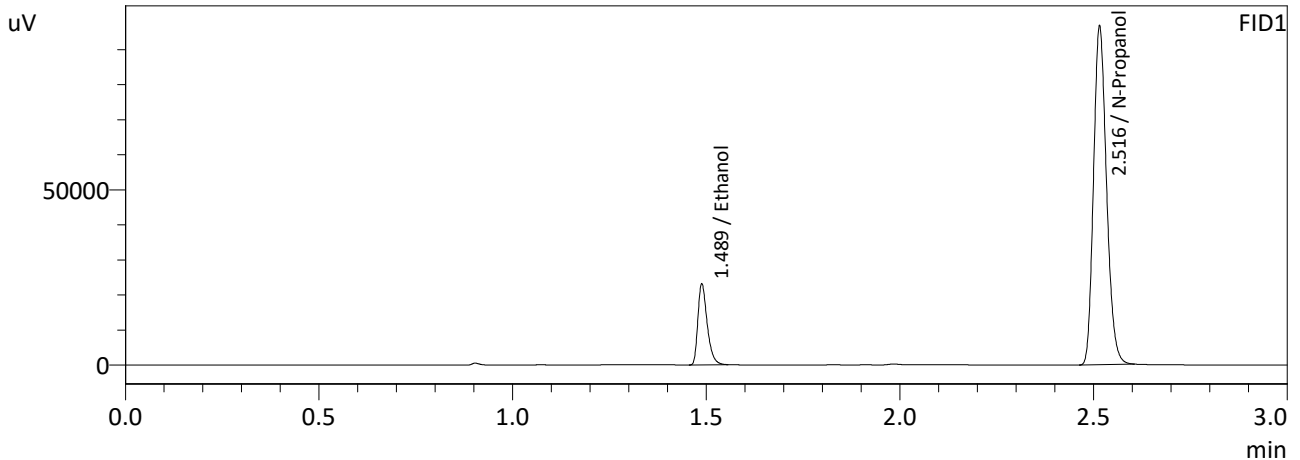
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0787 | 37142 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 220421 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0787 | 40226 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 239751 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : QC-1-2-B
 Laboratory : Meridian
 Injection Date : 6/4/2024 5:30:36 PM
 Vial # : 48
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0799 | 38593 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 225487 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0800 | 41795 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 245171 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1

Analysis Date(s): 6/4/2024 2:22:42 PM(-06:00)

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|----------------|-------------------|-------------------|---------------------|---------------|--------------------------|---------------|
| Sample Results | 0.1963 | 0.1962 | 0.0001 | 0.1962 | 0.0065 | 0.1994 |
| (g/100cc) | 0.2028 | 0.2026 | 0.0002 | 0.2027 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240524NB.gcm

