Worklist: 5999

| LAB CASE | ITEM | ITEM TYPE | DESCRIPTION |  |
| :---: | :---: | :---: | :---: | :---: |
| P2022-1723 | 1 | BCK | Alcohol Analysis |  |
| P2022-1758 | 1 | BCK | Alcohol Analysis |  |
| P2022-1759 | 1 | BCK | Alcohol Analysis | \||| ||| |||||||||||||||||||||||||||||||||||||||||||||| |
| P2022-1765 | 2 | BCK | Alcohol Analysis |  |
| P2022-1766 | 1 | BCK | Alcohol Analysis |  |
| P2022-1784 | 1 | BCK | Alcohol Analysis | \||| ||| ||||||||||||||||||||||||||||||||||||||||||||| |
| P2022-1792 | 1 | BCK | Alcohol Analysis |  |
| P2022-1793 | 1 | BCK | Alcohol Analysis |  |
| P2022-1803 | 1 | BLOOD | Alcohol Analysis | \||| ||| |||||||||||||||||||||||||||||||||||||||||||||| |
| P2022-1812 | 1 | BCK | Alcohol Analysis |  |
| P2022-1828 | 1 | BCK | Alcohol Analysis |  |
| P2022-1836 | 1 | BCK | Alcohol Analysis |  |
| P2022-1837 | 1 | BCK | Alcohol Analysis |  |
| P2022-1838 | 1 | BCK | Alcohol Analysis | \||||||||||||||||||||||||||| |
| P2022-1839 | 1 | BCK | Alcohol Analysis | \|||||||||||||||||||||||||||||||||||||||||| |

 ててO乙／七て／七0：əұеด ənss।七：uo！s！＾əy




| i0／AIG\＃ |  |  | حЈठ |
| :---: | :---: | :---: | :---: |
| i0／AIG\＃ |  |  | حכठ |
| i0／AIG\＃ |  |  | ววذ |
| i0／AIG\＃ |  |  | ววอ |
| S＇toz6LI | $686+81$ | 00 SELI | วอठ |
| s＇zott ${ }^{\text {c }}$ | 926621 | 6L8891 | гวठ |
| i0／AIG\＃ |  |  | LDO |
| i0／AIG\＃ |  |  | LDO |
| 9£¢581 | EILI61 | 6 6£6LI | LDO |
| S＇60IL8I | 9LIL8I | Et0¢LI | IDO |
| ャ6It 21 | L6L6LI | I6989］ | LJO |
| 09TんLI | SZS6LI | S6L891 | Lつర |
| S＂9EIZLI | 809LLI | S99991 | $080^{\circ}$ |
| 2I80LI | ELI9LI | ［StS9［ | $080^{\circ}$ |
|  |  |  | amen ${ }^{\text {Pdurs }}$ |

14


Laboratory: Pocatello
Instrument Name : GC2030-HS20
<<Data File>> Method File
Batch File
Date Acquired
Date Created
Date Modified

C:ILabSolutions\Datal202216-17-22 RC\ALCOHOL.gcm
C:: LLabSolutions\Datal202216-17-22 RCl6-17-22 post run batch.gcb
:6/17/2022 2:12:06 PM
:6/17/2022 2:08:42 PM
:6/18/2022 8:26:44 AM


Not Ready

Name : METHANOL Detector Name: FID1 Function : $f(x)=0 * x+0$ $\mathrm{R}^{\wedge} 2$ value $=0$
FitType: Linear ZeroThrough: Not Through
\# $\quad$ Conc. $\quad$ Area Std. Conc. $\quad$ Data File Name

Name : ACETALDEHYDE Detector Name: FID1 Function: $f(x)=0^{\star} x+0$ $\mathrm{R}^{\wedge} 2$ value $=0$
FitType: Linear ZeroThrough: Not Through

