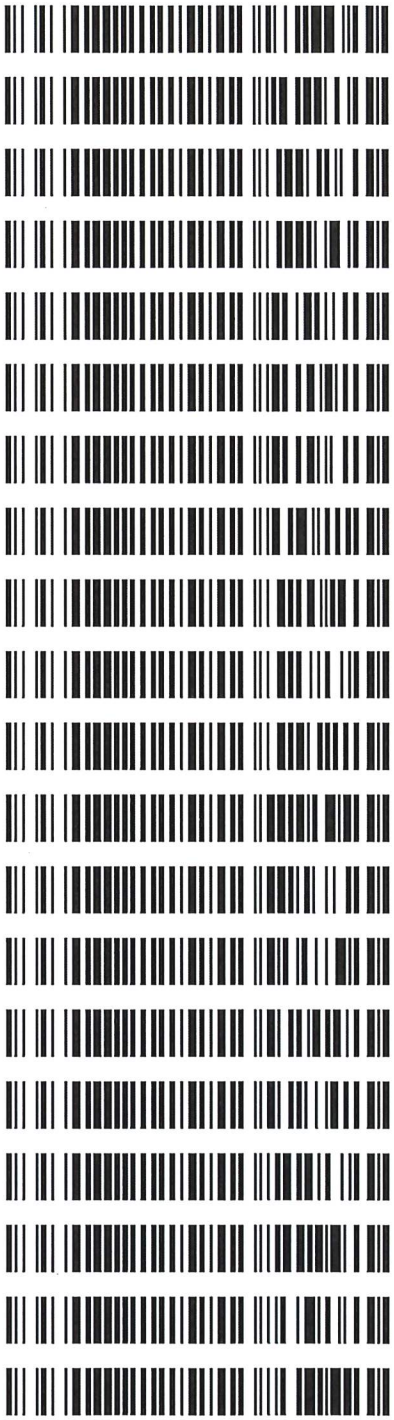
TS

10/19/2022

Worklist: 6133

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2022-3124	1	BCK	Alcohol Analysis
P2022-3131	1	BCK	Alcohol Analysis
P2022-3135	1	BCK	Alcohol Analysis
P2022-3136	1	BCK	Alcohol Analysis
P2022-3141	1	BCK	Alcohol Analysis
P2022-3142	1	BCK	Alcohol Analysis
P2022-3144	1	BCK	Alcohol Analysis
P2022-3170	1	BCK	Alcohol Analysis
P2022-3172	1	BCK	Alcohol Analysis
P2022-3173	1	BCK	Alcohol Analysis
P2022-3174	1	BCK	Alcohol Analysis
P2022-3177	1	BCK	Alcohol Analysis
P2022-3179	1	BCK	Alcohol Analysis
P2022-3192	1	BCK	Alcohol Analysis
P2022-3206	1	BCK	Alcohol Analysis
P2022-3207	1	BCK	Alcohol Analysis
P2022-3222	1	BCK	Alcohol Analysis
P2022-3223	1	BCK	Alcohol Analysis
P2022-3232	1	BCK	Alcohol Analysis
P2022-3234	1	BCK	Alcohol Analysis



Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 10/19/2022**

Calibration Date: *(if different)* **10/17/2022**

Worklist #: 6133

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0704 g/100cc
					0.0787 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2118 g/100cc
					0.2209 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	10/31/2024	Lot #	FN06041902	
Curve Fit:		**Column 1**	0.99968	**Column2**	0.99919

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0502	0.0508	0.0006	0.0505
100	0.100	0.090 - 0.110	0.0984	0.0977	0.0007	0.098
200	0.200	0.180 - 0.220	0.1980	0.1961	0.0019	0.197
300	0.300	0.270 - 0.330	0.3054	0.3084	0.003	0.3069
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4977	0.4968	0.0009	0.4972

Aqueous Controls

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

REVIEWED
By Rachel Cutler at 2:05 pm, Oct 20, 2022

Internal Standard Monitoring Worksheet

Worklist #:	6133	Run Date(s):	10/19/2022

Internal Standard Solution:	Prep Date:	9/20/2022	Exp Date:	3/20/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	158626	166556
0.080	158378	166412
QC1	159699	167663
QC1	159095	167144
QC1	161081	167928
QC1	163302	170655
QC1		
QC1		
QC2	152243	158046
QC2	155506	161364
QC2	169278	176593
QC2	166714	173730
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	160392.2	128313.8	192470.6
Column 2	167609.1	134087.3	201130.9

TS

Calibration Table

Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Data File>>
Method File :C:\LabSolutions\Data\2022\10-17-22 TS\10-19-22 TS\ALCOHOL.gcm
Batch File :C:\LabSolutions\Data\2022\10-17-22 TS\10-19-22 TS\10-19-22 TS.gcb
Date Acquired :10/19/2022 10:04:06 AM
Date Created :10/19/2022 10:00:44 AM
Date Modified :10/19/2022 10:10:08 AM

Not Ready

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

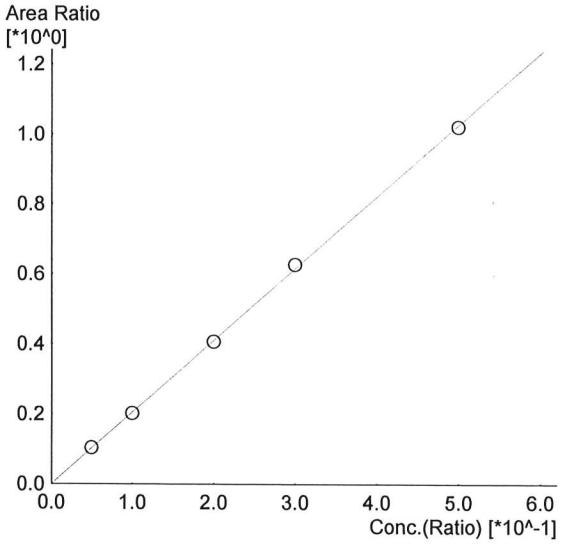
#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

TS



Name : ETHANOL
Detector Name: FID1
Function : f(x)=2.05133*x-2.23020e-005
R^2 value= 0.9996830
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15561	0.0502	0.050_10172022_001.gcd
2	0.100	31728	0.0984	0.100_10172022_002.gcd
3	0.200	62835	0.1980	0.200_10172022_003.gcd
4	0.300	93343	0.3054	0.300_10172022_004.gcd
5	0.500	162771	0.4977	0.500_10172022_005.gcd