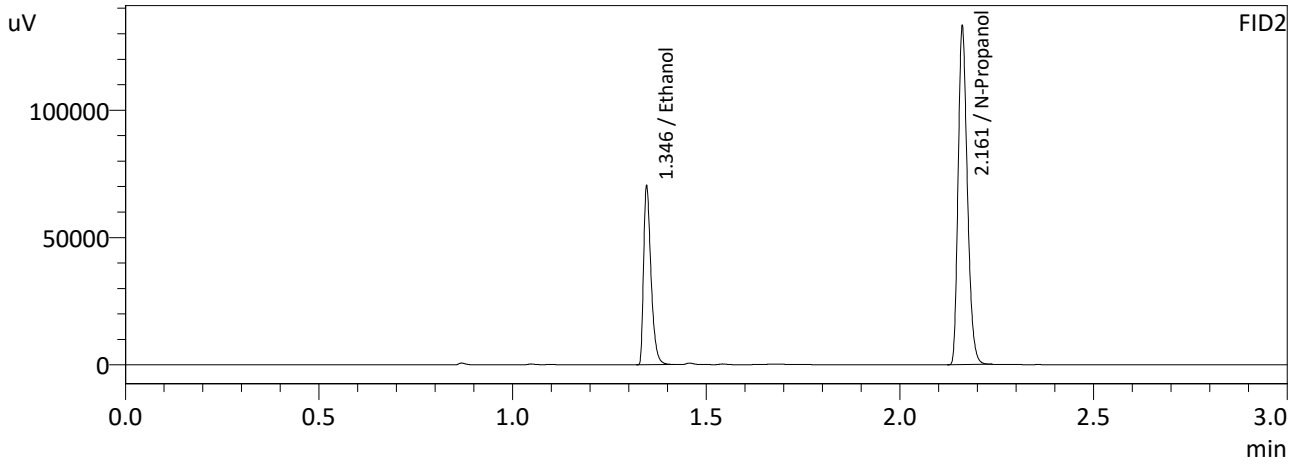
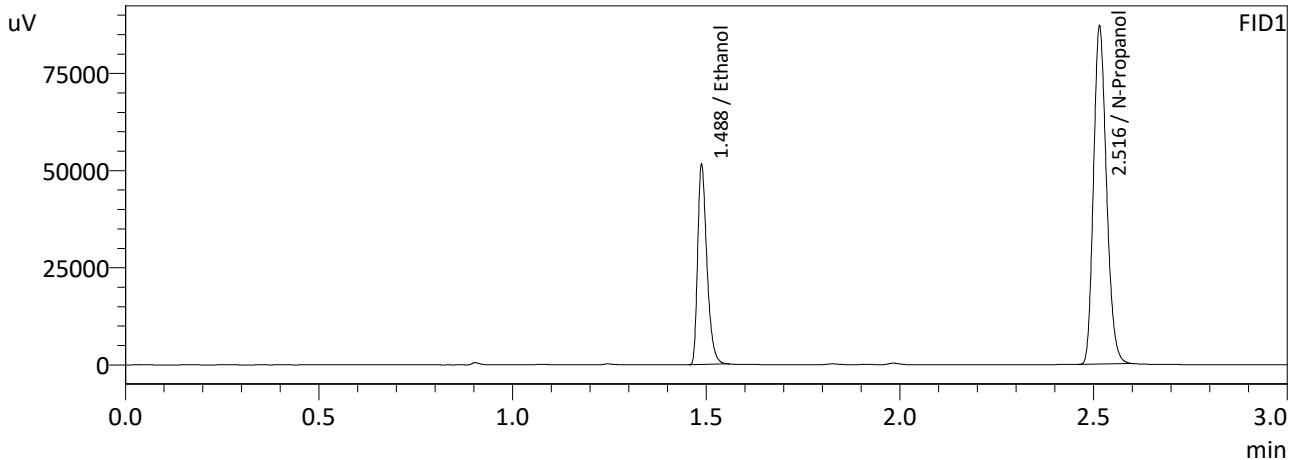
| Reporting of Results | Uncertainty of Measurements (UM%): 5.00% | | |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low | High | 5 % of Mean |
| 0.199 | 0.189 | 0.209 | 0.010 |

| Reported Results | |
|------------------|--|
| 0.199 | |

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1
 Laboratory : Meridian
 Injection Date : 6/4/2024 2:22:42 PM
 Vial # : 25
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