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


| $\#$ | Conc. | Area | Std. Conc. | Data File Name |
| ---: | :---: | ---: | ---: | :---: |
| 1 | 0.050 | 16210 | 0.0502 | $0.050 \_6172022 \_001 . g c d$ |
| 2 | 0.100 | 33089 | 0.1000 | $0.100 \_6172022 \_002 . \mathrm{gcd}$ |
| 3 | 0.200 | 66945 | 0.1998 | $0.200 \_6172022 \_003 . \mathrm{gcd}$ |
| 4 | 0.300 | 100649 | 0.2994 | $0.300 \_6172022 \_004 . \mathrm{gcd}$ |
| 5 | 0.500 | 168653 | 0.5003 | $0.500 \_6172022 \_005 . \mathrm{gcd}$ |


Name: ETHANOL
Detector Name: FID1
Function : $f(x)=1.98278^{*} x-0.00161276$
$\mathrm{R}^{\wedge} 2$ value= 0.9999959
FitType: Linear
ZeroThrough: Not Through


Detector Name: FID1
Detector Name: FID1
Function $\cdot f(x)=0^{\star} x+0$
$\mathrm{R}^{\wedge} 2$ value $=0$
FitType: Linear
ZeroThrough: Not Through

| $\#$ | Conc. | Area | Std. Conc. | Data File Name |
| :--- | :--- | :--- | :--- | :--- |

Not Ready

Name : ACETONE

FitType: Linear
ZeroThrough: Not Through
\# Conc. Area Std. Conc. Data File Name

| Not Ready |
| :--- |
|  |
|  |
|  |
|  |

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

| $\#$ | Conc. | Area | Std. Conc. | Data File Name |
| :--- | :--- | :--- | :--- | :--- |

Not Ready

Name: TFE
Detector Name: FID1
Function : $\mathrm{f}(\mathrm{x})=0^{\star} \mathrm{x}+0$ $\mathrm{R}^{\wedge} 2$ value $=0$ FitType: Linear ZeroThrough: Not Through

| $\#$ | Conc. | Area | Std. Conc. | Data File Name |
| :--- | :--- | :--- | :--- | :--- |

Not Ready

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

| $\#$ | Conc. | Area | Std. Conc. | Data File Name |
| :--- | :--- | :--- | :--- | :--- |



Name : METHANOL
Detector Name: FID2
Function: $f(x)=0^{\star} x+0$ $\mathrm{R}^{\wedge} 2$ value $=0$
FitType: Linear ZeroThrough: Not Through

| $\#$ | Conc. | Area | Std. Conc. | Data File Name |
| :--- | :--- | :--- | :--- | :--- |



Name : ETHANOL
Detector Name: FID2
Function : $f(x)=2.03663^{*} x-0.00964281$
$\mathrm{R}^{\wedge} 2$ value $=0.9999501 \mathrm{~V}$
FitType: Linear ZeroThrough: Not Through

| $\#$ | Conc. | Area | Std. Conc. | Data File Name |
| ---: | :---: | ---: | ---: | :---: |
| 1 | 0.050 | 16377 | 0.0513 | $0.050 \_6172022 \_001 . g c d$ |
| 2 | 0.100 | 34167 | 0.0999 | $0.100 \_6172022 \_002 . \mathrm{gcd}$ |
| 3 | 0.200 | 70279 | 0.1991 | $0.200 \_6172022 \_003 . \mathrm{gcd}$ |
| 4 | 0.300 | 106439 | 0.2984 | $0.300 \_6172022 \_004 . \mathrm{gcd}$ |
| 5 | 0.500 | 179814 | 0.5011 | $0.500 \_6172022 \_005 . \mathrm{gcd}$ |

Not Ready
Name : ACETONE Detector Name: FID2
Function: $\mathrm{f}(\mathrm{x})=0^{*} \mathrm{x}+0$ $\mathrm{R}^{\wedge} 2$ value $=0$
FitType: Linear ZeroThrough: Not Through

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



[^0]
## Detector Name: FID2

Function : $f(x)=0^{\star} x+0$
$\mathrm{R}^{\wedge} 2$ value $=0$
FitType: Linear
ZeroThrough: Not Through
Not Ready

| Sample Name | $: 0.050$ |
| :--- | :--- |
| Vial \# | $: 1$ |
| Data Filename | $: 0.050$ 6172022_001.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 2022$ 1:33:59 PM |
| Date Processed | $: 6 / 18 / 2022$ 8:26:39 AM |
| C:\LabSolutions\Data\2022\6-17-22 RC\ALCOHOL.gcm |  |