Not Ready

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

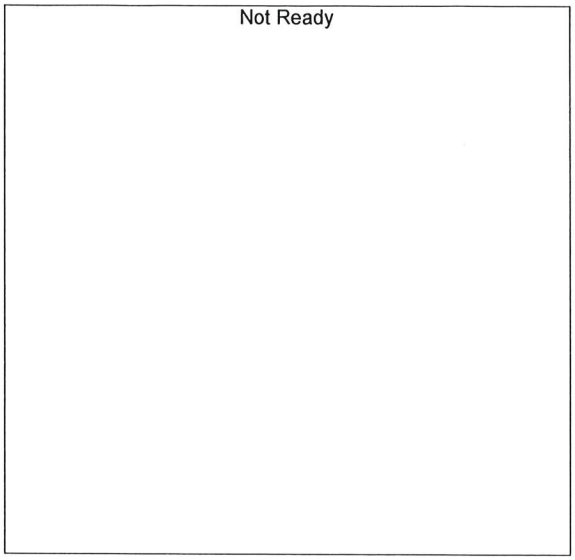
#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

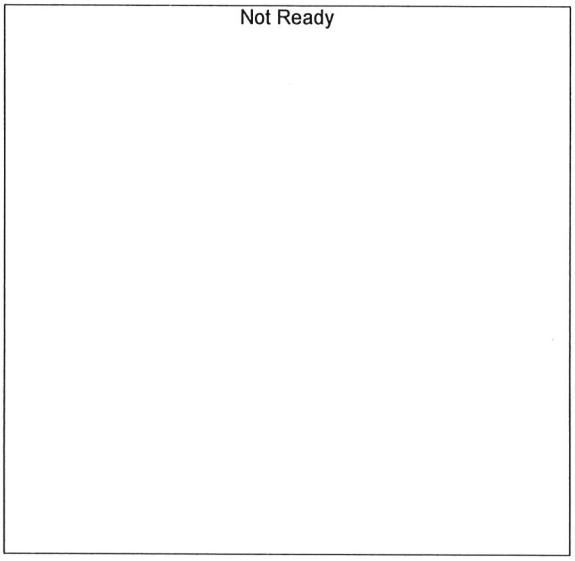
#	Conc.	Area	Std. Conc.	Data File Name

TS



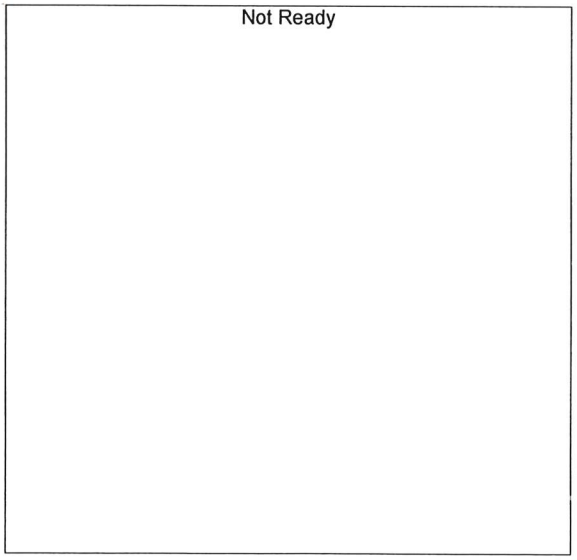
Name : DFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



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

#	Conc.	Area	Std. Conc.	Data File Name



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

#	Conc.	Area	Std. Conc.	Data File Name

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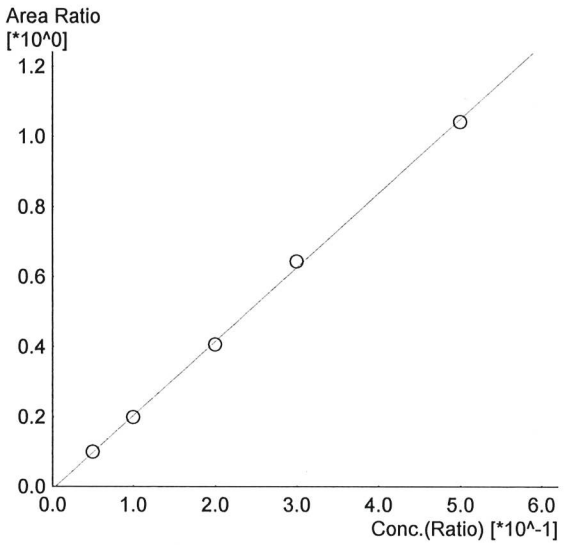
Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name



Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.11293*x-0.00745498
R^2 value= 0.9991958
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15754	0.0508	0.050_10172022_001.gcd
2	0.100	32672	0.0977	0.100_10172022_002.gcd
3	0.200	65789	0.1961	0.200_10172022_003.gcd
4	0.300	99400	0.3084	0.300_10172022_004.gcd
5	0.500	172950	0.4968	0.500_10172022_005.gcd

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

TS

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

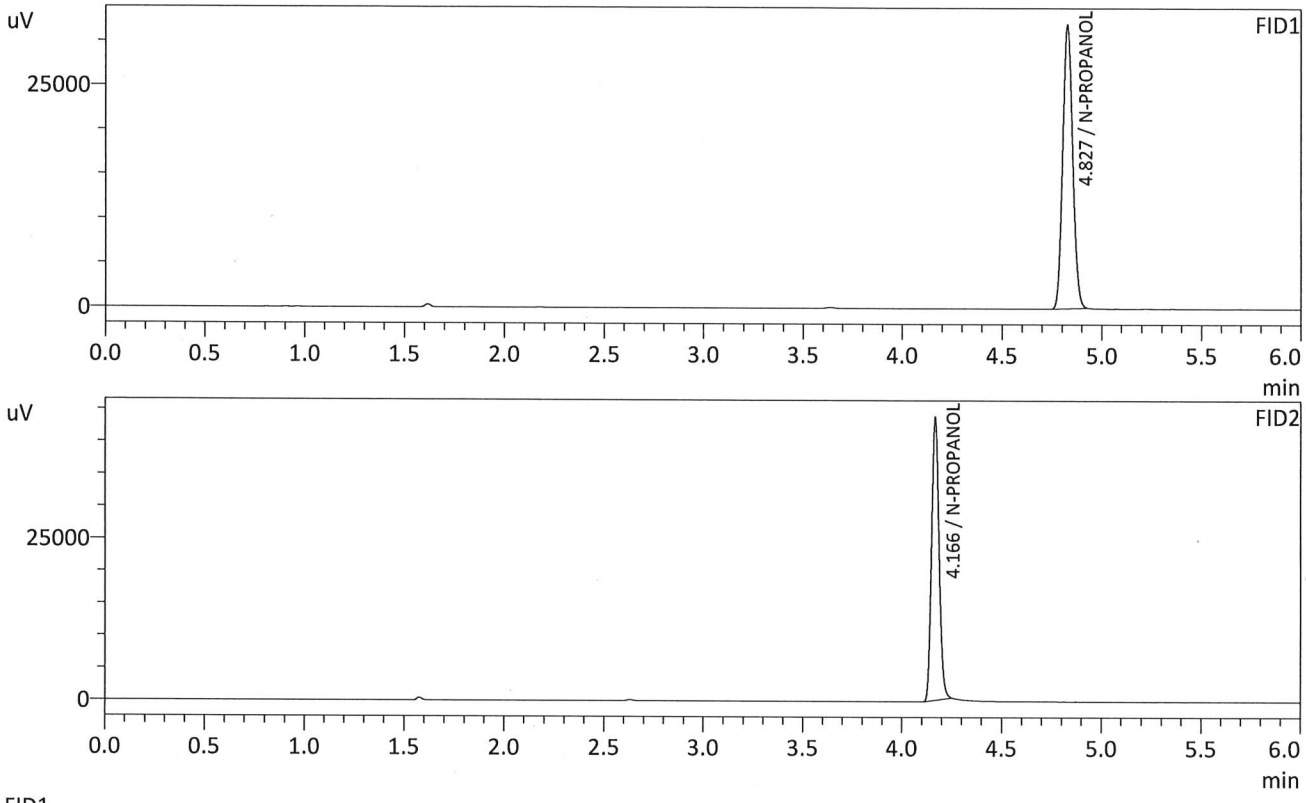
Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

