REVIEWED

By Galina Giso at 2:00 pm, Jun 01, 2023

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Analytical Method(s): 1.0

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

Run Date(s):

5/19/23 6384 Calibration Date: (if different) Worklist #: Volatiles Quality Assurance Controls

| Control level | Expiration | Fot # | Target Value | Value | Acceptable Range | e Overall Results |
|---------------|--------------------------|---------|--------------|-------|------------------|-------------------|
| | | | | | | 0.0832 g/100cc |
| Level 1 | Feb-25 | 2101199 | 0.0808 | 808 | 0.0727-0.0889 | 0.0831 g/100cc |
| | | | | | | g/100cc |
| | | | | | | 0.2077 g/100cc |
| Level 2 | Jul-23 | 1907007 | 0.2170 | 170 | 0.1953-0.2387 | 0.2168 g/100cc |
| | | | | | | g/100cc |
| Multi-Compo | Multi-Component mixture: | Exp: | Oct. 2024 | Lot# | FN06041902 | |
| | Curve Fit: | | Column 1 | 6.0 | 0.99987 Column2 | 12 0.99987 |
| | | | | | | |

Ethanol Calibration Reference Material

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Column 2 Precision | Mean |
|------------------|--------------|------------------|----------|----------|--------------------|---------|
| 50 | 0.050 | 0.045 - 0.055 | 0.0518 | 0.0517 | 1E-04 | 0.0517 |
| 100 | 0.100 | 0.090 - 0.110 | 0.1005 | 0.1007 | 0.0002 | 0.1006 |
| 200 | 0.200 | 0.180 - 0.220 | 0.1979 | 0.1978 | 1E-04 | 0.1978 |
| 300 | 0.300 | 0.270 - 0.330 | 0.2977 | 0.2977 | 0 | 0.2977 |
| 400 | 0.400 | 0.360 - 0.440 | | | 0 | #DIV/0! |
| 200 | 0.500 | 0.450 - 0.550 | 0.5018 | 0.5018 | 0 | 0.5018 |

Aqueous Controls

| Control level | Target Value | Acceptable Range | Overall Re | esults |
|---------------|--------------|------------------|------------|---------|
| 08 | 0.080 | 0.076 - 0.084 | 0.081 g/ | g/100cc |



Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Page: 1 of 2

Internal Standard Monitoring Worksheet

| | | D | | II |
|-------------|------|--------------|---------|-------|
| Norklist #: | 6384 | Run Date(s): | 5/31/23 | |
| | 44. | | | 15350 |

| Internal Standard Solution: | Prep Date: | 2/24/2023 | Exp Date: | 8/24/2023 |
|-----------------------------|------------|-----------|-----------|-----------|
|-----------------------------|------------|-----------|-----------|-----------|

| Column 2 Value | 198971 | 194795 | 216958 | 215487 | 223273 | 238740 | | | 194506 | 197439 | 228088 | 235569 | | |
|----------------|--------|--------|--------|--------|--------|--------|-----|-----|--------|--------|--------|--------|-----|-----|
| Column 1 Value | 178578 | 175263 | 195443 | 194112 | 202100 | 216018 | | | 175185 | 177781 | 206677 | 213459 | | |
| Sample Name | 0.080 | 0.080 | QC1 | QC1 | QCI | QC1 | QC1 | QCI | QC2 | QC2 | QC2 | QC2 | QC2 | QC2 |

| | Average | (-)20% | (+)20% |
|----------|----------|----------|----------|
| Column 1 | 193461.6 | 154769.3 | 232153.9 |
| Column 2 | 214382.6 | 171506.1 | 257259.1 |



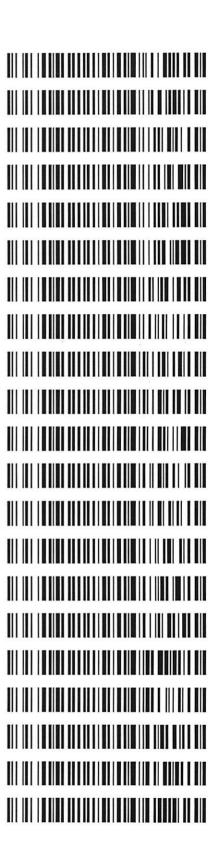
Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Worklist: 6384

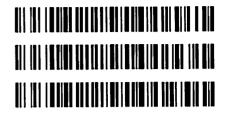
| LAB CASE | ITEM | ITEM TYPE | DESCRIPTION |
|--------------|------|-----------|------------------|
| M2023-2146 | 1 | вск | Alcohol Analysis |
| M2023-2171 | 1 | вск | Alcohol Analysis |
| M2023-2187 | 1 | BCK | Alcohol Analysis |
| M2023-2188 | 1 | вск | Alcohol Analysis |
| M2023-2189 | 1 | вск | Alcohol Analysis |
| M2023-2190 | 1 | вск | Alcohol Analysis |
| , M2023-2202 | 1 | вск | Alcohol Analysis |
| M2023-2214 | 1 | вск | Alcohol Analysis |
| M2023-2225 | 1 | вск | Alcohol Analysis |
| M2023-2226 | 1 | вск | Alcohol Analysis |
| M2023-2227 | 1 | вск | Alcohol Analysis |
| M2023-2235 | 1 | вск | Alcohol Analysis |
| M2023-2236 | 1 | вск | Alcohol Analysis |
| M2023-2246 | 1 | вск | Alcohol Analysis |
| M2023-2247 | 1 | вск | Alcohol Analysis |
| M2023-2250 | 1 | вск | Alcohol Analysis |
| M2023-2302 | 1 | вск | Alcohol Analysis |
| M2023-2303 | 1 | вск | Alcohol Analysis |
| M2023-2312 | 1 | вск | Alcohol Analysis |
| M2023-2313 | 1 | вск | Alcohol Analysis |
| M2023-2314 | 1 | вск | Alcohol Analysis |





Worklist: 6384

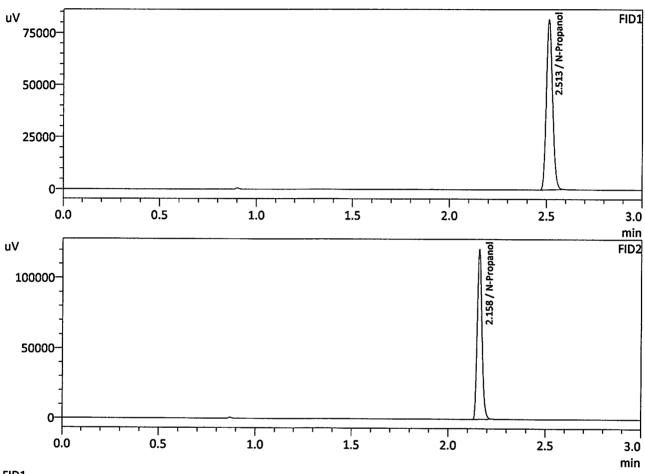
| LAB CASE | <u>ITEM</u> | ITEM TYPE | DESCRIPTION |
|------------|-------------|-----------|------------------|
| M2023-2315 | 1 | вск | Alcohol Analysis |
| M2023-2316 | 1 | вск | Alcohol Analysis |
| M2023-2317 | 1 | BCK | Alcohol Analysis |



: INT STD BLK 1 : Meridian : 5/31/2023 10:42:01 AM

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409 Method Filename

Instrument #GC/HS



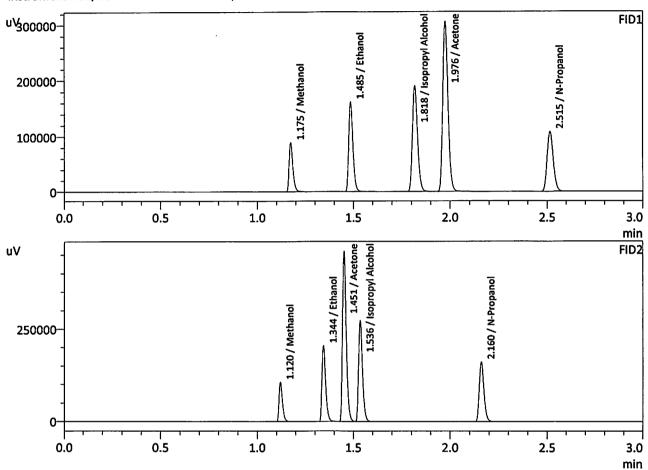
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | | | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | | | g/100cc |
| N-Propanol | 0.0000 | 181108 | g/100cc |
| Fluor. Hydrocarbon(s) | | - | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | _ | | g/100cc |
| Ethanol | | | g/100cc |
| Acetone | ** | | g/100cc |
| Isopropyl Alcohol | •• | | g/100cc |
| N-Propanol | 0.0000 | 201966 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |

Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS : MIXED VOLATILES FN 06041902

: Meridian : 5/31/2023 10:49:20 AM : 2

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409



| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | 0.0000 | 120881 | g/100cc |
| Ethanol | 0.4686 | 247024 | g/100cc |
| Isopropyl Alcohol | 0.0000 | 349285 | g/100cc |
| Acetone | 0.0000 | 569910 | g/100cc |
| N-Propanol | 0.0000 | 240503 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | 0.0000 | 132757 | g/100cc |
| Ethanol | 0.4672 | 270768 | g/100cc |
| Acetone | 0.0000 | 620450 | g/100cc |
| Isopropyl Alcohol | 0.0000 | 380813 | g/100cc |
| N-Propanol | 0.0000 | 265026 | g/100cc |
| Flour. Hydrocarbon(s) | *** | | g/100cc |

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: | QC-1-1- 2-1 | 16 6/1/23 | Ana | alysis Date(s): | 5/31/2023 10:5 | 66:40 AM(-06:00) |
|----------------------|---------------|------------|------------------|---------------------|----------------|------------------|
| | Column 1 | Column 2 | Column | Mean | Sample A-B | ~ " |
| | FID A | FID B | Precision | Value | Difference | Over-all Mean |
| Sample Results | 0.2106 | 0.2104 | 0.0002 | 0.2105 | 0.0050 | 0.0077 |
| (g/100cc) | 0.2051 | 0.2048 | 0.0003 | 0.2049 | 0.0056 | 0.2077 |
| Analysis Method | | | | | | |
| Refer to Blood Alco | hol Method #1 | | | | | |
| Instrument Informati | | Instrumen | t information is | s stored centrally. | | |
| Refer To Instrument | Method: | ALCOHOL_23 | 30519JG.GCN | 1.gcm | | |
| Reporting of Results | 3 | | Uncertaint | y of Measurer | ments (UM%): | 5.00% |
| Overall | Mean (g/100co | c) | Low High | | 5 % | % of Mean |
| | 0.207 | | 0.196 | 0.196 0.218 | | 0.011 |
| | | Rep | orted Res | ults | | |
| | | | 0.207 | | | |

Calibration and control data are stored centrally.

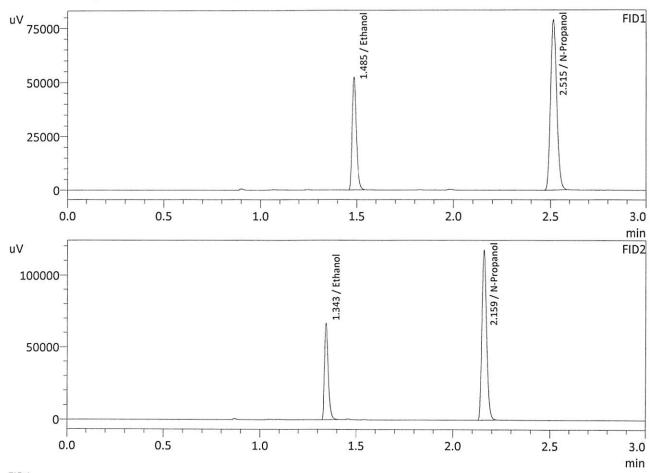
Sample Name Laboratory

: QC-1-1 : Meridian 16 6/1/23

: 5/31/2023 10:56:40 AM

Injection Date
Vial #
Method Filename
Instrument #GC/HS

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409



| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.2106 | 80093 | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | | | g/100cc |
| N-Propanol | 0.0000 | 175185 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

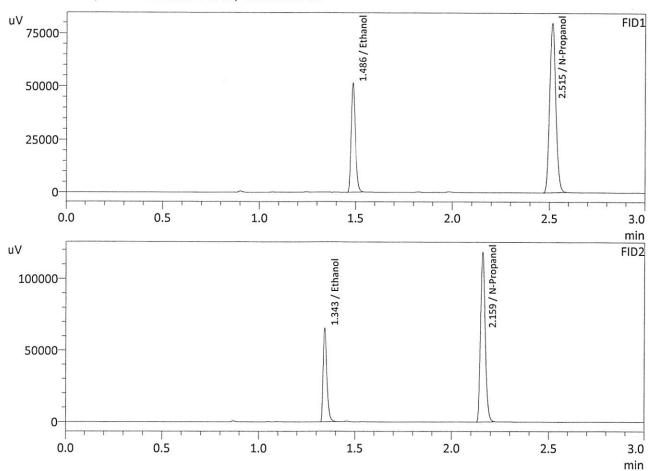
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.2104 | 88625 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| N-Propanol | 0.0000 | 194506 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |



Sample Name Laboratory : QC-1-1-B : Meridian 2-1-3 16 6/1/23 Injection Date Vial # : 5/31/2023 11:05:22 AM

: 4

Method Filename Instrument #GC/HS : Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409



| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.2051 | 79125 | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | | | g/100cc |
| N-Propanol | 0.0000 | 177781 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.2048 | 87500 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| N-Propanol | 0.0000 | 197439 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |

VOLATILES DETERMINATION CASEFILE WORKSHEET

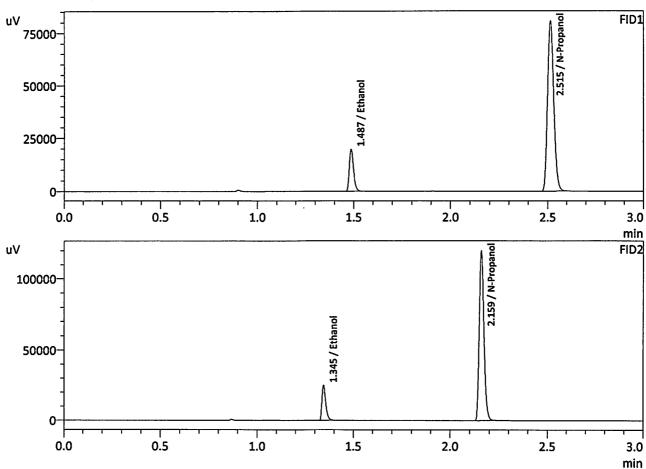
VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: | 0.08 QA | | Ana | ilysis Date(s): | 5/31/2023 11:1 | 2:58 AM(-06:00) |
|--|-----------------------------------|-----------|-------------|-----------------|----------------|--|
| <u> James - J. Barriero e de la Parriero de Companyo y del Parriero de la </u> | Column 1 | Column 2 | Column | Mean | Sample A-B | Over-all Mean |
| | FID A | FID B | Precision | Value | Difference | Over-all Mean |
| Sample Results | 0.0812 | 0.0810 | 0.0002 | 0.0811 | 0.0009 | 0.0815 |
| (g/100cc) | 0.0820 | 0.0820 | 0.0000 | 0.0820 | 0.0009 | C1 8U.U |
| Analysis Method | | | | | | |
| Refer to Blood Alco | hol Method #1 | | | | | |
| Instrument Information Instrument information is stored centrally. | | | | | | |
| Refer To Instrument | Method: | ALCOHOL_2 | 30519JG.GCN | Л.gcm | | The Part of the Pa |
| Reporting of Results | 8 | 112(12.5) | Uncertaint | y of Measure | ments (UM%): | 5.00% |
| Overall | Mean (g/100c | c) | Low High | | 5 % of Mean | |
| | 0.081 | | 0.076 | 0.086 | 0.005 | |
| endal e de come marcan da la la la delecc | Server Special project (128 pm) V | Re | oorted Res | sults | | g begreening gap grandening bestellig betreet en de verg |
| | | | 0.081 | | | |

Calibration and control data are stored centrally.

