Worklist: 4960

REVIEWED
By RCutler at 3:15 pm, May 10, 2021
BLALC Volatiles QA_QC Data Spreadsheet-v5.xIs
Quantitative Analysis for Ethanol \& Qualitative Analysis for Other Volatiles


[^0]| Sample Name | $:$ INT STD BLK 1 |
| :--- | :--- |
| Vial \# | $: 1$ |
| Data Filename | : INT STD BLK 1_582021_001.gcd |
| Method Filename | : ALCOHOL.gcm |
| Batch Filename | $: 05-08-21$ ts post.gcb |
| Date Acquired | $: 5 / 8 / 2021$ 8:07:51 AM |
| Date Processed | $: 5 / 10 / 20217: 50: 57 \mathrm{AM}$ |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 148022 | 42328 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 | Name | Conc. | Unit | Area |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | Height |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 155818 | 59138 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | : MULTI-COMP MIX |
| :--- | :--- |
| Vial \# | $: 2$ |
| Data Filename | $:$ MULTI-COMP MIX_582021_002.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 05-08-21$ ts_post.gcb |
| Date Acquired | $: 5 / 8 / 20218.16: 31$ AM |
| Date Processed | $: 5 / 10 / 20217: 50: 58$ AM |



| FID1 |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Name | Conc. | Unit | Area | Height |
| METHANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 11483 | 5621 |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0713 | $\mathrm{~g} / 100 \mathrm{cc}$ | 22522 | 9624 |
| ISOPROPYL ALCOHOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 43853 | 15777 |
| ACETONE | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 43275 | 15025 |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 158549 | 45511 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| THE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 2 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | g/100cc | -- | -- |
| METHANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 11464 | 6014 |
| ETHANOL | 0.0715 | $\mathrm{~g} / 100 \mathrm{cc}$ | 22550 | 11349 |
| ACETONE | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 45910 | 22912 |
| ISOPROPYL ALCOHOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 45929 | 21666 |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 167304 | 64370 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| FE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $:$ INT STD BLK 2 |
| :--- | :--- |
| Vial \# | $: 3$ |
| Data Filename | $:$ INT STD BLK 2_582021_003.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 05-08-21$ ts_post.gcb |
| Date Acquired | $: 5 / 8 / 20218: 25: 22$ AM |
| Date Processed | $: 5 / 10 / 20217: 50: 59$ AM |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 149459 | 42720 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 157334 | 59647 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |

## VOLATILES DETERMINATION CASEFILE WORKSHEET

## Laboratory No.: QC 1-1

Analysis Dates): 05/08/2021


Calibration and control data are stored centrally.

Revision: 3
Issue Date: 12/28/2020
Sample Name
Vial \#
Data Filename
Method Filename
Batch Filename
Date Acquired
Date Processed
: QC-1-1-A
: 4
: QC-1-1-A_582021_004.gcd
: ALCOHOL.gcm
: 05-08-21 ts_post.gcb
: 5/8/2021 8:34:13 AM
$\begin{array}{lll}\text { Date Acquired } & : 5 / 8 / 2021817: 51: 01 ~ A M \\ \text { Date Processed } & : 5 / 10 / 2021 \text { 1 }\end{array}$


| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0754 | $\mathrm{~g} / 100 \mathrm{cc}$ | 22912 | 9698 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 152198 | 43381 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 | Name | Conc. | Unit | Area |
| :--- | :---: | :---: | :---: | :---: |
| - | Height |  |  |  |
| ACETALDEHYDE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0756 | $\mathrm{~g} / 100 \mathrm{cc}$ | 22948 | 11445 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 159848 | 60964 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |

Sample Name
Vial \#
Data Filename Method Filename Batch Filename Date Acquired Date Processed