TS

Sample Name : INT STD BLK 1
Vial # : 1
Data Filename : INT STD BLK 1_10192022_001.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 9:54:36 AM
Date Processed : 10/20/2022 7:53:00 AM
C:\LabSolutions\Data\2022\10-17-22 TS\10-19-22 TS\ALCOHOL.gcm



FID1

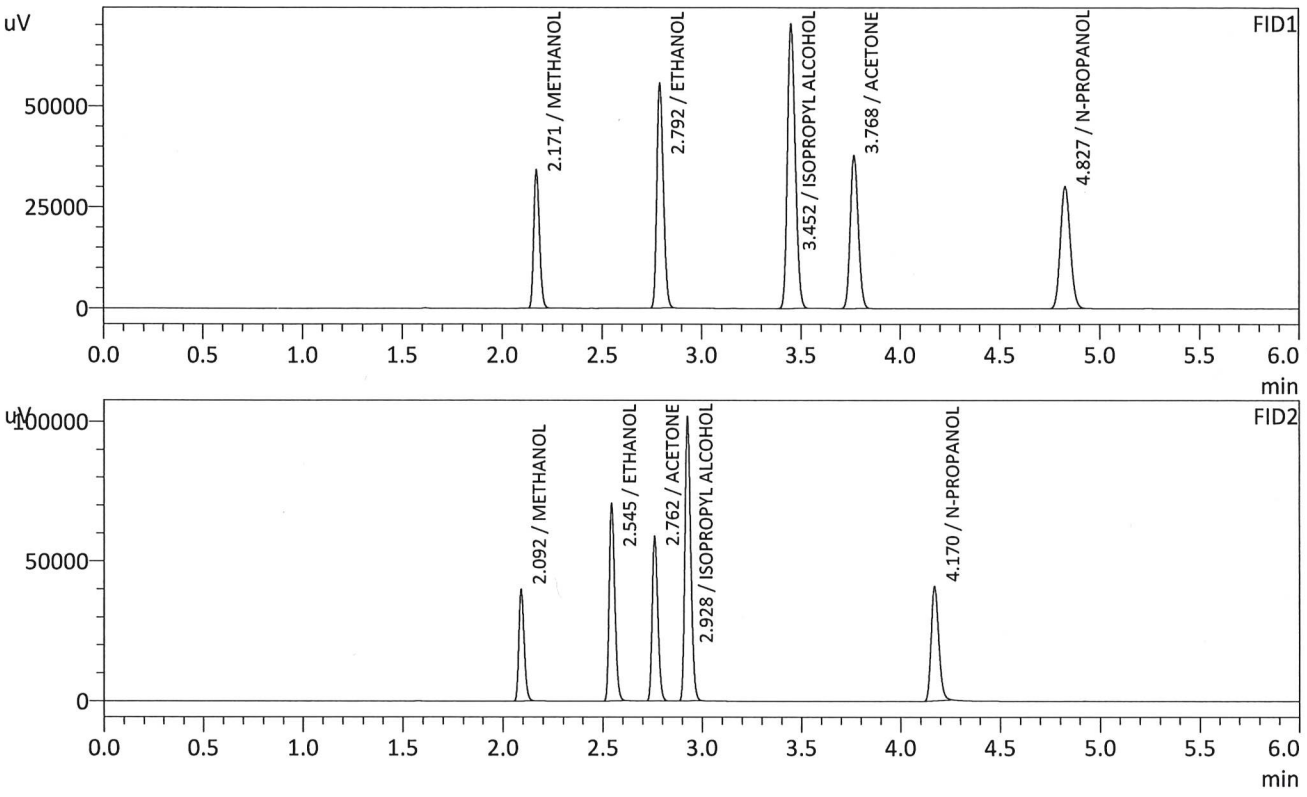
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	111972	31898
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	115933	43636
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : MULTI-COMP MIX
Vial # : 2
Data Filename : MULTI-COMP MIX_10192022_002.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 10:04:06 AM
Date Processed : 10/20/2022 7:53:01 AM
C:\LabSolutions\Data\2022\10-17-22 TS\10-19-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	68003	33769
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5908	g/100cc	126320	55089
ISOPROPYL ALCOHOL	0.0000	g/100cc	193032	70048
ACETONE	0.0000	g/100cc	107151	37724
N-PROPANOL	0.0000	g/100cc	104221	30046
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	72569	39282
ETHANOL	0.6059	g/100cc	136575	70131
ACETONE	0.0000	g/100cc	115672	58542
ISOPROPYL ALCOHOL	0.0000	g/100cc	208485	101266
N-PROPANOL	0.0000	g/100cc	107295	40726
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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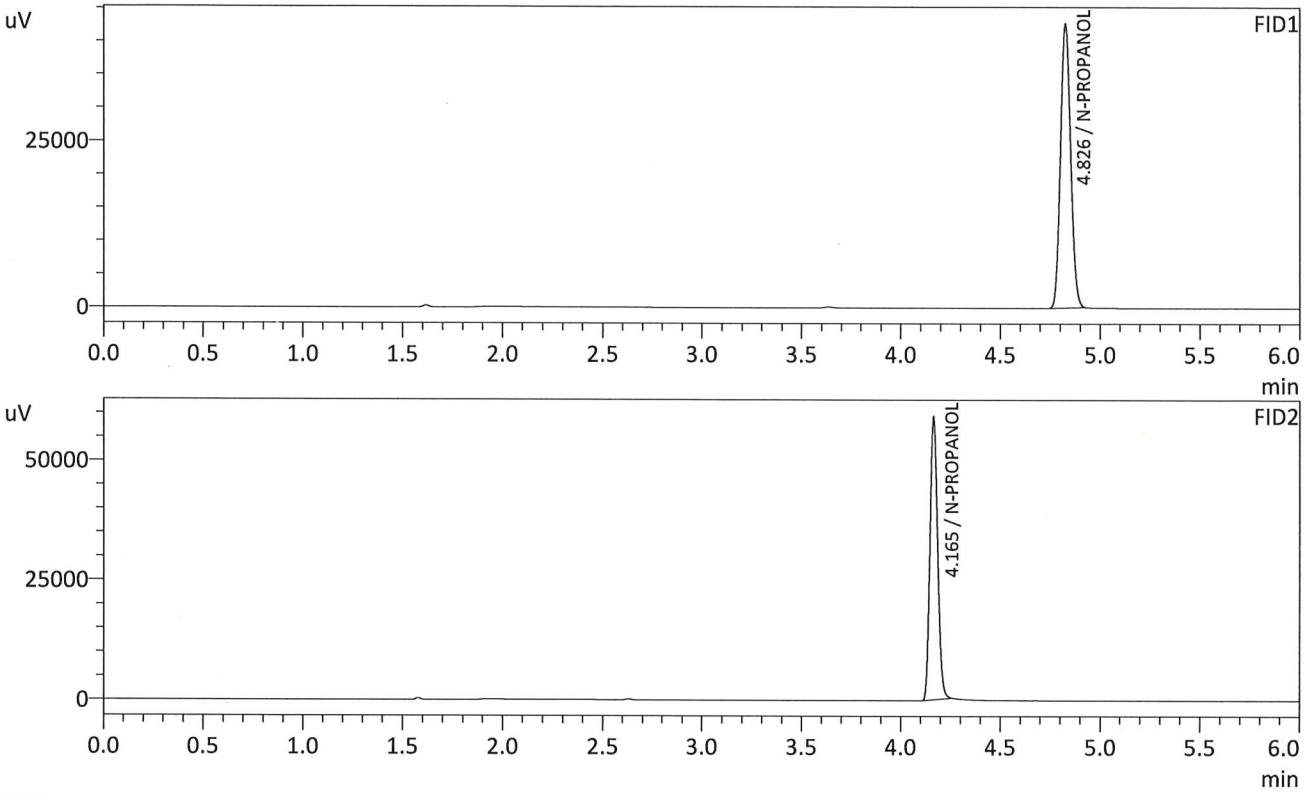
Sample Name : INT STD BLK 2
Vial # : 3
Data Filename : INT STD BLK 2_10192022_003.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 10:13:27 AM
Date Processed : 10/20/2022 7:53:02 AM
C:\LabSolutions\Data\2022\10-17-22 TS\10-19-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	149970	42623
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157117	59112
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Item #** **Analysis Date(s): 10/19/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0706	0.0702	0.0004	0.0704	0.0000	0.0704
(g/100cc)	0.0706	0.0702	0.0004	0.0704		