: 0.08 QA : Meridian : 5/31/2023 11:12:58 AM

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409 Method Filename Instrument #GC/HS



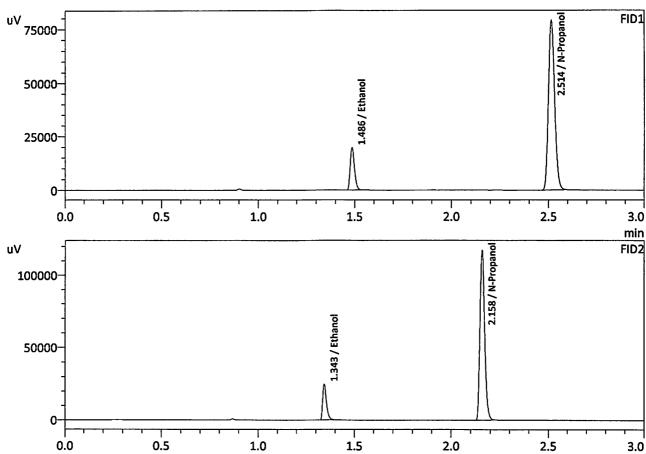
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | •• | | g/100cc |
| Ethanol | 0.0812 | 30601 | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | | | g/100cc |
| N-Propanol | 0.0000 | 178578 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.0810 | 33884 | g/100cc |
| Acetone | ** | | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| N-Propanol | 0.0000 | 198971 | g/100cc |
| Flour. Hydrocarbon(s) | •• | | g/100cc |

Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS

: 0.08 QA-B : Meridian : 5/31/2023 11:21:21 AM

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409



| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.0820 | 30324 | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | | | g/100cc |
| N-Propanol | 0.0000 | 175263 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | - | g/100cc |
| Ethanol | 0.0820 | 33611 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyl Alcohol | •• | | g/100cc |
| N-Propanol | 0.0000 | 194795 | g/100cc |
| Flour. Hydrocarbon(s) | | _ | g/100cc |

min

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: QC-2-1 - 36 6/1/23 Analysis Date(s): 5/31/2023 1:54:00 PM(-06:00) | | | | | | 1:00 PM(-06:00) |
|--|--|-----------|---------------------|---------------|--------------|---------------------|
| | Column 1 | Column 2 | Column | Mean | Sample A-B | |
| | FID A | FID B | Precision | Value | Difference | Over-all Mean |
| Sample Results | 0.0832 | 0.0828 | 0.0004 | 0.0830 | | |
| (g/100cc) | 0.0836 | 0.0835 | 0.0001 | 0.0835 | 0.0005 | 0.0832 |
| Analysis Method | | | | | | |
| Refer to Blood Alco | hol Method #1 | | | | | |
| Instrument Informati | nstrument Information Instrument information | | | | | s stored centrally. |
| Refer To Instrument | Method: | ALCOHOL_2 | 30519JG.GCM | 1.gcm | | |
| Reporting of Results | • | | Uncertaint | y of Measuren | nents (UM%): | 5.00% |
| Overall | Mean (g/100cc | :) | Low High | | 5 % of Mean | |
| | | | | | | o Oi Meali |
| | 0.083 | | 0.078 | 0.088 | | 0.005 |
| | 0.083 | Rep | 0.078 oorted Res | | | |

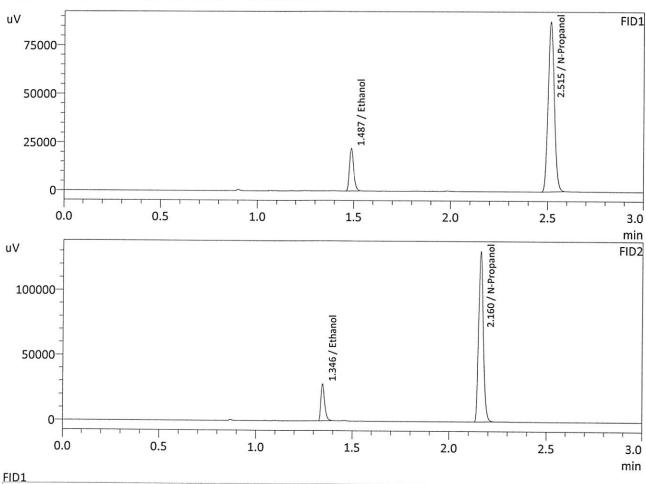
Calibration and control data are stored centrally.

Sample Name Laboratory Injection Date Vial # : QC-2-1 |-| : Meridian 6/1/23

: 5/31/2023 1:54:00 PM

: 25

Method Filename Instrument #GC/HS : Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409



| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.0832 | 34366 | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | | - | g/100cc |
| N-Propanol | 0.0000 | 195443 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|-----------|--------|---------|
| Methanol | 7 | - | g/100cc |
| Ethanol | 0.0828 | 37841 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyl Alcohol | | 8 | g/100cc |
| N-Propanol | 0.0000 | 216958 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |

1-1-B

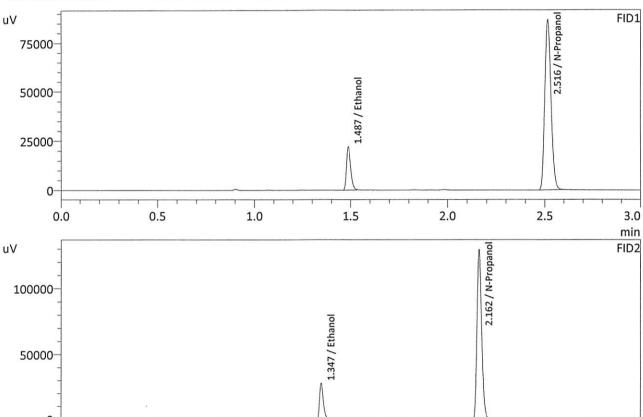
6/1/23 : QC-2-1-B- : Meridian :5/31/2023 2:01:35 PM

Method Filename Instrument #GC/HS

0.0

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409

0.5



| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.0836 | 34289 | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | | | g/100cc |
| N-Propanol | 0.0000 | 194112 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

1.5

2.0

2.5

3.0 min

1.0

| Name | Conc. | Area | Unit |
|-----------------------|----------------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.0835 | 37892 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyl Alcohol | [] | | g/100cc |
| N-Propanol | 0.0000 | 215487 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

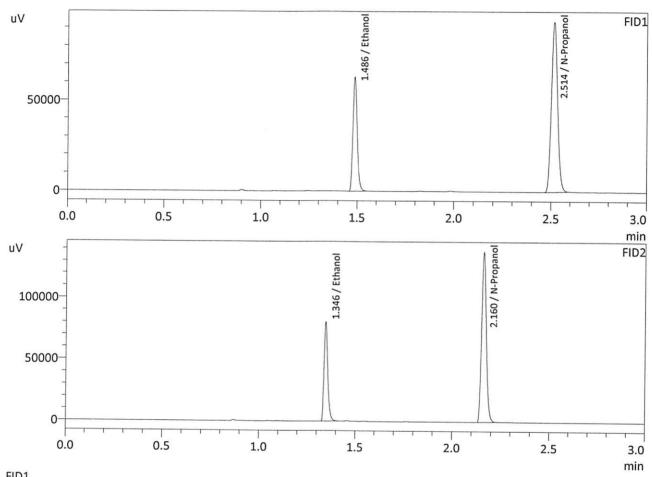
| Laboratory No: | QC-1-2 7 | 2 36 61 | (1/2) Ana | alysis Date(s): | 5/31/2023 4:50 | :03 PM(-06:00) |
|----------------------|--------------|-----------|-------------|-----------------|------------------|---------------------|
| | Column 1 | Column 2 | Column | Mean | Sample A-B | |
| | FID A | FID B | Precision | Value | Difference | Over-all Mean |
| Sample Results | 0.2161 | 0.2159 | 0.0002 | 0.2160 | 0.0017 | 0.0400 |
| (g/100cc) | 0.2179 | 0.2176 | 0.0003 | 0.2177 | 0.0017 | 0.2168 |
| Analysis Method | | | | | | |
| Refer to Blood Alco | hol Method # | 1 | | | | |
| Instrument Informati | on | | | Instrumen | t information is | s stored centrally. |
| Refer To Instrument | Method: | ALCOHOL_2 | 30519JG.GCN | Л.gcm | | |
| Reporting of Results | 5 | | Uncertaint | y of Measurer | ments (UM%): | 5.00% |
| Overall | Mean (g/100c | c) | Low | High | 5 % | % of Mean |
| | 0.216 | | 0.205 | 0.227 | | 0.011 |
| | | Rep | oorted Res | sults | | |
| | | | 0.216 | | | |

Calibration and control data are stored centrally.