FID1

| FID1 | Name | Conc. | Unit | Area |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | Height |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0502 | $\mathrm{~g} / 100 \mathrm{cc}$ | 16210 | 6890 |
| ISOPROPYL ALCOHOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 165276 | 46944 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0513 | $\mathrm{~g} / 100 \mathrm{cc}$ | 16377 | 7963 |
| ACETONE | - | $\mathrm{g} / 100 \mathrm{cc}$ | - | - |
| ISOPROPYLALCOHOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 172515 | 62400 |
| DFE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |
| TFE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |


| Sample Name | $: 0.100$ |
| :--- | :--- |
| Vial \# | $: 2$ |
| Data Filename | $: 0.100 \_6172022 \_002 . \mathrm{gcd}$ |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 20221: 43: 29 \mathrm{PM}$ |
| Date Processed | $: 6 / 18 / 2022$ 8:26:40 AM |
| C:\LabSolutions |  |



FID1

| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |
| ETHANOL | 0.1000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 33089 | 14119 |
| ISOPROPYLALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 168086 | 47774 |
| 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 | 0.0999 | $\mathrm{g} / 100 \mathrm{cc}$ | 34167 | 16901 |
| ACETONE | --- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{g} / 100 \mathrm{cc}$ | 176219 | 64177 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | --- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $: 0.200$ |
| :--- | :--- |
| Vial \# | $: 3$ |
| Data Filename | $: 0.200 \_6172022$ _003.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 20221: 52: 49$ PM |
| Date Processed | $: 6 / 18 / 2022$ 8:26:42 AM |
| C:\LabSolutions $\backslash$ Data | 2022 6 (6-17-22 RC\ALCOHOL.gcm |



FID1

| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | - | $\mathrm{g} / 100 \mathrm{cc}$ | - | - |
| ETHANOL | 0.1998 | $\mathrm{~g} / 100 \mathrm{cc}$ | 66945 | 28615 |
| ISOPROPYLALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 169669 | 48255 |
| 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 | 0.1991 | $\mathrm{g} / 100 \mathrm{cc}$ | 70279 | 35040 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | - | -- |
| N-PROPANOL | 0.0000 | $\mathrm{g} / 100 \mathrm{cc}$ | 177539 | 64631 |
| DFE | --- | $\mathrm{g} / 100 \mathrm{cc}$ | --- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $: 0.300$ |
| :--- | :--- |
| Vial \# | $: 4$ |
| Data Filename | $: 0.300 \_6172022 \_004 . g c d$ |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 2022$ 2:02:34 PM |
| Date Processed | $: 6 / 18 / 2022$ 8:26:43 AM |
| C:\LabSolutions $\backslash$ Data |  |
|  |  |



| FID1 | Name | Conc. | Unit | Area |
| :--- | :---: | :---: | :---: | :---: |
|  | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | Height |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | 0.2994 | $\mathrm{~g} / 100 \mathrm{cc}$ | 100649 | 43002 |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |
| ACETONE | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 169968 | 48146 |
| N-PROPANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| DFE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE |  |  |  |  |


| FID2 | Name | Conc. | Unit | Area |
| :--- | :---: | :---: | :---: | :---: |
| - | Height |  |  |  |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | 0.2984 | $\mathrm{~g} / 100 \mathrm{cc}$ | -- | - |
| ETHANOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | 106439 | 53034 |
| ACETONE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYLALCOHOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | -- | - |
| N-PROPANOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | 65057 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |
| TFE |  | -- |  |  |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ( | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | 0.5003 | $\mathrm{~g} / 100 \mathrm{cc}$ | 168653 | 72019 |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 170276 | 48380 |
| N-PROPANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE |  |  |  |  |


| FID2 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.5011 | $\mathrm{~g} / 100 \mathrm{cc}$ | 179814 | 90166 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 177849 | 65249 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | : INT STD BLK 1 |
| :---: | :---: |
| Vial \# | : 6 |
| Data Filename | : INT STD BLK 1_6172022_006.gcd |
| Method Filename | : ALCOHOL.gcm |
| Batch Filename | : 6-17-22 post run batch.gcb |
| Date Acquired | : 6/17/2022 2:21:23 PM |
| Date Processed | : 6/18/2022 8:26:47 AM |
| C: \LabSolutions\D | 2\6-17-22 RC\ALCOHOL.gcm |