QC-1-1-B
: 5
: QC-1-1-B_582021_005.gcd
: ALCOHOL.gcm
: 05-08-21 ts_post.gcb
: 5/8/2021 8:42:54 AM
: 5/10/2021 7:51:02 AM


| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0756 | $\mathrm{~g} / 100 \mathrm{cc}$ | 23246 | 9838 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 153906 | 43916 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| THE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
|  | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | 0.0757 | $\mathrm{~g} / 100 \mathrm{cc}$ | 23253 | 11594 |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 161719 | 60977 |
| N-PROPANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE |  |  |  |  |

## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 QA Analysis Date(s): 05/08/2021

|  | Column 1 FID A | $\begin{gathered} \text { Column } 2 \\ \text { FID B } \end{gathered}$ | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sample Results | 0.0808 | 0.0807 | 0.0001 | 0.0807 |  |  |
| (g/100cc) | 0.0809 | 0.0808 | 0.0001 | 0.0808 | 0.0001 | 0.08 |
| Analysis Method |  |  |  |  |  |  |
| Refer to Blood Alcohol Method \#1 |  |  |  |  |  |  |
| Instrument Information Instrument information is stored centrally. |  |  |  |  |  |  |
| Refer to Instrument Method: Alcohol.m/gcm, Volatiles.m/.gcm |  |  |  |  |  |  |
| Reporting of Results Uncertainty of Measurement (UM\%): 5.00\% |  |  |  |  |  |  |
| Overall Mean (g/100cc) |  |  | Low | High | 5\% | Mean |
| 0.080 |  |  | 0.076 | 0.084 | 0.004 |  |
| Reported Result |  |  |  |  |  |  |
|  |  | 0.080 |  |  |  |  |

Calibration and control data are stored centrally.

| Sample Name | $: 0.08$ QA - A |
| :--- | :--- |
| Vial \# | $: 6$ |
| Data Filename | $: 0.08$ QA - A_582021_006.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 05-08-21$ ts_post.gcb |
| Date Acquired | $: 5 / 8 / 20218: 51: 40 \mathrm{AM}$ |
| Date Processed | $: 5 / 10 / 2021$ 7:51:03 AM |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0808 | $\mathrm{~g} / 100 \mathrm{cc}$ | 24146 | 10238 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 149035 | 42491 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0807 | $\mathrm{~g} / 100 \mathrm{cc}$ | 24174 | 12090 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 156573 | 59285 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $: 0.08$ QA - B |
| :--- | :--- |
| Vial \# | $: 7$ |
| Data Filename | $: 0.08$ QA - B_582021_007.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 05-08-21$ ts_post.gcb |
| Date Acquired | $: 5 / 8 / 2021$ 9:00:49 AM |
| Date Processed | $: 5 / 10 / 2021$ 7:51:04 AM |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |  |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | 0.0809 | $\mathrm{~g} / 100 \mathrm{cc}$ | 24214 | 10229 |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | 0.000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 149199 | 42685 |
| N-PROPANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| THE |  |  |  |  |


| FID2 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0808 | $\mathrm{~g} / 100 \mathrm{cc}$ | 24199 | 12076 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 156689 | 59592 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| THE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |

## VOLATILES DETERMINATION CASEFILE WORKSHEET

## Laboratory No.:QC 2-1

Analysis Date(s): 05/08/2021

|  | Column 1 <br> FID A | Column 2 <br> FID B | Column Precision | Mean Value | Sample A-B <br> Difference | Over-all Mean |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sample Results | 0.2083 | 0.2077 | 0.0006 | 0.2080 |  | 0.2086 |
| $(\mathrm{~g} / 100 \mathrm{cc})$ | 0.2101 | 0.2083 | 0.0018 | 0.2092 | 0.0 |  |

Analysis Method

| Refer to Blood Alcohol Method \#1 |
| :--- |

## Instrument Information

Instrument information is stored centrally.


Calibration and control data are stored centrally.