Method Filename

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409

Instrument #GC/HS



| Name | Conc. | Area | Unit |
|-----------------------|--------------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.2161 | 97008 | g/100cc |
| Isopropyl Alcohol | 1 <u>2-1</u> | | g/100cc |
| Acetone | | | g/100cc |
| N-Propanol | 0.0000 | 206677 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.2159 | 106664 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyl Alcohol | | 8 | g/100cc |
| N-Propanol | 0.0000 | 228088 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |

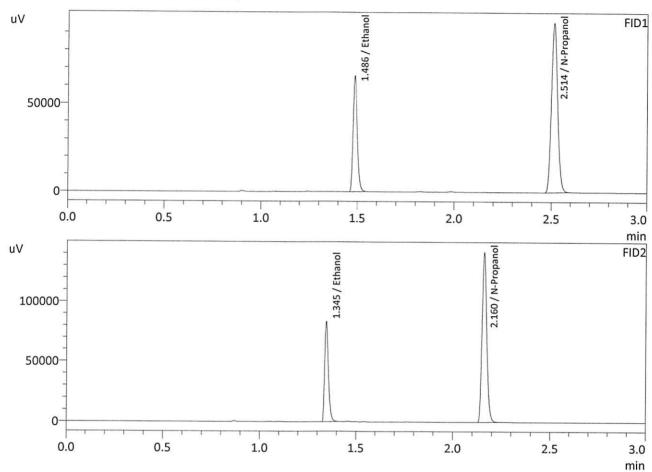
: QC-1-2-B **2-2-**B : Meridian : 5/31/2023 4:59:42 PM 36 6/1123

Sample Name Laboratory Injection Date Vial #

: 48

Method Filename Instrument #GC/HS

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409



| Name | Conc. | Area | Unit |
|-----------------------|----------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.2179 | 101007 | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | <u>-</u> | | g/100cc |
| N-Propanol | 0.0000 | 213459 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.2176 | 111041 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| N-Propanol | 0.0000 | 235569 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: | QC-2-2 1-1 | JG 6/1/2 | 3 An | alysis Date(s): | 5/31/2023 6:26 | 6:37 PM(-06:00) |
|------------------------|---------------|------------|-------------|-----------------|------------------|---------------------|
| | Column 1 | Column 2 | Column | Mean | Sample A-B | |
| | FID A | FID B | Precision | Value | Difference | Over-all Mean |
| Sample Results | 0.0827 | 0.0826 | 0.0001 | 0.0826 | | |
| (g/100cc) | 0.0837 | 0.0835 | 0.0002 | 0.0836 | 0.0010 | 0.0831 |
| Analysis Method | | | | | | |
| Refer to Blood Alco | hol Method #1 | | | | | |
| Instrument Information | on | | | Instrumen | t information is | s stored centrally. |
| Refer To Instrument | Method: | ALCOHOL_2 | 30519JG.GCN | 1.gcm | | |
| Reporting of Results | | | Uncertaint | y of Measuren | nents (UM%): | 5.00% |
| Overall I | Mean (g/100cc | :) | Low | High | 5 % | 6 of Mean |
| | 0.083 | | 0.078 | 0.088 | | 0.005 |
| | | Rep | orted Res | ults | | |
| | 1 | | | | | |

Calibration and control data are stored centrally.

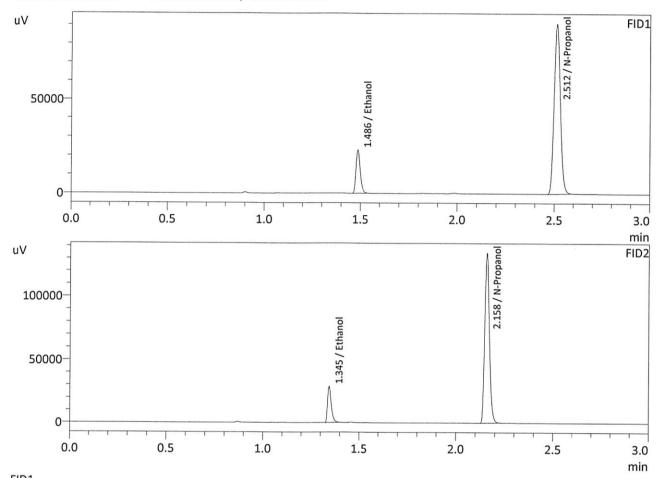
: QC-2-2 1-2 JG : Meridian : 5/31/2023 6:26:37 PM JG 6/1/23

: 59

Method Filename

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409

Instrument #GC/HS



| Name | Conc. | Area | Unit |
|-----------------------|--------|-----------------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.0827 | 35292 | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | | 4 45 | g/100cc |
| N-Propanol | 0.0000 | 202100 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

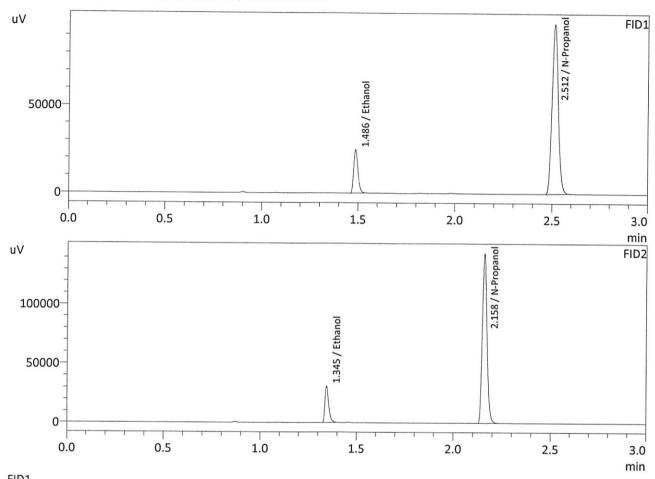
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.0826 | 38829 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| N-Propanol | 0.0000 | 223273 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |

: QC-2-2-B 1-2-B : Meridian 16 6/1/23

: 5/31/2023 6:36:07 PM

: 60

Method Filename Instrument #GC/HS : Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409



| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.0837 | 38179 | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| Acetone | | | g/100cc |
| N-Propanol | 0.0000 | 216018 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

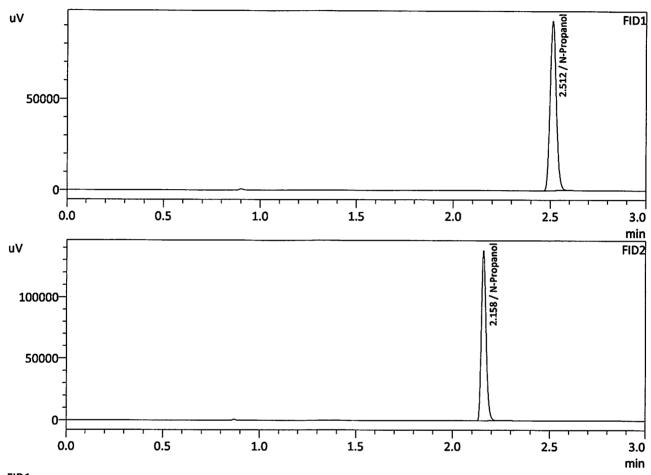
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | | g/100cc |
| Ethanol | 0.0835 | 41991 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| N-Propanol | 0.0000 | 238740 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |

Sample Name Laboratory Injection Date Vial # : INT STD BLK : Meridian : 5/31/2023 6:43:25 PM : 61

Method Filename

: Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409

Instrument #GC/HS



| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | - | g/100cc |
| Ethanol | | | g/100cc |
| Isopropyl Alcohol | | - | g/100cc |
| Acetone | | | g/100cc |
| N-Propanol | 0.0000 | 206763 | g/100cc |
| Fluor. Hydrocarbon(s) | | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | - | g/100cc |
| Ethanol | | - | g/100cc |
| Acetone | •• | - | g/100cc |
| Isopropyl Alcohol | | | g/100cc |
| N-Propanol | 0.0000 | 228935 | g/100cc |
| Flour. Hydrocarbon(s) | | | g/100cc |