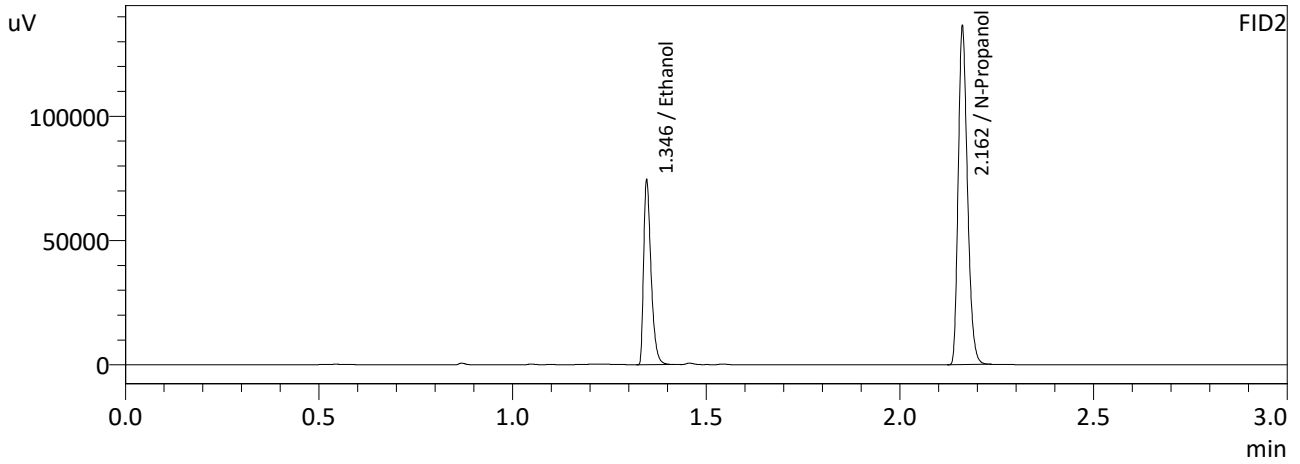
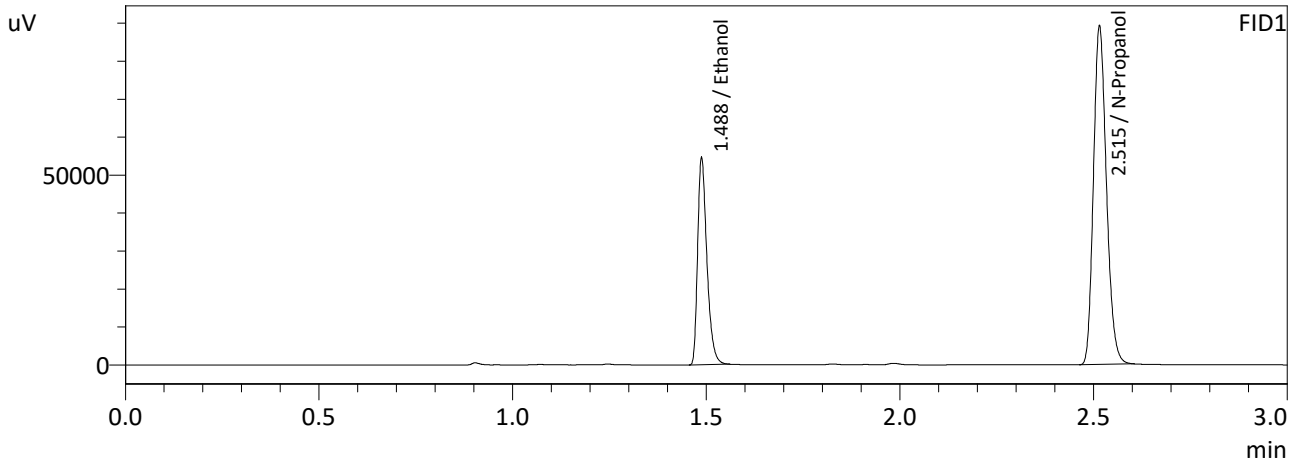
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1963 | 85619 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 203046 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1962 | 93229 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 220481 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 6/4/2024 2:30:49 PM
 Vial # : 26
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2028 | 90537 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 207768 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2026 | 98619 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 225849 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: QC-2-2 | | Analysis Date(s): 6/4/2024 5:37:36 PM(-06:00) | | | | |
|-----------------------|----------|---|-----------|--------|------------|---------------|
| | Column 1 | Column 2 | Column | Mean | Sample A-B | Over-all Mean |
| | FID A | FID B | Precision | Value | Difference | |
| Sample Results | 0.1995 | 0.1990 | 0.0005 | 0.1992 | 0.0037 | 0.2010 |
| (g/100cc) | 0.2031 | 0.2027 | 0.0004 | 0.2029 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240524NB.gcm