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 | $\mathrm{~g} / 100 \mathrm{cc}$ | 149767 | 42468 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | -- | $g / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $g / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | -- | $g / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $g / 100 \mathrm{cc}$ | -- | - |
| ISOPROPYL ALCOHOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | - | - |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 156954 | 57250 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | --- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $:$ MULTI-COMP MIX |
| :--- | :--- |
| Vial \# | $: 7$ |
| Data Filename | $:$ MULTI-COMP MIX_6172022_007.gcd |
| Method Filename | :ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 1022$ 2:31:07 PM |
| Date Processed | $: 6 / 18 / 2022$ 8:26:48 AM |
| C:\LabSolutions $\backslash$ Data $\backslash 2022 \backslash 6-17-22$ RC\ALCOHOL.gcm |  |



FID1

| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 24704 | 12320 |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.2742 | $\mathrm{~g} / 100 \mathrm{cc}$ | 44458 | 19378 |
| ISOPROPYL ALCOHOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 68924 | 24722 |
| ACETONE | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 28498 | 9979 |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 82014 | 23492 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| Name | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 26236 | 14131 |
| METHANOL | 0.2833 | $\mathrm{~g} / 100 \mathrm{cc}$ | 47837 | 24322 |
| ETHANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 30935 | 15514 |
| ACETONE | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 74042 | 35684 |
| ISOPROPYL ALCOHOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 84294 | 31258 |
| N-PROPANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE |  |  |  |  |



VOLATILES BAC CASEFILE WORKSHEET
Laboratory No.: QC1-1

|  | Column 1 <br> FID A | Column 2 <br> FID B | Column Precision | Mean Value | Sample A-B <br> Difference | Over-all Mean |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sample Results | 0.0745 | 0.0750 | 0.0005 | 0.0747 |  | 0.0744 |
| (g/100cc) | 0.0739 | 0.0744 | 0.0005 | 0.0741 |  | 0.006 |

Analysis Method


Calibration and control data are stored centrally.


Revision: 1
Issue Date: 12/29/2021

| Sample Name | : QC-1-1-A |
| :--- | :--- |
| Vial \# | $: 9$ |
| Data Filename | :QC-1-1-A_6172022_009.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 2022$ 2:49:56 PM |
| Date Processed | $: 6 / 18 / 2022$ 8:26:50 AM |
| C:\LabSolutions $\backslash$ Data | 2022 6 (6-17-22 RC\ALCOHOL.gcm |



FID1

| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0745 | $\mathrm{~g} / 100 \mathrm{cc}$ | 24664 | 10440 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 168795 | 47853 |
| 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 | 0.0750 | $\mathrm{~g} / 100 \mathrm{cc}$ | 25721 | 12700 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 179525 | 67331 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | :QC-1-1-B |
| :--- | :--- |
| Vial \# | $: 10$ |
| Data Filename | $:$ QC-1-1-B_6172022_010.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 2022$ 2:59:41 PM |
| Date Processed | $: 6 / 18 / 202288: 26: 52$ AM |
| C:\LabSolutions $\backslash$ Data $2022 \backslash 6-17-22$ RC\ALCOHOL.gcm |  |



| Name | Conc. | Unit | Area | Height |
| :---: | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | --- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0739 | $\mathrm{g} / 100 \mathrm{cc}$ | 24456 | 10394 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{g} / 100 \mathrm{cc}$ | 168591 | 47739 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | - | -- |


| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
|  | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |
| METHANOL | 0.0744 | $\mathrm{~g} / 100 \mathrm{cc}$ | 25531 | 12560 |
| ETHANOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |
| ISOPROPYLALCOHOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 179797 | 67341 |
| N-PROPANOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| DFE | - | $\mathrm{g} / 100 \mathrm{cc}$ | - | - |
| TFE |  |  |  |  |