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

| 2 ED VOLATILES FN 0604 0:Unknown 1 ALCOH | Method File | N | Level# | Sample Type | Sample Name | Vial# | [| |
|--|--|--------------------|--------|--------------------------|--------------------|-------|--------|-----------------------|
| 2 ED VOLATILES FN 0604 0:Unknown 1 ALCOH | IOL 230519JG.GCM.go | ALCOHOL | | | | 1 | | |
| 1-16 1-16 5 0.80 QA 0.1Unknown 0 ALCOH | IOL 230519JG.GCM.go | ALCOHOL | 1 | 0:Unknown | | | | |
| 1-1-8 5 0.08 QA 0.Unknown 0 ALCOH | IOL 230519JG.GCM.gc | | | | | | 2.1 | |
| Name | IOL 230519JG.GCM.go | | | | | | 4-1 | JL |
| Name | IOL 230519JG.GCM.gc | | 0 | | | | 2-1-8 | |
| S | OL 230519JG.GCM.gc | ALCOHOL | | 0:Unknown | 0.08 QA-B | | | 6/1/23 |
| S | OL 230519JG.GCM.gc | ALCOHOL | 0 | 0:Unknown | M2023-2146-1 | | | |
| 10 | OL 230519JG.GCM.go | | 0 | 0:Unknown | M2023-2146-1-B | | | |
| 11 | OL 230519JG.GCM.gc | ALCOHOL | | 0:Unknown | | | | |
| 12 M2023-2188-1-B O:Unknown O ALCOH 13 M2023-2188-1 O:Unknown O ALCOH 14 M2023-2188-1-B O:Unknown O ALCOH 15 M2023-2189-1 O:Unknown O ALCOH 16 M2023-2189-1 O:Unknown O ALCOH 17 M2023-2190-1 O:Unknown O ALCOH 18 M2023-2190-1-B O:Unknown O ALCOH 19 M2023-2202-1 O:Unknown O ALCOH 20 M2023-2202-1-B O:Unknown O ALCOH 21 M2023-2214-1 O:Unknown O ALCOH 22 M2023-2214-1 O:Unknown O ALCOH 23 M2023-2225-1 O:Unknown O ALCOH 24 M2023-2225-1 O:Unknown O ALCOH 25 QC-2+H O:Unknown O ALCOH 26 QC-2+H O:Unknown O ALCOH 27 M2023-2225-1 O:Unknown O ALCOH 28 M2023-2226-1 O:Unknown O ALCOH 29 M2023-2227-1 O:Unknown O ALCOH 30 M2023-2225-1 O:Unknown O ALCOH 31 M2023-2235-1 O:Unknown O ALCOH 32 M2023-2225-1 O:Unknown O ALCOH 33 M2023-2226-1 O:Unknown O ALCOH 34 M2023-2235-1 O:Unknown O ALCOH 35 M2023-22246-1 O:Unknown O ALCOH 36 M2023-2236-1 O:Unknown O ALCOH 37 M2023-2236-1 O:Unknown O ALCOH 38 M2023-2236-1 O:Unknown O ALCOH 38 M2023-2244-1 O:Unknown O ALCOH 38 M2023-2244-1 O:Unknown O ALCOH 39 M2023-2250-1 O:Unknown O ALCOH 40 M2023-2230-1 O:Unknown O ALCOH 41 M2023-2303-1 O:Unknown O ALCOH 42 M2023-2303-1 O:Unknown O ALCOH 44 M2023-2303-1 O:Unknown O ALCOH 45 M2023-2312-1 O:Unknown O ALCOH 46 M2023-2313-1 O:Unknown O ALCOH 47 QC-1-2 O:Unknown O ALCOH 48 M2023-2313-1 O:Unknown O ALCOH 49 M2023-2313-1 O:Unknown O ALCOH 40 M2023-2313-1 O:Unknown O ALCOH 41 M2023-2313-1 O:Unknown O ALCOH 42 M2023-2313-1 O:Unknown O ALCOH 45 M2023-2315-1 O:Unknown O ALCOH 50 M2023-2315-1 O:Unknown O ALCOH 51 M2023-2315-1 O:Unknown | OL 230519JG.GCM.gc | ALCOHOL | | 0:Unknown | | | | |
| 13 | OL 230519JG.GCM.go | ALCOHOL | 0 | | | | | |
| 14 M2023-2189-1-B O:Unknown O ALCOH | OL 230519JG.GCM.gc | | | | | 12 | | |
| 15 M2023-2189-1 0:Unknown 0 ALCOH | OL 230519JG.GCM.go | | | 0:Unknown | | | | |
| 16 | OL 230519JG.GCM.go | | | | | | | |
| 17 M2023-2190-1 0:Unknown 0 ALCOH | OL 230519JG.GCM.go | | | | | | | |
| 18 | OL 230519JG.GCM.gc | ALCOHOL | | | | | | |
| 19 M2023-2202-1 0:Unknown 0 ALCOH | OL 230519JG.GCM.gc | | | | | | | |
| 1-1 | OL 230519JG.GCM.gc | ALCOHOL | 0 | 0:Unknown | | | | |
| 1-1 21 M2023-2202-1-B 0:Unknown 0 ALCOH | OL 230519JG.GCM.go | ALCOHOL | | | M2023-2202-1 | 19 | | |
| 1-1 1-1 23 M2023-2215-1 D:Unknown O ALCOH | OL 230519JG.GCM.gc | ALCOHOL | | | | | | |
| 1-1 | OL 230519JG.GCM.gc | | | | | 21 | | |
| 1-1 | OL 230519JG.GCM.gc | ALCOHOL | | 0:Unknown | | | | |
| 1-1 | OL 230519JG.GCM.gc | | | | | | | |
| 1-1-8 | OL 230519JG.GCM.gc | | | | | | W0.0 | |
| 10 10 10 10 10 10 10 10 | OL 230519JG.GCM.gc | | | | QC-2 -1 | | 1-1 | V |
| M2023-2226-1-B | OL 230519JG.GCM.gc | | | | | | 1-1-6 | 70 |
| 28 M2023-2226-1-B 0:Unknown 0 ALCOH 29 M2023-2227-1 0:Unknown 0 ALCOH 30 M2023-2227-1-B 0:Unknown 0 ALCOH 31 M2023-2235-1 0:Unknown 0 ALCOH 32 M2023-2235-1-B 0:Unknown 0 ALCOH 33 M2023-2236-1 0:Unknown 0 ALCOH 34 M2023-2236-1-B 0:Unknown 0 ALCOH 35 M2023-2246-1 0:Unknown 0 ALCOH 36 M2023-2246-1 0:Unknown 0 ALCOH 37 M2023-2246-1 0:Unknown 0 ALCOH 38 M2023-2247-1 0:Unknown 0 ALCOH 39 M2023-2247-1-B 0:Unknown 0 ALCOH 40 M2023-2250-1 0:Unknown 0 ALCOH 41 M2023-2250-1 0:Unknown 0 ALCOH 42 M2023-2250-1 0:Unknown 0 ALCOH 43 M2023-2302-1 0:Unknown 0 ALCOH 44 M2023-2302-1 0:Unknown 0 ALCOH 45 M2023-2312-1 0:Unknown 0 ALCOH 46 M2023-2312-1 0:Unknown 0 ALCOH 47 QC-1-2-B 0:Unknown 0 ALCOH 48 QC-1-2-B 0:Unknown 0 ALCOH 49 M2023-2312-1 0:Unknown 0 ALCOH 50 M2023-2313-1-B 0:Unknown 0 ALCOH 51 M2023-2314-1-B 0:Unknown 0 ALCOH 52 M2023-2314-1-B 0:Unknown 0 ALCOH 53 M2023-2315-1 0:Unknown 0 ALCOH 54 M2023-2315-1 0:Unknown 0 ALCOH 55 M2023-2316-1-B 0:Unknown 0 ALCOH 56 M2023-2316-1-B 0:Unknown 0 ALCOH 57 M2023-2316-1-B 0:Unknown 0 ALCOH 58 M2023-2316-1-B 0:Unknown 0 ALCOH 59 M2023-2316-1-B 0:Unknown 0 ALCOH 50 M2023-2316-1-B 0:Unknown 0 ALCOH 51 M2023-2316-1-B 0:Unknown 0 ALCOH 52 M2023-2316-1-B 0:Unknown 0 ALCOH 53 M2023-2316-1-B 0:Unknown 0 ALCOH 54 M2023-2316-1-B 0:Unknown 0 ALCOH 55 M2023-2316-1-B 0:Unknown 0 ALCOH 56 M2023-2316-1-B 0:Unknown 0 ALCOH 57 M2023-2316-1-B 0:Unknown 0 ALCOH 58 M2023-2316-1-B 0:Unknown 0 ALCOH 59 M2023-2316-1-B 0:Unknown 0 ALCOH 50 M2023-2316-1-B 0: | OL 230519JG.GCM.gc | | 0 | | | | 1-1-15 | 6/1/23 |
| 30 M2023-2227-1-B 0:Unknown 0 ALCOHOMIC | OL 230519JG.GCM.gc | | | | | | _ | STATE OF THE PARTY OF |
| 31 M2023-2235-1 0:Unknown 0 ALCOH | OL 230519JG.GCM.gc | | | 0:Unknown | | | | |
| 32 M2023-2235-1-B 0:Unknown 0 ALCOHOMIC | OL 230519JG.GCM.gc | | | | | | | |
| 33 M2023-2236-1 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | 31 | | |
| 34 M2023-2236-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | | _ | |