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
0.070	**0.066**	**0.074**	**0.004**

	Reported Result	
	0.070	

Calibration and control data are stored centrally.

TS

Sample Name : QC1-1-A
Vial # : 4
Data Filename : QC1-1-A_10192022_004.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 10:23:12 AM
Date Processed : 10/20/2022 7:53:04 AM
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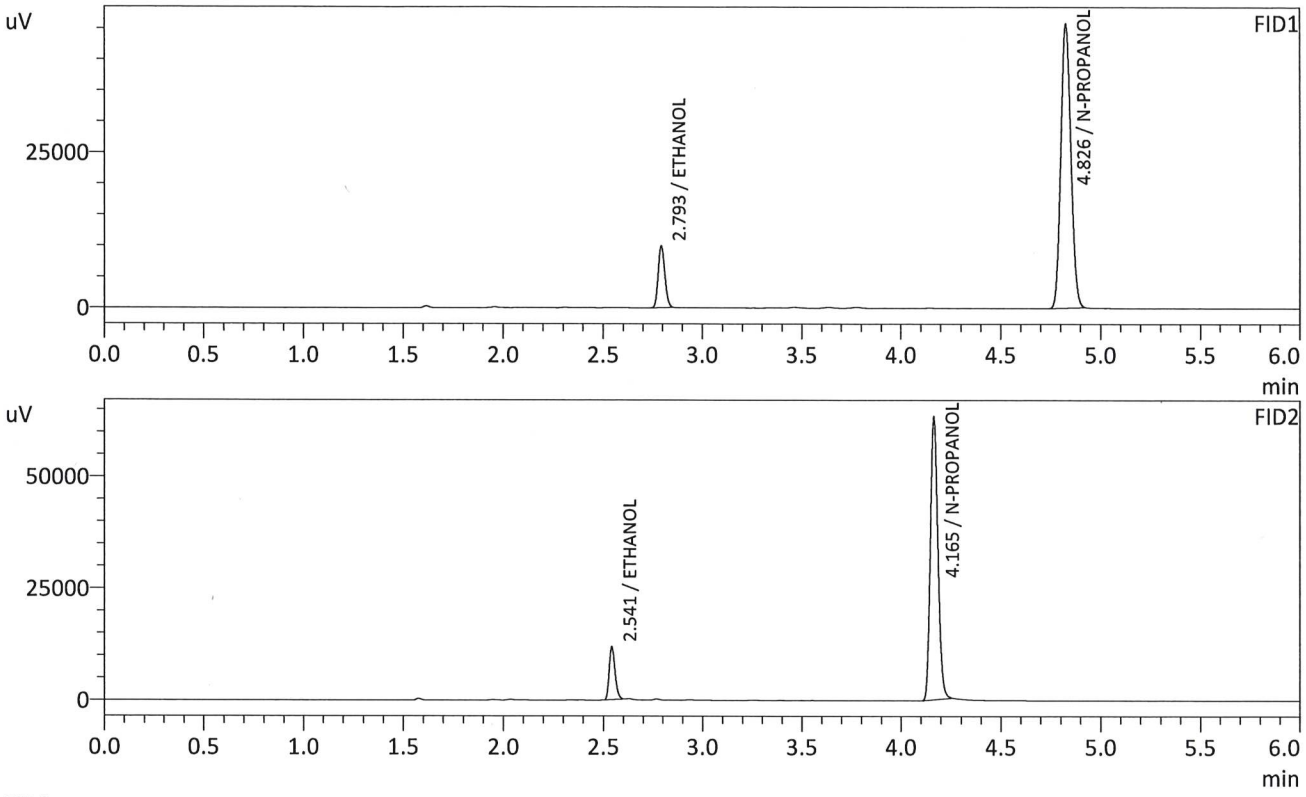