## VOLATILES BAC CASEFILE WORIKSHEET

| Laboratory No.: 0.080 QA |  |  | Item \# |  | Analysis Date(s): 6/17/2022 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
| Sample Results | 0.0816 | 0.0821 | 0.0005 | 0.0818 |  |  |
| (g/100cc) | 0.0817 | 0.0821 | 0.0004 | 0.0819 | 0.0001 | 0.0818 |
| 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\% of Mean |  |
| 0.081 |  |  | 0.076 | 0.086 | 0.005 |  |
|  |  |  | eported Resu $0.081$ |  |  |  |

Calibration and control data are stored centrally.

| Sample Name | $: 0.08$ QA - A |
| :--- | :--- |
| Vial \# | $: 11$ |
| Data Filename | $: 0.08$ QA - A_6172022_011.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 2022$ 3:09:12 PM |
| Date Processed | $: 6 / 18 / 2022$ 8:26:53 AM |
| C:\LabSolutions $\backslash$ Data $\ 2022 \backslash 6-17-22$ RC $\backslash$ ALCOHOL.gcm |  |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0816 | $\mathrm{~g} / 100 \mathrm{cc}$ | 26526 | 11242 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 165451 | 46889 |
| 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 | 0.0821 | $\mathrm{~g} / 100 \mathrm{cc}$ | 27780 | 13755 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 176173 | 66104 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $: 0.08$ QA-B |
| :--- | :--- |
| Vial \# | $: 12$ |
| Data Filename | $: 0.08$ QA-B_6172022_012.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 2022$ 3:18:29 PM |
| Date Processed | $: 6 / 18 / 2022$ 8:26:54 AM |
| C:\LabSolutions\Data\2022\6-17-22 RC\ALCOHOL.gcm |  |



FID1

| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | - | -- |
| ETHANOL | 0.0817 | $\mathrm{~g} / 100 \mathrm{cc}$ | 26737 | 11329 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 166665 | 47317 |
| 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 | 0.0821 | $\mathrm{g} / 100 \mathrm{cc}$ | 27993 | 13846 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{g} / 100 \mathrm{cc}$ | 177608 | 66584 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | --- | -- |
| TFE | - | g/100cc | -- | -- |

## VOLATILES BAC CASEFILE WORKSHEET

| Laboratory | QC2-1 | Item \# |  |  | Analysis Date(s): | 6/17/2022 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Column 1 FID A | $\text { Column } 2$ FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
| Sample Results | 0.2187 | 0.2165 | 0.0022 | 0.2176 |  |  |
| (g/100cc) | 0.2173 | 0.2152 | 0.0021 | 0.2162 | 0.0014 | 0.2169 |
| 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 | $5 \%$ of | Mean |
| 0.216 |  |  | 0.205 | 0.227 | 0.011 |  |
|  |  |  | eported Resu $0.216$ |  |  |  |

Calibration and control data are stored centrally.


FID1

| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | - | $\mathrm{g} / 100 \mathrm{cc}$ | - | -- |
| ETHANOL | 0.2187 | $\mathrm{~g} / 100 \mathrm{cc}$ | 72965 | 30991 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 168879 | 48056 |
| 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 | 0.2165 | $\mathrm{g} / 100 \mathrm{cc}$ | 77617 | 38599 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{g} / 100 \mathrm{cc}$ | 179926 | 67719 |
| DFE | --- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $:$ QC-2-1-B |
| :--- | :--- |
| Vial \# | $: 32$ |
| Data Filename | $:$ QC-2-1-B_6172022_032.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 2022$ 6:29:05 PM |
| Date Processed | $: 6 / 18 / 2022$ 8:27:20 AM |
| C:\LabSolutions\Data\2022\6-17-22 RC\ALCOHOL.gcm |  |