Revision: 3
Issue Date: 12/28/2020

Sample Name Vial \# Data Filename Method Filename Batch Filename Date Acquired Date Processed
: QC -2-1-A
$: 26$
: QC-2-1-A_582021_026.gcd
: ALCOHOL.gcm
: 05-08-21 ts_post.gcb
: 5/8/2021 11:48:33 AM
: 5/10/2021 7:51:25 AM


| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.2083 | $\mathrm{~g} / 100 \mathrm{cc}$ | 68752 | 29438 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 159616 | 45738 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| THE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
|  | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | 0.2077 | $\mathrm{~g} / 100 \mathrm{cc}$ | 70882 | 35710 |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 167130 | 63619 |
| N-PROPANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE |  |  |  |  |


| Sample Name | $:$ QC-2-1-B |
| :--- | :--- |
| Vial \# | $: 27$ |
| Data Filename | $:$ QC-2-1-B_582021_027.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 05-08-21$ ts post.gcb |
| Date Acquired | $: 5 / 8 / 202111: 57: 27$ AM |
| Date Processed | $: 5 / 10 / 20217: 51: 26$ AM |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.2101 | $\mathrm{~g} / 100 \mathrm{cc}$ | 68048 | 28955 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 156669 | 44693 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| THE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.2083 | $\mathrm{~g} / 100 \mathrm{cc}$ | 69711 | 34619 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 163918 | 62270 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |

Laboratory No.:QC 1-2
Analysis Date(s): 05/08/2021


Calibration and control data are stored centrally.

Sample Name
Vial \#
Data Filename Method Filename Batch Filename Date Acquired Date Processed
: QC1-2-A
: 36
: QC1-2-A_582021_036.gcd
: ALCOHOL.gcm
: 05-08-21 ts_post.gcb
: 5/8/2021 1:16:42 PM
: 5/10/2021 7:51:36 AM


| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0774 | $\mathrm{~g} / 100 \mathrm{cc}$ | 25062 | 10619 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 161918 | 46303 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 |  | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | Conc. | Unit | -- |  |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | 12487 |
| ACETONE | -0777 | $\mathrm{~g} / 100 \mathrm{cc}$ | 25118 | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | -- | $\mathrm{g} / 100 \mathrm{cc}$ |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $:$ QC1-2-B |
| :--- | :--- |
| Vial \# | $: 37$ |
| Data Filename | $:$ QC1-2-B_582021_037.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 05-08-21$ ts_post.gcb |
| Date Acquired | $: 5 / 8 / 2021$ 1:25:46 PM |
| Date Processed | $: 5 / 10 / 20217: 51: 37$ AM |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0781 | $\mathrm{~g} / 100 \mathrm{cc}$ | 26605 | 11260 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 170133 | 48448 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0783 | $\mathrm{~g} / 100 \mathrm{cc}$ | 26619 | 13291 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 178280 | 67624 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $:$ INT STD BLK 3 |
| :--- | :--- |
| Vial \# | $: 38$ |
| Data Filename | $:$ INT STD BLK 3_582021_038.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 05-08-21$ ts_post.gcb |
| Date Acquired | $: 5 / 8 / 202111: 34: 13 \mathrm{PM}$ |
| Date Processed | $: 5 / 10 / 20217: 51: 38 \mathrm{AM}$ |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 160440 | 45968 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TEE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 | Name | Conc. | Unit | Area |
| :--- | :---: | :---: | :---: | :---: |
| Height |  |  |  |  |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 168668 | 63898 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |