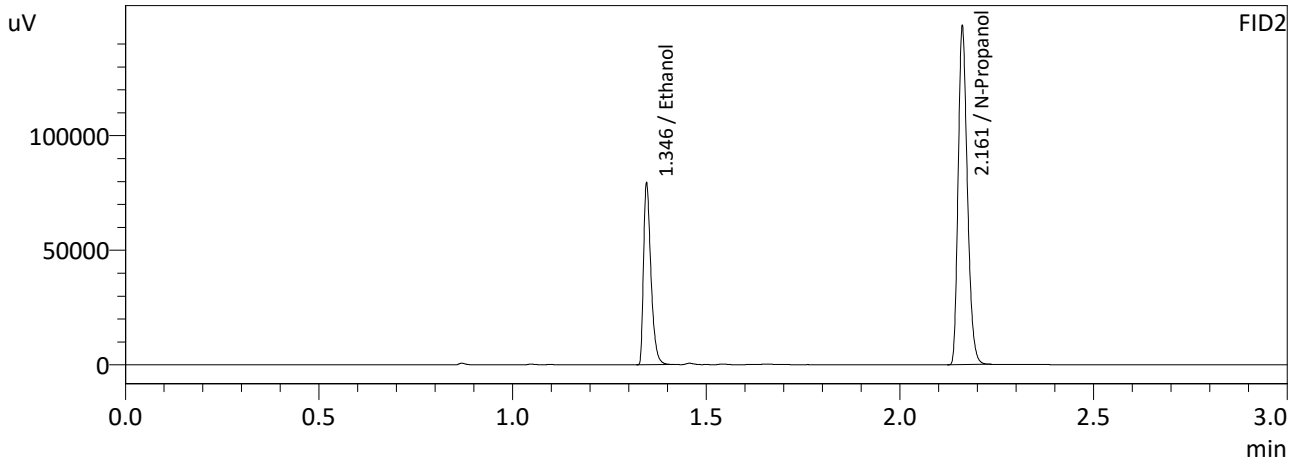
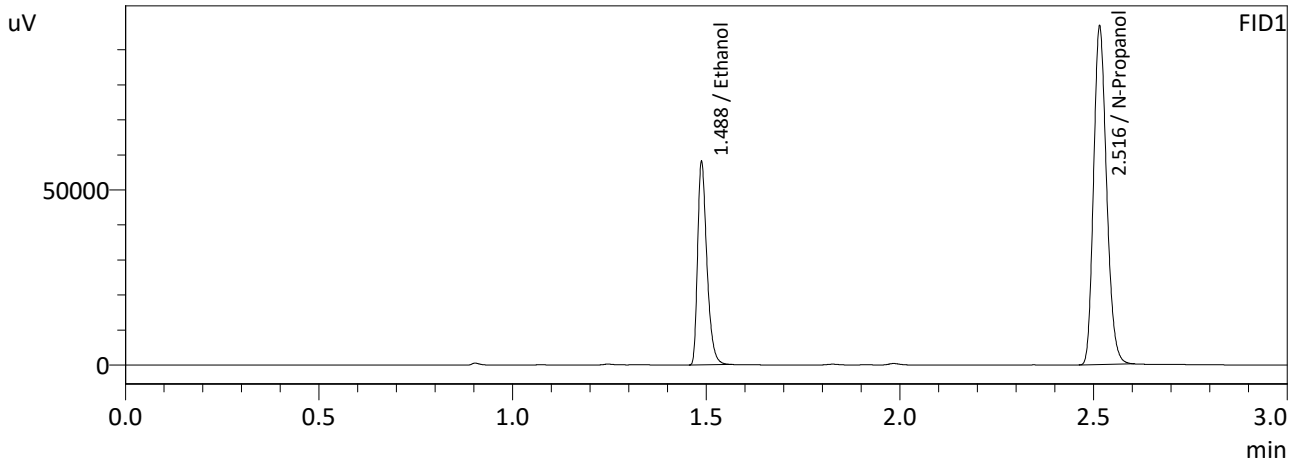
| Reporting of Results | Uncertainty of Measurements (UM%): 5.00% | | |
|------------------------|--|-------|-------------|
| Overall Mean (g/100cc) | Low | High | 5 % of Mean |
| 0.201 | 0.190 | 0.212 | 0.011 |

| Reported Results | |
|------------------|--|
| 0.201 | |

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2
 Laboratory : Meridian
 Injection Date : 6/4/2024 5:37:36 PM
 Vial # : 49
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