| 35 M2023-2246-1 0:Unknown 0 ALCOHO 36 M2023-2246-1-B 0:Unknown 0 ALCOHO 37 M2023-2247-1 0:Unknown 0 ALCOHO 38 M2023-2247-1-B 0:Unknown 0 ALCOHO 39 M2023-2250-1 0:Unknown 0 ALCOHO 40 M2023-2250-1-B 0:Unknown 0 ALCOHO 41 M2023-2302-1 0:Unknown 0 ALCOHO 42 M2023-2302-1-B 0:Unknown 0 ALCOHO 43 M2023-2303-1-B 0:Unknown 0 ALCOHO 44 M2023-2303-1-B 0:Unknown 0 ALCOHO 45 M2023-2312-1-B 0:Unknown 0 ALCOHO 46 M2023-2312-1-B 0:Unknown 0 ALCOHO 47 QC-1-2-B 0:Unknown 0 ALCOHO 48 QC-1-2-B 0:Unknown 0 ALCOHO 49 M2023-2313-1 0:Unknown 0 ALCOHO 50 M2023-2313-1-B 0:Unknown 0 ALCOHO 51 M2023-2313-1-B 0:Unknown 0 ALCOHO 52 M2023-2314-1-B 0:Unknown 0 ALCOHO 53 M2023-2314-1-B 0:Unknown 0 ALCOHO 54 M2023-2315-1-B 0:Unknown 0 ALCOHO 55 M2023-2315-1-B 0:Unknown 0 ALCOHO 56 M2023-2315-1-B 0:Unknown 0 ALCOHO 57 M2023-2315-1-B 0:Unknown 0 ALCOHO 58 M2023-2315-1-B 0:Unknown 0 ALCOHO 59 M2023-2315-1-B 0:Unknown 0 ALCOHO 50 M2023-2315-1-B 0:Unknown 0 ALCOHO 51 M2023-2315-1-B 0:Unknown 0 ALCOHO 52 M2023-2315-1-B 0:Unknown 0 ALCOHO 53 M2023-2315-1-B 0:Unknown 0 ALCOHO 54 M2023-2315-1-B 0:Unknown 0 ALCOHO 55 M2023-2316-1-B 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO 57 M2023-2316-1-B 0:Unknown 0 ALCOHO 58 M2023-2316-1-B 0:Unknown 0 ALCOHO 59 M2023-2316-1-B 0:Unknown 0 ALCOHO 50 M2023-2316-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | | | |
| 36 M2023-2246-1-B 0:Unknown 0 ALCOHO 37 M2023-2247-1 0:Unknown 0 ALCOHO 38 M2023-2247-1-B 0:Unknown 0 ALCOHO 39 M2023-2250-1 0:Unknown 0 ALCOHO 40 M2023-2250-1-B 0:Unknown 0 ALCOHO 41 M2023-2302-1 0:Unknown 0 ALCOHO 42 M2023-2302-1-B 0:Unknown 0 ALCOHO 43 M2023-2303-1 0:Unknown 0 ALCOHO 44 M2023-2303-1-B 0:Unknown 0 ALCOHO 45 M2023-2312-1 0:Unknown 0 ALCOHO 46 M2023-2312-1-B 0:Unknown 0 ALCOHO 47 QC-1-2-B 0:Unknown 0 ALCOHO 48 QC-1-2-B 0:Unknown 0 ALCOHO 49 M2023-2313-1 0:Unknown 0 ALCOHO 49 M2023-2313-1 0:Unknown 0 ALCOHO 50 M2023-2313-1-B 0:Unknown 0 ALCOHO 51 M2023-2314-1 0:Unknown 0 ALCOHO 52 M2023-2314-1 0:Unknown 0 ALCOHO 53 M2023-2315-1 0:Unknown 0 ALCOHO 54 M2023-2315-1 0:Unknown 0 ALCOHO 55 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO 57 M2023-2316-1 0:Unknown 0 ALCOHO 58 M2023-2316-1 0:Unknown 0 ALCOHO 59 M2023-2316-1 0:Unknown 0 ALCOHO 59 M2023-2316-1 0:Unknown 0 ALCOHO 50 M2023-2316-1 0:Unknown 0 ALCOHO 51 M2023-2316-1 0:Unknown 0 ALCOHO 52 M2023-2316-1 0:Unknown 0 ALCOHO 53 M2023-2316-1 0:Unknown 0 ALCOHO 54 M2023-2316-1 0:Unknown 0 ALCOHO 55 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | | - | |
| 37 M2023-2247-1 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | | - | |
| 38 M2023-2247-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | ALCOHOL | | | | | _ | |
| 39 M2023-2250-1 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | | - | |
| 40 M2023-2250-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | | - | |
| 1 | OL 230519JG.GCM.gc | | | | | | - | |
| 42 M2023-2302-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | ALCOHOL | 0 | | | | _ | |
| 10 | OL 230519JG.GCM.gc | | | | | | - | |
| 10 | OL 230519JG.GCM.gc | ALCOHOL | 0 | | | | - | |
| 3-2 45 M2023-2312-1 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | | - | |
| 3-2 46 M2023-2312-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | | - | |
| 16 2-2-B 47 QC-1-2 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | ALCOHOL | 0 | | | | - | |
| 16 2-2-6 48 QC-1-2-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | | 7.2 | |
| 49 M2023-2313-1 0:Unknown 0 ALCOHO 50 M2023-2313-1-B 0:Unknown 0 ALCOHO 51 M2023-2314-1 0:Unknown 0 ALCOHO 52 M2023-2314-1-B 0:Unknown 0 ALCOHO 53 M2023-2315-1 0:Unknown 0 ALCOHO 54 M2023-2315-1-B 0:Unknown 0 ALCOHO 55 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO 57 M2023-2316-1-B 0:Unknown 0 ALCOHO 58 M2023-2316-1-B 0:Unknown 0 ALCOHO 59 M2023-2316-1-B 0:Unknown 0 ALCOHO 50 M2023-2316-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | ALCOHOL | | | | | 100 | 16 |
| 50 M2023-2313-1-B 0:Unknown 0 ALCOHO 51 M2023-2314-1 0:Unknown 0 ALCOHO 52 M2023-2314-1-B 0:Unknown 0 ALCOHO 53 M2023-2315-1 0:Unknown 0 ALCOHO 54 M2023-2315-1-B 0:Unknown 0 ALCOHO 55 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO 57 M2023-2316-1-B 0:Unknown 0 ALCOHO 58 M2023-2316-1-B 0:Unknown 0 ALCOHO 59 M2023-2316-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | 0:Ulkilowii | M2023 2213 1 | | 2-2-B | |
| 51 M2023-2314-1 0:Unknown 0 ALCOHO 52 M2023-2314-1-B 0:Unknown 0 ALCOHO 53 M2023-2315-1 0:Unknown 0 ALCOHO 54 M2023-2315-1-B 0:Unknown 0 ALCOHO 55 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | ALCOHOL | 0 | | | | - | 6/1/23 |
| 52 M2023-2314-1-B 0:Unknown 0 ALCOHO 53 M2023-2315-1 0:Unknown 0 ALCOHO 54 M2023-2315-1-B 0:Unknown 0 ALCOHO 55 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | ALCOHOL | 0 | | | 51 | | |
| 53 M2023-2315-1 0:Unknown 0 ALCOHO 54 M2023-2315-1-B 0:Unknown 0 ALCOHO 55 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | | | 52 | - | |
| 54 M2023-2315-1-B 0:Unknown 0 ALCOHO 55 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc OL 230519JG.GCM.gc | ALCOHOL | | | | | | |
| 55 M2023-2316-1 0:Unknown 0 ALCOHO 56 M2023-2316-1-B 0:Unknown 0 ALCOHO | | | | | | 54 | - | |
| 56 M2023-2316-1-B 0:Unknown 0 ALCOHO | OL 230519JG.GCM.gc | | | 0.Ulkilowii 0:Unknown | | 55 | - | |
| | OL 230519JG.GCM.gc | ALCOHOL ALCOHOL | | | | | | |
| $ \rangle / \langle \rangle / \langle \rangle / \langle \rangle $ | OL 230519JG.GCM.gc | | | 0:Unknown | M2023-2310-1-B | 57 | - | |
| 58 M2023-2317-1-B 0:Unknown 0 ALCOH | OL 230519JG.GCM.gc OL 230519JG.GCM.gc | | | | | | | 5 |
| | OL 230519JG.GCM.gc | | | | | | -2 | - |
| 36 6/1/23 | JL 23031910.GCM.gc | ILCOHOL | 0 | J. OIIMIOWII | ¥~ 2 2 | | | |