# Region 5 Pocatello Blood Alcohol Analysis Batch Table 

Shimadzu Nexis GC-2030 Serial Number: C12255850662
Shimadzu HS-20 Serial Number: C12595700014
LabSolutions Version 5.98
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| Vial\# | Sample Name | Sample Type | Method File | Data File | Level\# |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | INT STD BLK 1 | 0:Unknown | ALCOHOL.gcm | INT STD BLK 1_582021_001.gcd | 0 |
| 2 | MULTI-COMP MIX | 0:Unknown | ALCOHOL.gcm | MULTI-COMP MIX_582021_002.gcd | 1 |
| 3 | INT STD BLK 2 | 0:Unknown | ALCOHOL.gcm | INT STD BLK 2_582021_003.gcd | 0 |
| 4 | QC-1-1-A | 0:Unknown | ALCOHOL.gcm | QC-1-1-A_582021_004.gcd | 0 |
| 5 | QC-1-1-B | 0:Unknown | ALCOHOL.gcm | QC-1-1-B_582021_005.gcd | 0 |
| 6 | 0.08 QA - A | 0:Unknown | ALCOHOL.gcm | 0.08 QA - A_582021_006.gcd | 0 |
| 7 | 0.08 QA - B | 0:Unknown | ALCOHOL.gcm | 0.08 QA - B_582021_007.gcd | 0 |
| 8 | P2021-1406-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1406-1-A_582021_008.gcd | 0 |
| 9 | P2021-1406-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1406-1-B_582021_009.gcd | 0 |
| 10 | P2021-1407-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1407-1-A_582021_010.gcd | 0 |
| 11 | P2021-1407-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1407-1-B_582021_011.gcd | 0 |
| 12 | P2021-1433-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1433-1-A_582021_012.gcd | 0 |
| 13 | P2021-1433-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1433-1-B_582021_013.gcd | 0 |
| 14 | P2021-1434-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1434-1-A_582021_014.gcd | 0 |
| 15 | P2021-1434-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1434-1-B_582021_015.gcd | 0 |
| 16 | P2021-1438-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1438-1-A_582021_016.gcd | 0 |
| 17 | P2021-1438-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1438-1-B_582021_017.gcd | 0 |
| 18 | P2021-1455-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1455-1-A_582021_018.gcd | 0 |
| 19 | P2021-1455-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1455-1-B_582021_019.gcd | 0 |
| 20 | P2021-1456-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1456-1-A_582021_020.gcd | 0 |
| 21 | P2021-1456-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1456-1-B_582021_021.gcd | 0 |
| 22 | P2021-1463-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1463-1-A_582021_022.gcd | 0 |
| 23 | P2021-1463-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1463-1-B_582021_023.gcd | 0 |
| 24 | P2021-1470-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1470-1-A_582021_024.gcd | 0 |
| 25 | P2021-1470-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1470-1-B_582021_025.gcd | 0 |
| 26 | QC-2-1-A | 0:Unknown | ALCOHOL.gcm | QC-2-1-A_582021_026.gcd | 0 |
| 27 | QC-2-1-B | 0:Unknown | ALCOHOL.gcm | QC-2-1-B_582021_027.gcd | 0 |
| 28 | P2021-1480-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1480-1-A_582021_028.gcd | 0 |
| 29 | P2021-1480-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1480-1-B_582021_029.gcd | 0 |
| 30 | P2021-1481-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1481-1-A_582021_030.gcd | 0 |
| 31 | P2021-1481-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1481-1-B_582021_031.gcd | 0 |
| 32 | P2021-1509-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1509-1-A_582021_032.gcd | 0 |
| 33 | P2021-1509-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1509-1-B_582021_033.gcd | 0 |
| 34 | P2021-1517-1-A | 0:Unknown | ALCOHOL.gcm | P2021-1517-1-A_582021_034.gcd | 0 |
| 35 | P2021-1517-1-B | 0:Unknown | ALCOHOL.gcm | P2021-1517-1-B_582021_035.gcd | 0 |
| 36 | QC1-2-A | 0:Unknown | ALCOHOL.gcm | QC1-2-A_582021_036.gcd | 0 |
| 37 | QC1-2-B | 0:Unknown | ALCOHOL.gcm | QC1-2-B_582021_037.gcd | 0 |
| 38 | INT STD BLK 3 | 0:Unknown | ALCOHOL.gcm | INT STD BLK 3_582021_038.gcd | 0 |


[^0]:    | Aqueous Controls |  |  |  |
    | :---: | :---: | :---: | :---: |
    | Control level | Target Value | Acceptable Range | Overall Results |
    | 80 | 0.080 | $0.076-0.084$ | $0.080 \quad \mathrm{~g} / 100 \mathrm{cc}$ |