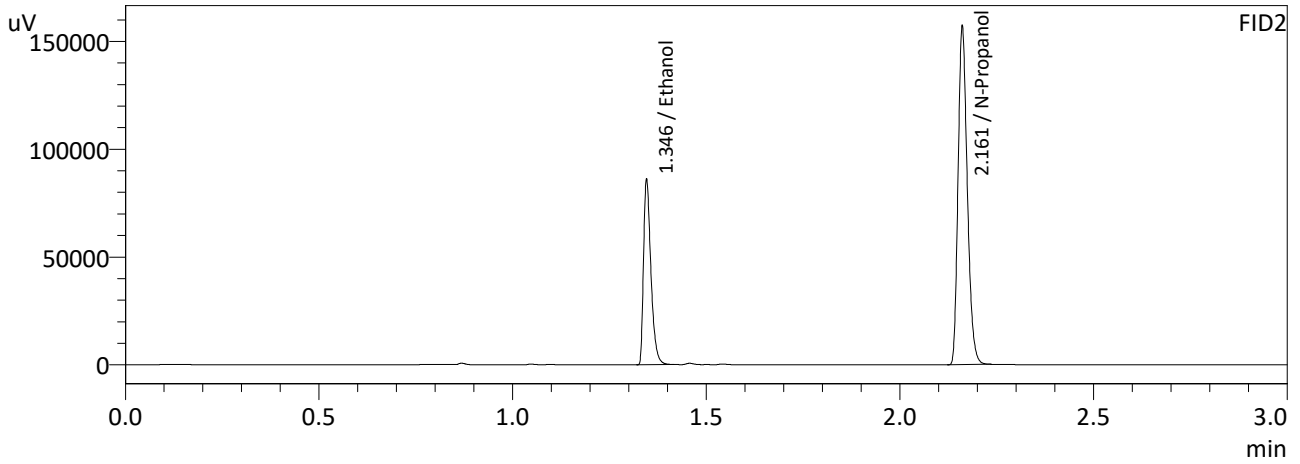
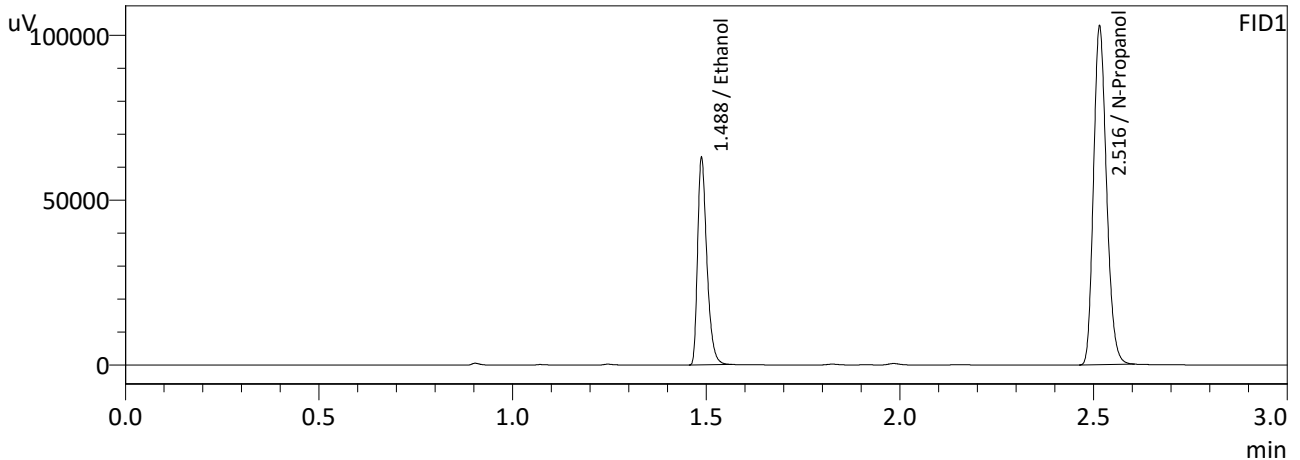
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1995 | 96529 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 225249 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1990 | 105052 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 244943 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : QC-2-2-B
 Laboratory : Meridian
 Injection Date : 6/4/2024 5:46:08 PM
 Vial # : 50
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