FID1

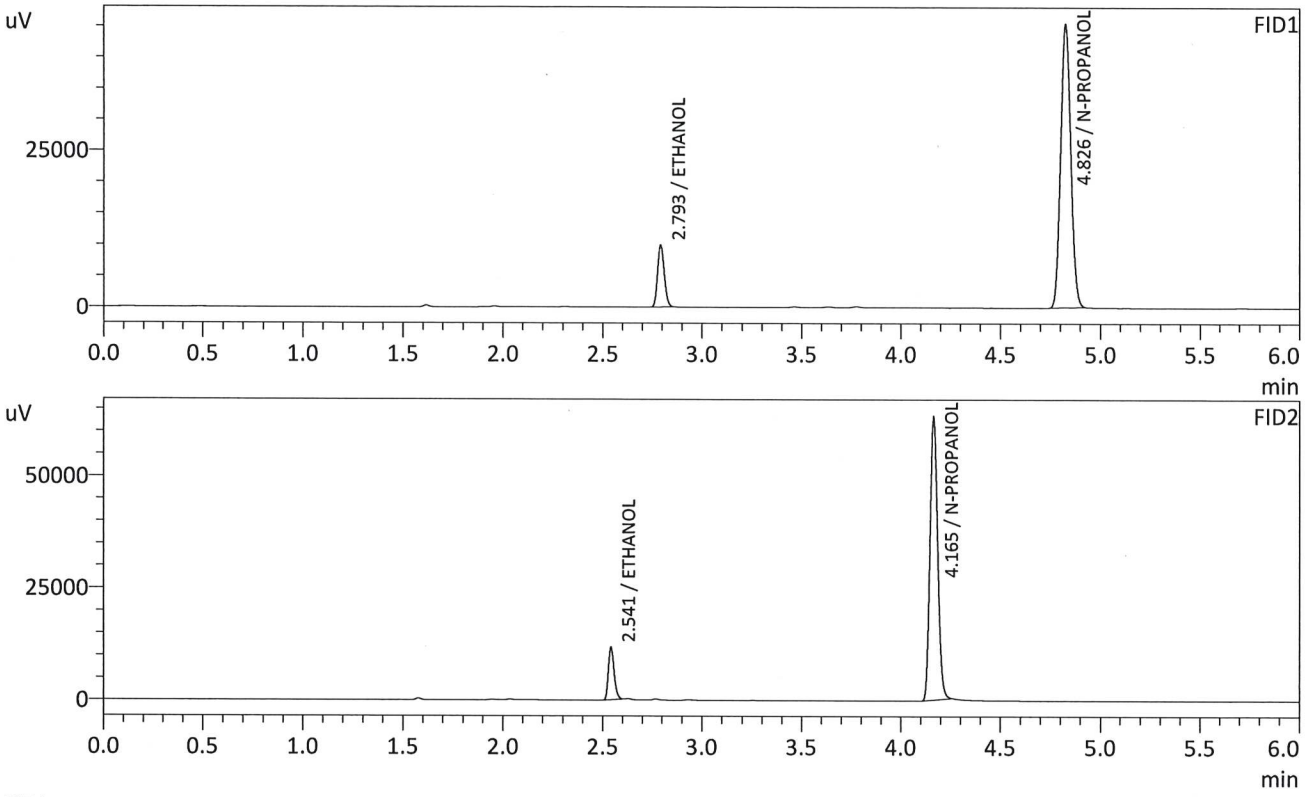
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0706	g/100cc	23143	9935
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159699	45588
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0702	g/100cc	23644	11783
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167663	63177
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-1-B
Vial # : 5
Data Filename : QC1-1-B_10192022_005.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 10:32:43 AM
Date Processed : 10/20/2022 7:53:05 AM
C:\LabSolutions\Data\2022\10-17-22 TS\10-19-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0706	g/100cc	23053	9894
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159095	45226
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0702	g/100cc	23558	11706
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167144	63098
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.08 QA **Item #** **Analysis Date(s): 10/19/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0788	0.0782	0.0006	0.0785	0.0000	0.0785
(g/100cc)	0.0788	0.0783	0.0005	0.0785		

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%**

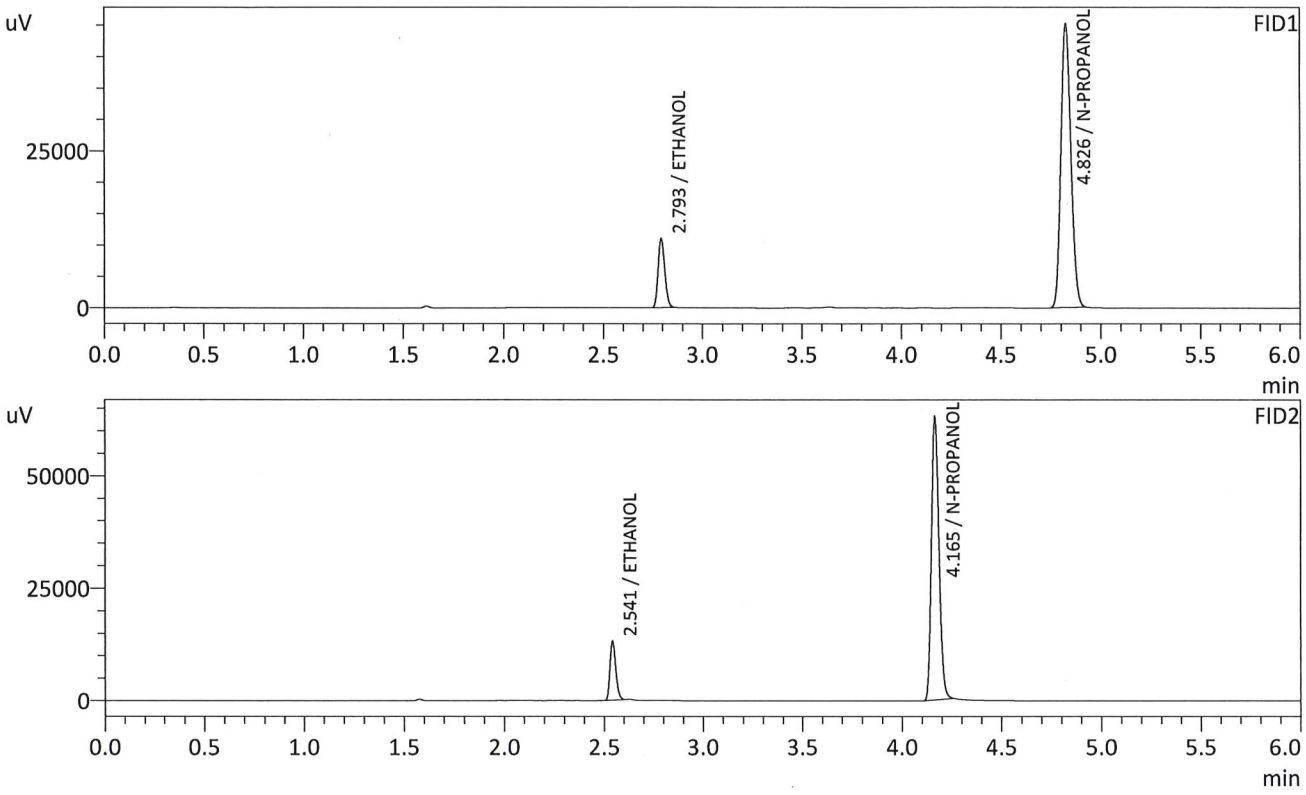
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