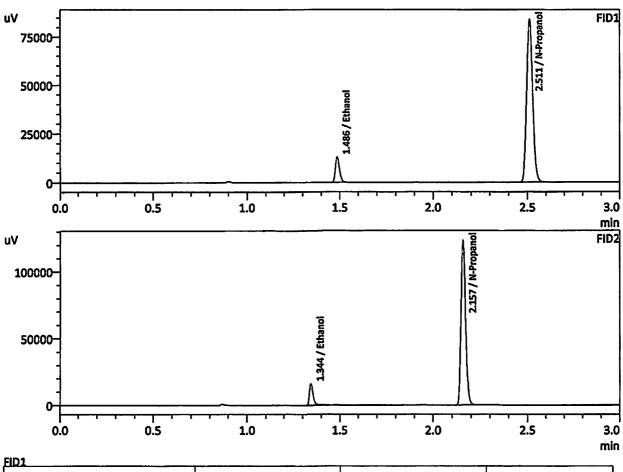
1-2-B Jc 6/1/23

| Vial# | Sample Name | Sample Type | Level# | Method File |
|-------|-----------------------|-------------|--------|--------------------------|
| 60 | QC- 2-2-B- | 0:Unknown | 0 | ALCOHOL 230519JG.GCM.gcm |
| 61 | INT STD BLK | 0:Unknown | | ALCOHOL 230519JG.GCM.gcm |

Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS

: 0.050 : Meridian : 5/19/2023 11:47:40 AM

: 1 : Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409



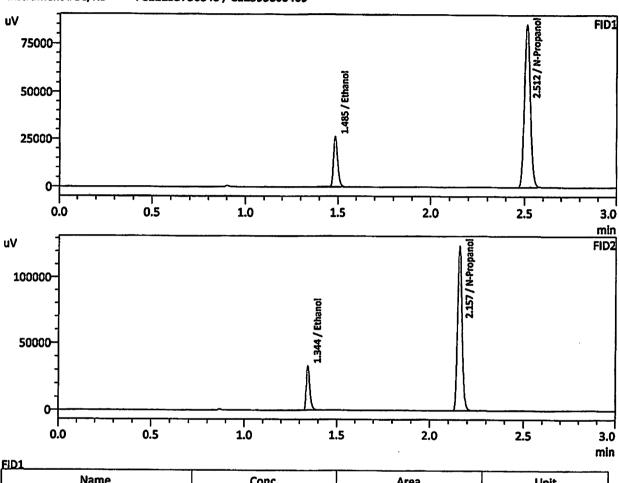
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | - | g/100cc |
| Ethanol | 0.0518 | 19969 | g/100cc |
| Isopropyl Alcohol | | - | g/100cc |
| Acetone | | _ | g/100cc |
| N-Propanol | 0.0000 | 187577 | g/100cc |
| Fluor. Hydrocarbon(s) | - | - | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | - | - | g/100cc |
| Ethanol | 0.0517 | 21630 | g/100cc |
| Acetone | •• | | g/100cc |
| Isopropyl Alcohol | | *** | g/100cc |
| N-Propanol | 0.0000 | 204294 | g/100cc |
| Flour. Hydrocarbon(s) | - | - | g/100cc |

Sample Name Laboratory Injection Date Vial # : 0.100 : Meridian

:5/19/2023 11:55:00 AM

:2 : Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409 Method Filename Instrument #GC/HS

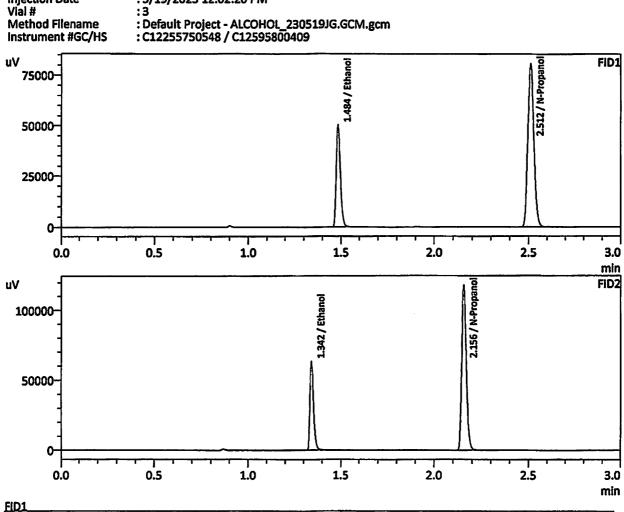


| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | - | | g/100cc |
| Ethanol | 0.1005 | 40594 | g/100cc |
| Isopropyl Alcohol | - | - | g/100cc |
| Acetone | - | - | g/100cc |
| N-Propanol | 0.0000 | 189738 | g/100cc |
| Fluor. Hydrocarbon(s) | | - | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | - | | g/100cc |
| Ethanol | 0.1007 | 44142 | g/100cc |
| Acetone | - | •• | g/100cc |
| Isopropyl Alcohol | - | - | g/100cc |
| N-Propanol | 0.0000 | 206550 | g/100cc |
| Flour. Hydrocarbon(s) | _ | | g/100cc |

Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS

: 0.200 : Meridian : 5/19/2023 12:02:20 PM

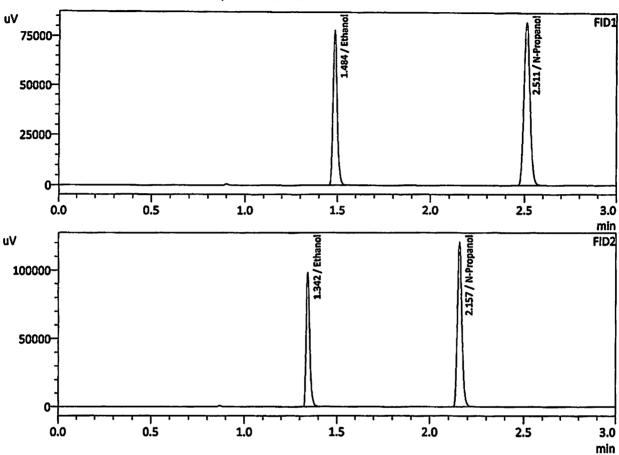


| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | - | - | g/100cc |
| Ethanol | 0.1979 | 76978 | g/100cc |
| Isopropyl Alcohol | - | - | g/100cc |
| Acetone | - | - | g/100cc |
| N-Propanol | 0.0000 | 179395 | g/100cc |
| Fluor. Hydrocarbon(s) | •• | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | | - | g/100cc |
| Ethanol | 0.1978 | 83487 | g/100cc |
| Acetone | - | _ | g/100cc |
| Isopropyl Alcohol | | - | g/100cc |
| N-Propanol | 0.0000 | 195166 | g/100cc |
| Flour. Hydrocarbon(s) | - | - | g/100cc |

Sample Name Laboratory Injection Date Vial # : 0.300 : Meridian : 5/19/2023 12:11:15 PM

Method Filename Instrument #GC/HS : Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409

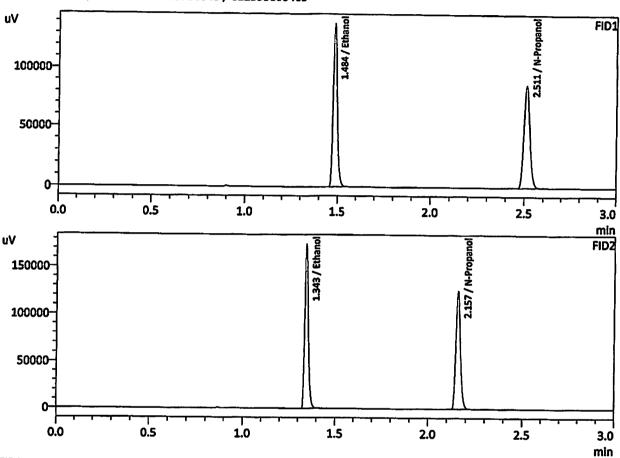


| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | _ | - | g/100cc |
| Ethanol | 0.2977 | 119075 | g/100cc |
| Isopropyl Alcohol | - | - | g/100cc |
| Acetone | - | | g/100cc |
| N-Propanol | 0.0000 | 183334 | g/100cc |
| Fluor. Hydrocarbon(s) | •• | - | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | - | - | g/100cc |
| Ethanol | 0.2977 | 129200 | g/100cc |
| Acetone | | | g/100cc |
| Isopropyi Alcohol | - | | g/100cc |
| N-Propanol | 0.0000 | 199378 | g/100cc |
| Flour. Hydrocarbon(s) | _ | _ | g/100cc |