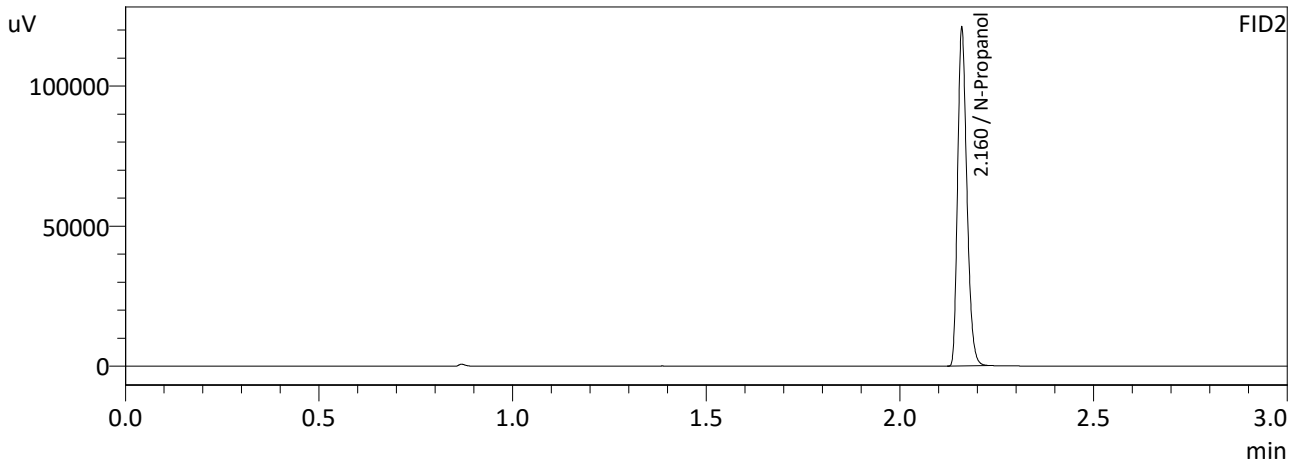
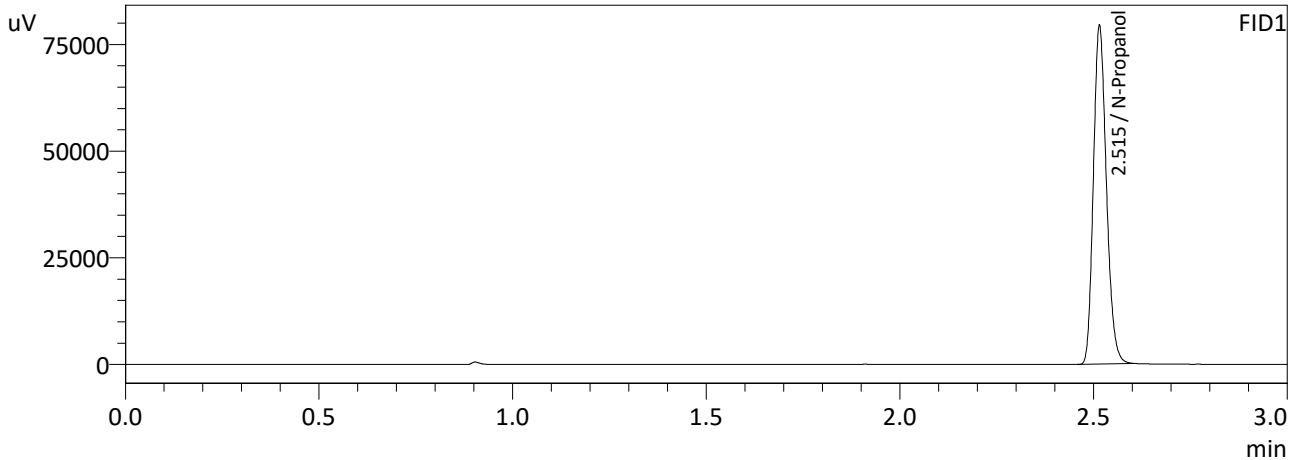
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2031 | 104530 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 239577 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2027 | 113789 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 260460 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : ISTD BLK 1
 Laboratory : Meridian
 Injection Date : 6/4/2024 11:09:07 AM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

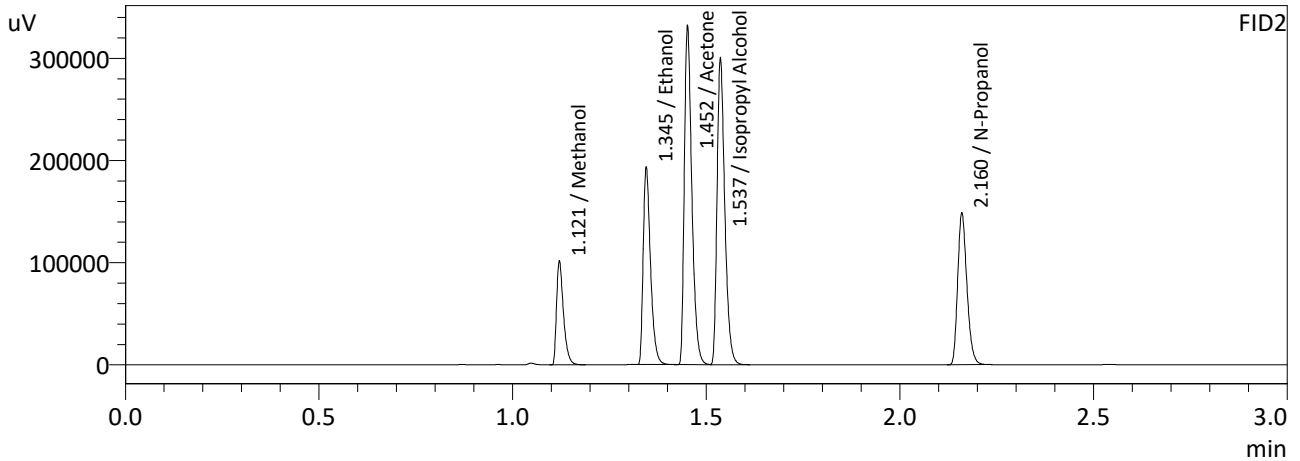
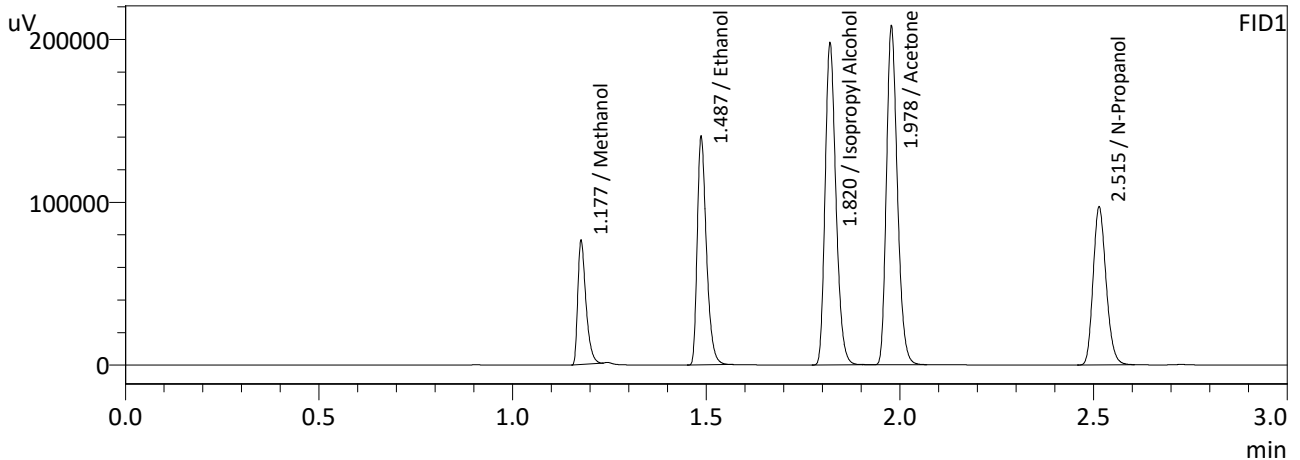
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 185371 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 200611 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 6/4/2024 11:16:28 AM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