FID1

| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | - | -- |
| ACETALDEHYDE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.2173 | $\mathrm{~g} / 100 \mathrm{cc}$ | 74492 | 31619 |
| ISOPROPYLALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 173500 | 49391 |
| 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 | 0.2152 | $\mathrm{g} / 100 \mathrm{cc}$ | 79328 | 39582 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{g} / 100 \mathrm{cc}$ | 184989 | 69911 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | $\cdots$ | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |

VOLATILES BAC CASEFILE WORKSHEET

| Laboratory | QC1-2 | Item \# |  |  | Analysis Date(s): | 6/17/2022 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 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 | 0.0791 | 0.0795 | 0.0004 | 0.0793 |  |  |
| (g/100cc) | 0.0795 | 0.0799 | 0.0004 | 0.0797 | 0.0004 | 0.0795 |
| 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 | $5 \%$ of | Mean |
| 0.079 |  |  | 0.075 | 0.083 | 0.004 |  |
|  |  |  | eported Resu $0.079$ |  |  |  |

Calibration and control data are stored centrally.


Revision: 1

| Sample Name | : QC1-2-A |
| :--- | :--- |
| Vial \# | $: 45$ |
| Data Filename | $:$ QC1-2-A 6172022 _045.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 20228: 32: 35 \mathrm{PM}$ |
| Date Processed | $: 6 / 18 / 2022$ 8:27:36 AM |
| C:\LabSolutions |  |
|  |  |



| FID1 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0791 | $\mathrm{~g} / 100 \mathrm{cc}$ | 27194 | 11467 |
| ISOPROPYLALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | - | - |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 175043 | 49805 |
| DFE | - | $\mathrm{g} / 100 \mathrm{cc}$ | - | - |
| TFE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Name |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| ACETALDEHYDE | Conc. | Unit | Area | Height |  |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |  |
| ETHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |  |
| ACETONE | 0.0795 | $\mathrm{~g} / 100 \mathrm{cc}$ | 28510 | 14057 |  |
| ISOPROPYLALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | - | - |  |
| N-PROPANOL | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | - |  |
| DFE | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 187176 | 70232 |  |
| TFE | - | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |  |


| Sample Name | : QC1-2-B |
| :--- | :--- |
| Vial \# | :46 |
| Data Filename | :QC1-2-B_6172022_046.gcd |
| Method Filename | : ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 2022$ 8:42:21 PM |
| Date Processed | :6/18/2022 8:27:38 AM |
| C:\LabSolutions\Data |  |



FID1

| Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0795 | $\mathrm{~g} / 100 \mathrm{cc}$ | 28003 | 11833 |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 179359 | 51109 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| FID2 Name | Conc. | Unit | Area | Height |
| :--- | :---: | :---: | :---: | :---: |
| NCETALDEHYDE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| METHANOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ETHANOL | 0.0799 | $\mathrm{~g} / 100 \mathrm{cc}$ | 29378 | 14476 |
| ACETONE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| ISOPROPYL ALCOHOL | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| N-PROPANOL | 0.0000 | $\mathrm{~g} / 100 \mathrm{cc}$ | 191713 | 72214 |
| DFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |
| TFE | -- | $\mathrm{g} / 100 \mathrm{cc}$ | -- | -- |


| Sample Name | $:$ INT STD BLK 3 |
| :--- | :--- |
| Vial \# | $: 47$ |
| Data Filename | $:$ INT STD BLK 3_6172022_047.gcd |
| Method Filename | $:$ ALCOHOL.gcm |
| Batch Filename | $: 6-17-22$ post run batch.gcb |
| Date Acquired | $: 6 / 17 / 2022$ 8:51:50 PM |
| Date Processed | $: 6 / 18 / 2022$ 8:27:39 AM |
| C:\LabSolutions\Data\2022\6-17-22 RC\ALCOHOL.gcm |  |



FID1

| 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 | $\mathrm{~g} / 100 \mathrm{cc}$ | 166739 | 47666 |
| 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 | $\mathrm{~g} / 100 \mathrm{cc}$ | 179521 | 68066 |
| 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<br>Copyright (C) 2008-2019 Shimadzu Corporation. All rights reserved.