TS

Sample Name : 0.08 QA - A
Vial # : 6
Data Filename : 0.08 QA - A_10192022_006.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 10:42:01 AM
Date Processed : 10/20/2022 7:53:06 AM
C:\LabSolutions\Data\2022\10-17-22 TS\10-19-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0788	g/100cc	25642	11004
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158626	45050
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0782	g/100cc	26313	13096
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166556	62971
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : 0.08 QA - B
Vial # : 7
Data Filename : 0.08 QA - B_10192022_007.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 10:51:45 AM
Date Processed : 10/20/2022 7:53:07 AM
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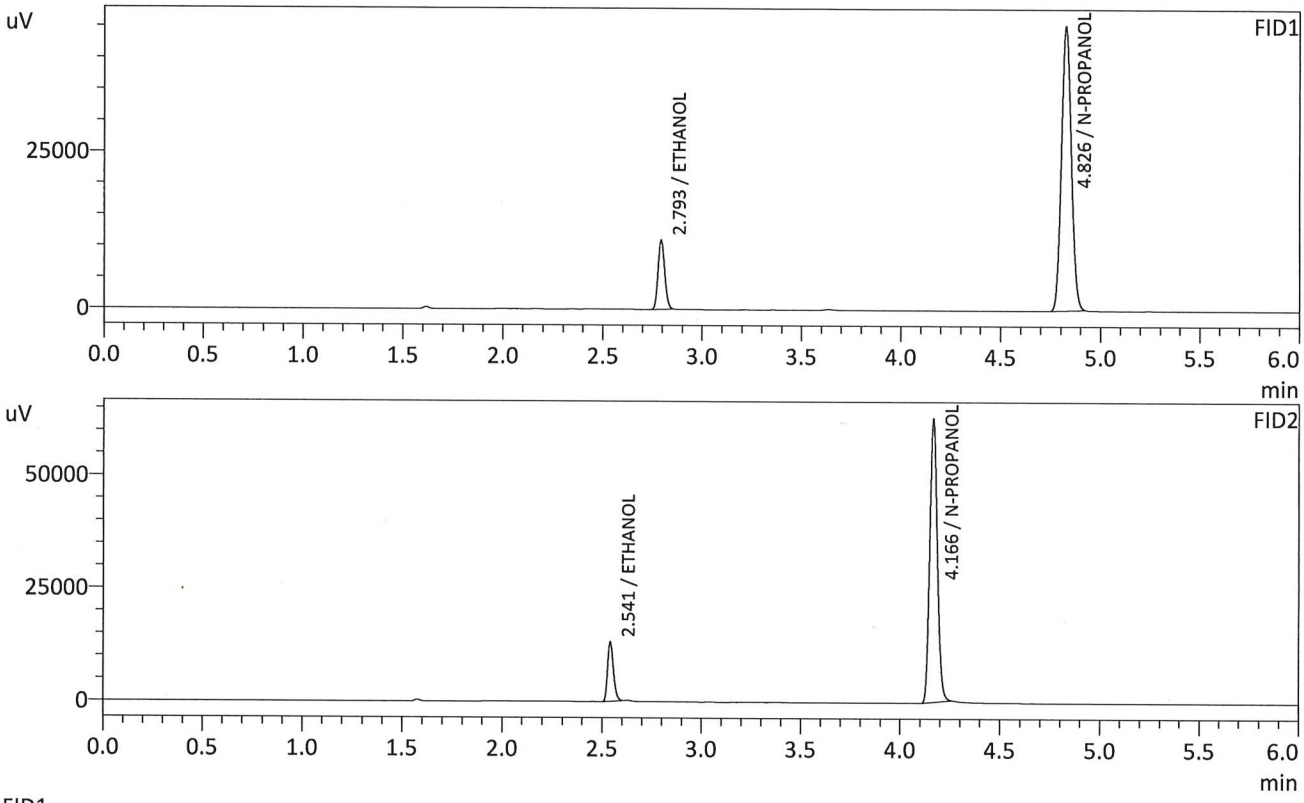

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0788	g/100cc	25619	10997
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158378	45140
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0783	g/100cc	26300	13069
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166412	62794
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Item #** **Analysis Date(s): 10/19/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2101	0.2121	0.0020	0.2111	0.0015	0.2118
(g/100cc)	0.2115	0.2137	0.0022	0.2126		

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
0.211	**0.200**	**0.222**	**0.011**

	Reported Result	
	0.211	

Calibration and control data are stored centrally.

TS

Sample Name : QC2-1-A
Vial # : 26
Data Filename : QC2-1-A_10192022_026.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 1:52:37 PM
Date Processed : 10/20/2022 7:53:29 AM
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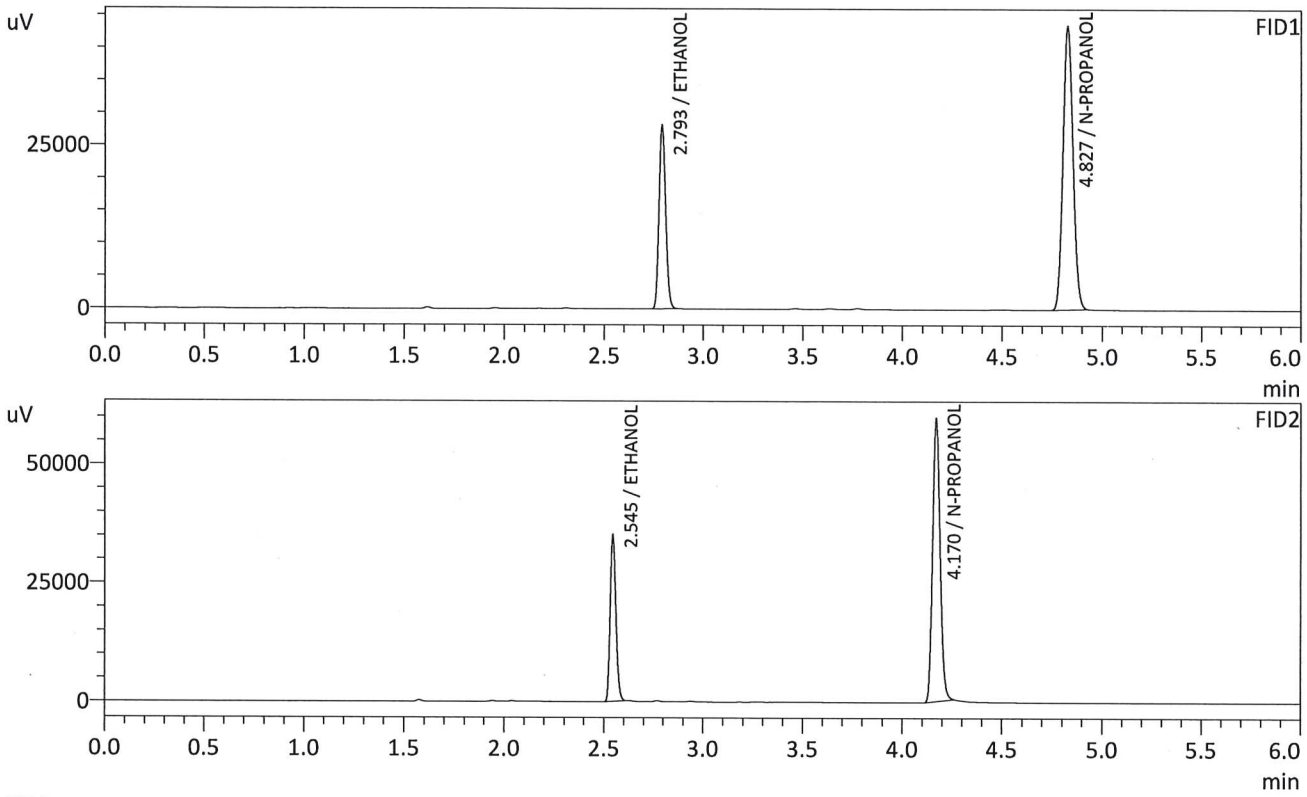