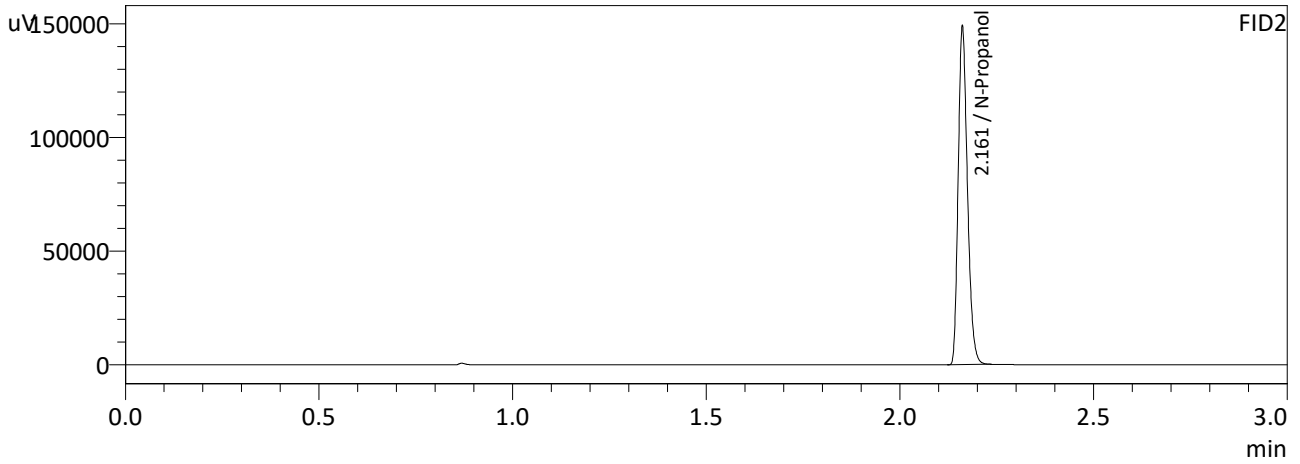
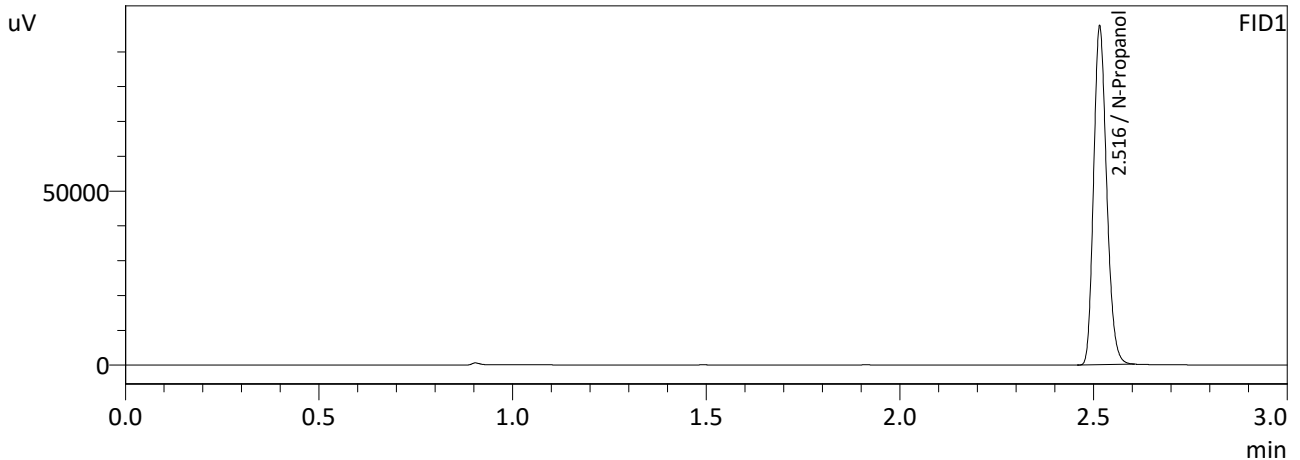
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | 0.0000 | 111341 | g/100cc |
| Ethanol | 0.4768 | 231639 | g/100cc |
| Isopropyl Alcohol | 0.0000 | 384267 | g/100cc |
| Acetone | 0.0000 | 408156 | g/100cc |
| N-Propanol | 0.0000 | 225870 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | 0.0000 | 125799 | g/100cc |
| Ethanol | 0.4771 | 253632 | g/100cc |
| Acetone | 0.0000 | 446745 | g/100cc |
| Isopropyl Alcohol | 0.0000 | 416615 | g/100cc |
| N-Propanol | 0.0000 | 245584 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Sample Name : ISTD BLK 2
 Laboratory : Meridian
 Injection Date : 6/4/2024 5:55:42 PM
 Vial # : 51
 Method Filename : Default Project - ALCOHOL_240524NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 227411 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 247146 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