| Vial\# | Sample Name | Sample Type | Method File | Data File | Level\# |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 0.050 | 1:Standard:(I) | ALCOHOL.gcm | 0.050_6172022_001.gcd | 1 |
| 2 | 0.100 | 1:Standard:(R) | ALCOHOL.gcm | $0.100 \_6172022$ _002.gcd | 2 |
| 3 | 0.200 | 1:Standard:(R) | ALCOHOL.gcm | $0.200 \_6172022$ _003.gcd | 3 |
| 4 | 0.300 | 1:Standard:(R) | ALCOHOL.gcm | 0.300_6172022_004.gcd | 4 |
| 5 | 0.500 | 1:Standard:(R) | ALCOHOL.gcm | $0.500 \_6172022 \_005 . \mathrm{gcd}$ | 5 |
| 6 | INT STD BLK 1 | 0:Unknown | ALCOHOL.gcm | INT STD BLK 1_6172022_006.gcd | 0 |
| 7 | MULTI-COMP MIX | 0:Unknown | ALCOHOL.gcm | MULTI-COMP MIX_6172022_007.gcd | 1 |
| 8 | INT STD BLK 2 | 0:Unknown | ALCOHOL.gcm | INT STD BLK 2_6172022_008.gcd | 0 |
| 9 | QC-1-1-A | 0:Unknown | ALCOHOL.gcm | QC-1-1-A_6172022_009.gcd | 0 |
| 10 | QC-1-1-B | 0:Unknown | ALCOHOL.gcm | QC-1-1-B_6172022_010.gcd | 0 |
| 11 | 0.08 QA - A | 0:Unknown | ALCOHOL.gcm | 0.08 QA - A_6172022_011.gcd | 0 |
| 12 | 0.08 QA - B | 0:Unknown | ALCOHOL.gcm | 0.08 QA - B_6172022_012.gcd | 0 |
| 13 | P2022-1723-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1723-1-A_6172022_013.gcd | 0 |
| 14 | P2022-1723-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1723-1-B_6172022_014.gcd | 0 |
| 15 | P2022-1758-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1758-1-A_6172022_015.gcd | 0 |
| 16 | P2022-1758-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1758-1-B_6172022_016.gcd | 0 |
| 17 | P2022-1759-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1759-1-A_6172022_017.gcd | 0 |
| 18 | P2022-1759-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1759-1-B_6172022_018.gcd | 0 |
| 19 | P2022-1765-2-A | 0:Unknown | ALCOHOL.gcm | P2022-1765-2-A_6172022_019.gcd | 0 |
| 20 | P2022-1765-2-B | 0:Unknown | ALCOHOL.gcm | P2022-1765-2-B_6172022_020.gcd | 0 |
| 21 | P2022-1766-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1766-1-A_6172022_021.gcd | 0 |
| 22 | P2022-1766-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1766-1-B_6172022_022.gcd | 0 |
| 23 | P2022-1784-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1784-1-A_6172022_023.gcd | 0 |
| 24 | P2022-1784-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1784-1-B_6172022_024.gcd | 0 |
| 25 | P2022-1792-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1792-1-A_6172022_025.gcd | 0 |
| 26 | P2022-1792-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1792-1-B_6172022_026.gcd | 0 |
| 27 | P2022-1793-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1793-1-A_6172022_027.gcd | 0 |
| 28 | P2022-1793-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1793-1-B_6172022_028.gcd | 0 |
| 29 | P2022-1803-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1803-1-A_6172022_029.gcd | 0 |
| 30 | P2022-1803-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1803-1-B_6172022_030.gcd | 0 |
| 31 | QC-2-1-A | 0:Unknown | ALCOHOL.gcm | QC-2-1-A_6172022_031.gcd | 0 |
| 32 | QC-2-1-B | 0:Unknown | ALCOHOL.gcm | QC-2-1-B_6172022_032.gcd | 0 |
| 33 | P2022-1812-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1812-1-A_6172022_033.gcd | 0 |
| 34 | P2022-1812-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1812-1-B_6172022_034.gcd | 0 |
| 35 | P2022-1828-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1828-1-A_6172022_035.gcd | 0 |
| 36 | P2022-1828-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1828-1-B_6172022_036.gcd | 0 |
| 37 | P2022-1836-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1836-1-A_6172022_037.gcd | 0 |
| 38 | P2022-1836-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1836-1-B_6172022_038.gcd | 0 |
| 39 | P2022-1837-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1837-1-A_6172022_039.gcd | 0 |
| 40 | P2022-1837-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1837-1-B_6172022_040.gcd | 0 |
| 41 | P2022-1838-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1838-1-A_6172022_041.gcd | 0 |
| 42 | P2022-1838-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1838-1-B_6172022_042.gcd | 0 |
| 43 | P2022-1839-1-A | 0:Unknown | ALCOHOL.gcm | P2022-1839-1-A_6172022_043.gcd | 0 |
| 44 | P2022-1839-1-B | 0:Unknown | ALCOHOL.gcm | P2022-1839-1-B_6172022_044.gcd | 0 |
| 45 | QC1-2-A | 0:Unknown | ALCOHOL.gcm | QC1-2-A_6172022_045.gcd | 0 |
| 46 | QC1-2-B | 0:Unknown | ALCOHOL.gcm | QC1-2-B_6172022_046.gcd | 0 |
| 47 | INT STD BLK 3 | 0:Unknown | ALCOHOL.gcm | INT STD BLK 3_6172022_047.gcd | 0 |