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2101	g/100cc	65622	28107
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152243	43484
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2121	g/100cc	69673	34860
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158046	59575
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC2-1-B
Vial # : 27
Data Filename : QC2-1-B_10192022_027.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 2:01:55 PM
Date Processed : 10/20/2022 7:53:31 AM
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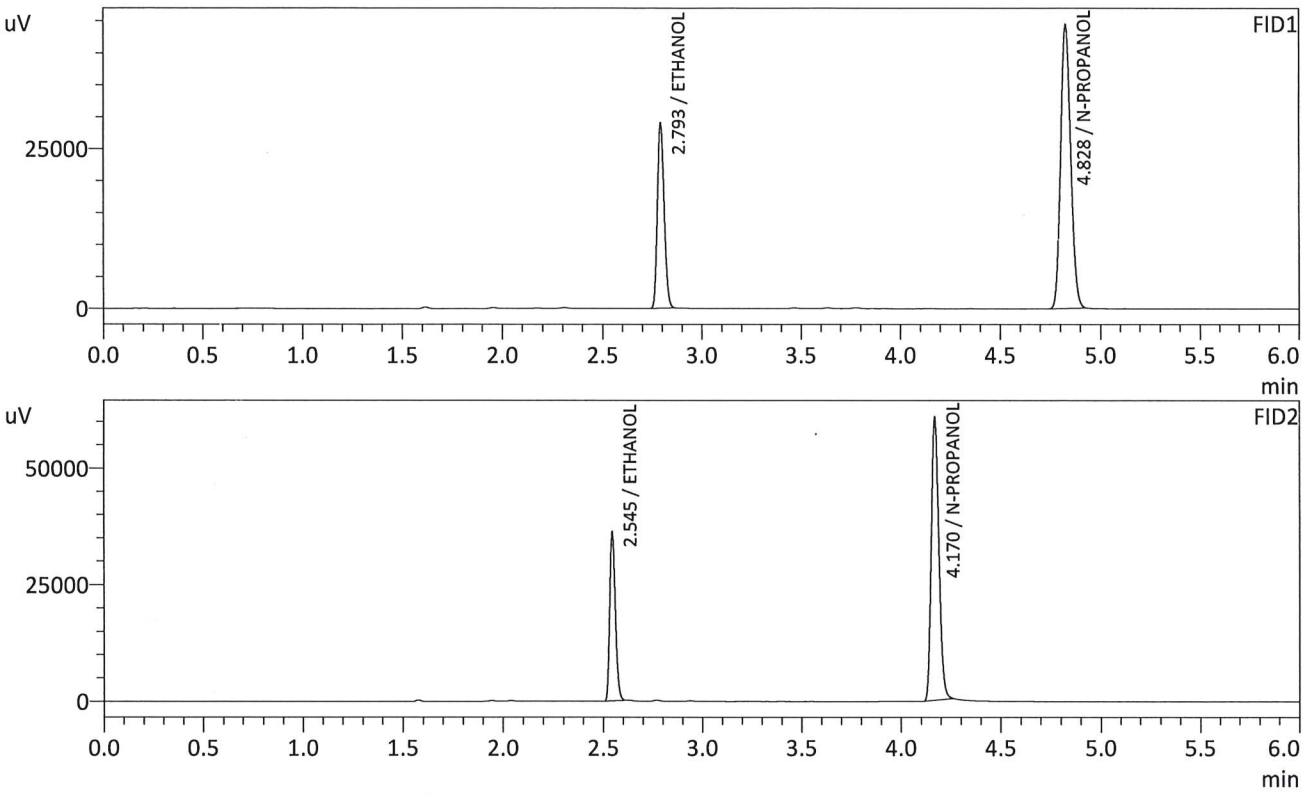

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2115	g/100cc	67488	28933
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155506	44380
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2137	g/100cc	71670	35958
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161364	60658
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Item #** **Analysis Date(s): 10/19/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0775	0.0796	0.0021	0.0785	0.0004	0.0787
(g/100cc)	0.0780	0.0798	0.0018	0.0789		

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
0.078	**0.074**	**0.082**	**0.004**