NB

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
 Shimadzu HS-20 Serial #C12595800409
 Lab Solutions Database Software Ver. 6.111
 Copyright (C) 2008-2020 Shimadzu Corporation

| Vial# | Sample Name | Sample Type | Level# | Method File |
|-------|----------------------|-------------|--------|----------------------|
| 1 | ISTD BLK 1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 2 | ED VOLATILES FN 0604 | 0:Unknown | 1 | ALCOHOL 240524NB.gcm |
| 3 | QC-1-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 4 | QC-1-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 5 | 0.08 QA | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 6 | 0.08 QA-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 7 | M2024-2035-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 8 | M2024-2035-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 9 | M2024-2064-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 10 | M2024-2064-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 11 | M2024-2066-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 12 | M2024-2066-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 13 | M2024-2114-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 14 | M2024-2114-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 15 | M2024-2126-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 16 | M2024-2126-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 17 | M2024-2130-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 18 | M2024-2130-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 19 | M2024-2131-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 20 | M2024-2131-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 21 | M2024-2132-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 22 | M2024-2132-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 23 | M2024-2133-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 24 | M2024-2133-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 25 | QC-2-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 26 | QC-2-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 27 | M2024-2134-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 28 | M2024-2134-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 29 | M2024-2135-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 30 | M2024-2135-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 31 | M2024-2143-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 32 | M2024-2143-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 33 | M2024-2156-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 34 | M2024-2156-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 35 | M2024-2157-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 36 | M2024-2157-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 37 | M2024-2158-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 38 | M2024-2158-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 39 | M2024-2188-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 40 | M2024-2188-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 41 | M2024-2192-2 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 42 | M2024-2192-2-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 43 | M2024-2192-3 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 44 | M2024-2192-3-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 45 | M2024-2194-1 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 46 | M2024-2194-1-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 47 | QC-1-2 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 48 | QC-1-2-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 49 | QC-2-2 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 50 | QC-2-2-B | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |
| 51 | ISTD BLK 2 | 0:Unknown | 0 | ALCOHOL 240524NB.gcm |

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