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM):
Date of Request: $\quad \mathbf{1 / 2 1 / 2 0 2 2}$
Requestor/Discipline: Melissa (Nikka) Bradley/Blood Alcohol
Analytical Method/Quality Standard, Revision \#: AM\#1 Analysis for Volatiles by Headspace GC/ 4.3.9

Temporary or Permanent Deviation: Permanent

Scope of Deviation There is a noticeable increased drift of internal standard (n-propanol signals) from the calibrators, beginning of the run and towards the end of the sample run that is consistent in multiple batches of blood alcohol runs. Because all the samples that are analyzed are being compared to calibrators that are performed at the beginning of the run, the n-propanol signal of end samples tend to be outside or close to being outside of the $+/-20 \%$ of the mean value from the calibration curve used Despite this drift the values of known control samples are within acceptable limits.

## Deviation Request

4.3.9.1.1 The average values for the internal standard will be established by averaging the IS counts throughout the calibration curve samples.

## Requesting that the internal standard monitoring average be changed to average the aqueous and matrix controls within the run.

4.3.9.1.1 The average values for the internal standard will be established by averaging the IS counts from the aqueous control and all matrix blood control samples.

## Technical Justification for Analytical Method Deviations:

The designed purpose of the internal standard monitoring is to evaluate the quality of injection of each sample. There is a gradual increase of internal standard response from the beginning of the batch (calibrators and early samples) to the end that is inherent to the current instrument set up as shown in trends from previous batches in multiple laboratories. Attempts to pre-condition/warm up the instrument using by running a pre-batch sequence utilizing old calibrator/blank samples prior to running a new calibration curve did not appear to minimize this occurrence. Furthermore, it can be seen that the drifting trend is not due to the extraction procedure because some of the later batch samples were extracted prior to the samples that are injected during the run. It is worth noting that despite this
trend, the values of the known control samples are still within the specified acceptable range. By utilizing known control n-propanol signals throughout the batch, any potential drift will be taken into account while still being able to monitor a possible mis-injection or partial injection throughout the batch/sequence.

This deviation will have an expiration date of July $1^{\text {st }}, 2022$.

## Technical Review

$\boxtimes$ Departure approved
Comments: Forms will be updated to reflect the new process concurrent with the deviation.

## Departure Not Approved

Comments:


Date: $1 / 21 / 22$

Quality Review
Quality Approver:
Title:
Date:


[^0]:    \# Conc. Area Std. Conc. Data File Name

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