: 0.500 : Meridian : 5/19/2023 12:19:44 PM

:5 : Default Project - ALCOHOL_230519JG.GCM.gcm : C12255750548 / C12595800409 Method Filename Instrument #GC/HS

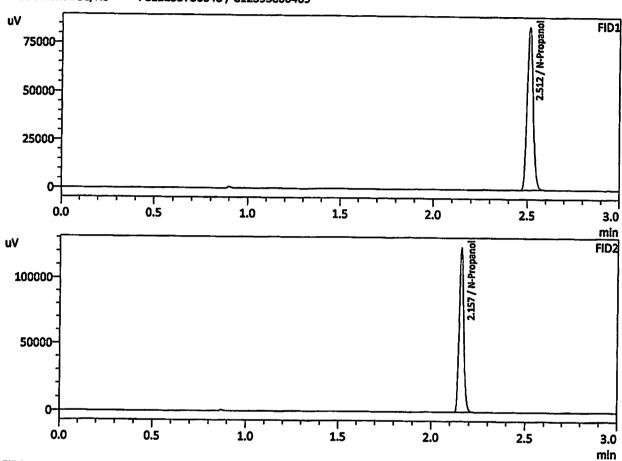


| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | - | - | g/100cc |
| Ethanol | 0.5018 | 210563 | g/100cc |
| isopropyi Alcohol | - | _ | g/100cc |
| Acetone | - | - | g/100cc |
| N-Propanol | 0.0000 | 191337 | g/100cc |
| Fluor. Hydrocarbon(s) | - | - | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | - | | g/100cc |
| Ethanol | 0.5018 | 228540 | g/100cc |
| Acetone | •• | - | g/100cc |
| Isopropyi Alcohol | - | - | g/100cc |
| N-Propanol | 0.0000 | 208147 | g/100cc |
| Flour. Hydrocarbon(s) | | - | g/100cc |

Sample Name Laboratory Injection Date Vial # : INT STD BLK : Meridian : 5/19/2023 12:27:05 PM

Method Filename Instrument #GC/HS : Default Project - ALCOHOL_230426NB.GCM.gcm : C12255750548 / C12595800409



| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | •• | | g/100cc |
| Ethanol | •• | - | g/100cc |
| Isopropyl Alcohol | - | | g/100cc |
| Acetone | | _ | g/100cc |
| N-Propanol | 0.0000 | 188215 | g/100cc |
| Fluor. Hydrocarbon(s) | - | | g/100cc |

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | - | | g/100cc |
| Ethanol | - | | g/100cc |
| Acetone | •• | | g/100cc |
| Isopropyl Alcohol | - | _ | g/100cc |
| N-Propanol | 0.0000 | 205123 | g/100cc |
| Flour. Hydrocarbon(s) | _ | - | g/100cc |

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

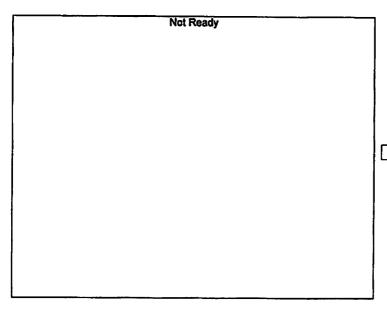
| Vial# | Sample Name | Sample Type | Level# | Method File |
|-------|-------------|----------------|--------|---------------------------|
| 1 | 0.050 | 1:Standard:(I) | 1 | ALCOHOL 230426NB.GCM.gcn |
| 2 | 0.100 | 1:Standard | 2 | ALCOHOL 230426NB.GCM.gcm |
| 3 | 0.200 | 1:Standard | | ALCOHOL 230426NB.GCM.gcm |
| 4 | 0.300 | 1:Standard | 4 | ALCOHOL 230426NB.GCM.gcm |
| 5 | 0.500 | 1:Standard | 5 | ALCOHOL 230426NB.GCM.gcm |
| 6 | INT STD BLK | 0:Unknown | 0 | ALCOHOL, 230426NB,GCM,gcm |

Calibration Table

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

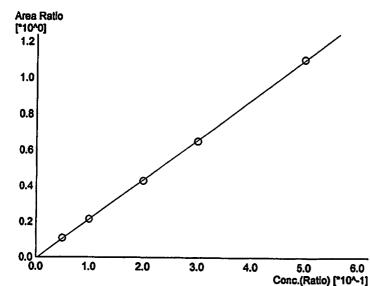
:Default Project - ALCOHOL_230519JG.GCM.gcm :5/19/2023 12:45:58 PM :5/19/2023 12:55:34 PM

<<Method File>> Method File Date Created Date Modified



Name : Methanol
Detector Name: FiD1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

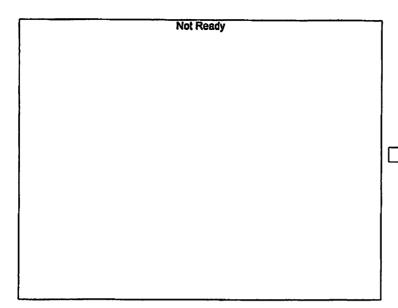
| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
| | | | |



Name: Ethanol Detector Name: FID1 Function : f(x)=2.20896*x-0.00816344 R^2 value= 0.9998687 FitType: Linear ZeroThrough: Not Through

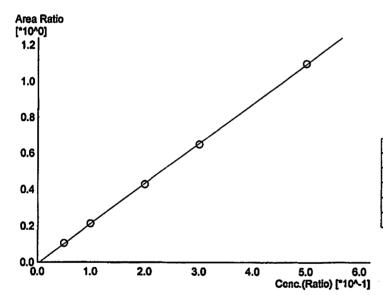
| # | Conc. | Area | Std. Conc. |
|---|-------|--------|------------|
| 1 | 0.050 | 19969 | 0.0518 |
| 2 | 0.100 | 40594 | 0.1005 |
| 3 | 0.200 | 76978 | 0.1979 |
| 4 | 0.300 | 119075 | 0.2977 |
| 5 | 0.500 | 210563 | 0.5018 |

| Not Ready | Name : Isopropyl Alcohol Detector Name: FID1 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through |
|-----------|---|
| | # Conc. Area Std. Conc. |
| | |
| Not Ready | Name : Acetone Detector Name: FID1 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through |
| | # Conc. Area Std. Conc. |
| | |
| Not Ready | Name : Fluor. Hydrocarbon(s) Detector Name: FID1 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through |
| | # Conc. Area Std. Conc. |



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

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



Name : Ethanol
Detector Name : FID2
Function : f(x)=2.20422*x-0.00830110
R^2 value= 0.9998669
FitType: Linear
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|-------|--------|------------|
| 1 | 0.050 | 21630 | 0.0517 |
| 2 | 0.100 | 44142 | 0.1007 |
| 3 | 0.200 | 83487 | 0.1978 |
| 4 | 0.300 | 129200 | 0.2977 |
| 5 | 0.500 | 228540 | 0.5018 |

| | Not Ready | |
|---|-----------|--|
| | | |
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Name : Acetone
Detector Name: FID2
Function : f(x)=0^x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

| 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. |
| | |
| Not Ready | |
| Notitionally | Name : Flour. Hydrocarbon(s) |
| Not Neady | Detector Name: FID2 |
| Not ready | Detector Name: FID2 Function: f(x)=0*x+0 R^2 value= 0 |
| No. Neady | Detector Name: FID2 Function: f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through |
| Not ready | Detector Name: FID2 Function: f(x)=0*x+0 R^2 value= 0 |
| | Detector Name: FID2 Function: f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through |
| | Detector Name: FID2 Function: f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through |

QC level 1 and 2 labels were swapped. I checked the vials and all were in the correct place. I have corrected the data sheets to show the correct label and level.

John Garner

6/1/23