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

15

Sample Name : QC1-2-A
Vial # : 48
Data Filename : QC1-2-A_10192022_048.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 5:21:46 PM
Date Processed : 10/20/2022 7:53:54 AM
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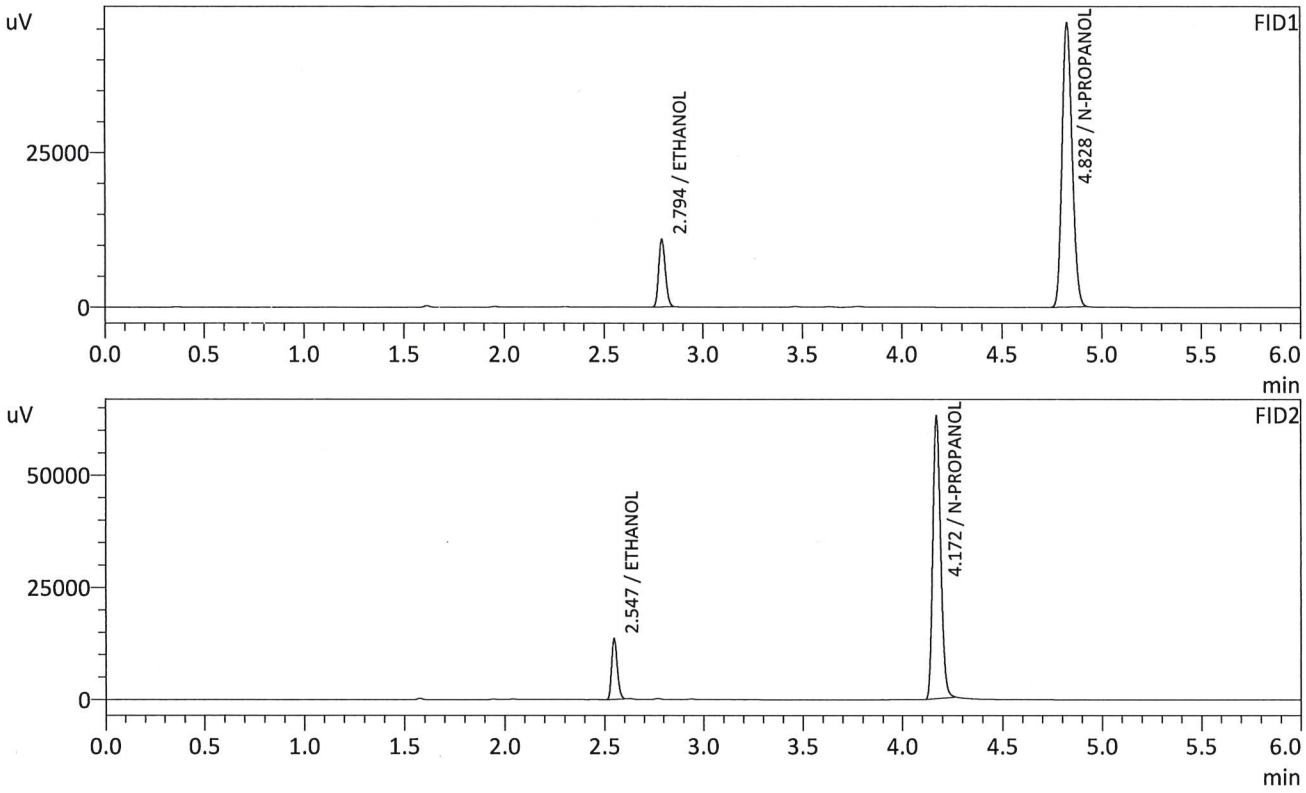

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0775	g/100cc	25618	10928
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161081	45991
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0796	g/100cc	27001	13447
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167928	62553
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-2-B
Vial # : 49
Data Filename : QC1-2-B_10192022_049.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 5:31:34 PM
Date Processed : 10/20/2022 7:53:55 AM
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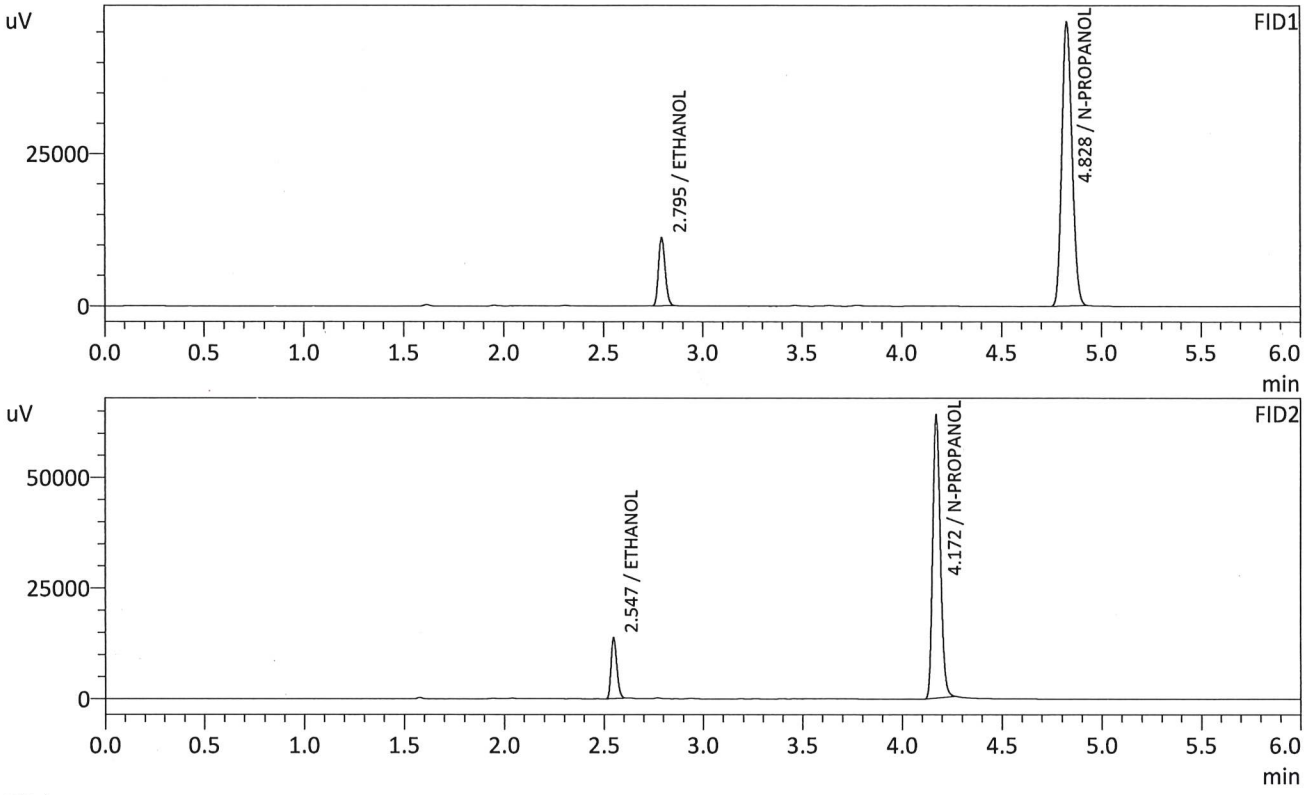

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0780	g/100cc	26152	11134
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163302	46627
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0798	g/100cc	27505	13663
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170655	63602
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-2 **Item #** **Analysis Date(s): 10/19/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2188	0.2204	0.0016	0.2196	0.0026	0.2209
(g/100cc)	0.2216	0.2228	0.0012	0.2222		

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
0.220	**0.209**	**0.231**	**0.011**

Reported Result
0.220

Calibration and control data are stored centrally.

TS

Sample Name : QC2-2-A
Vial # : 52
Data Filename : QC2-2-A_10192022_052.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 6:00:07 PM
Date Processed : 10/20/2022 7:53:59 AM
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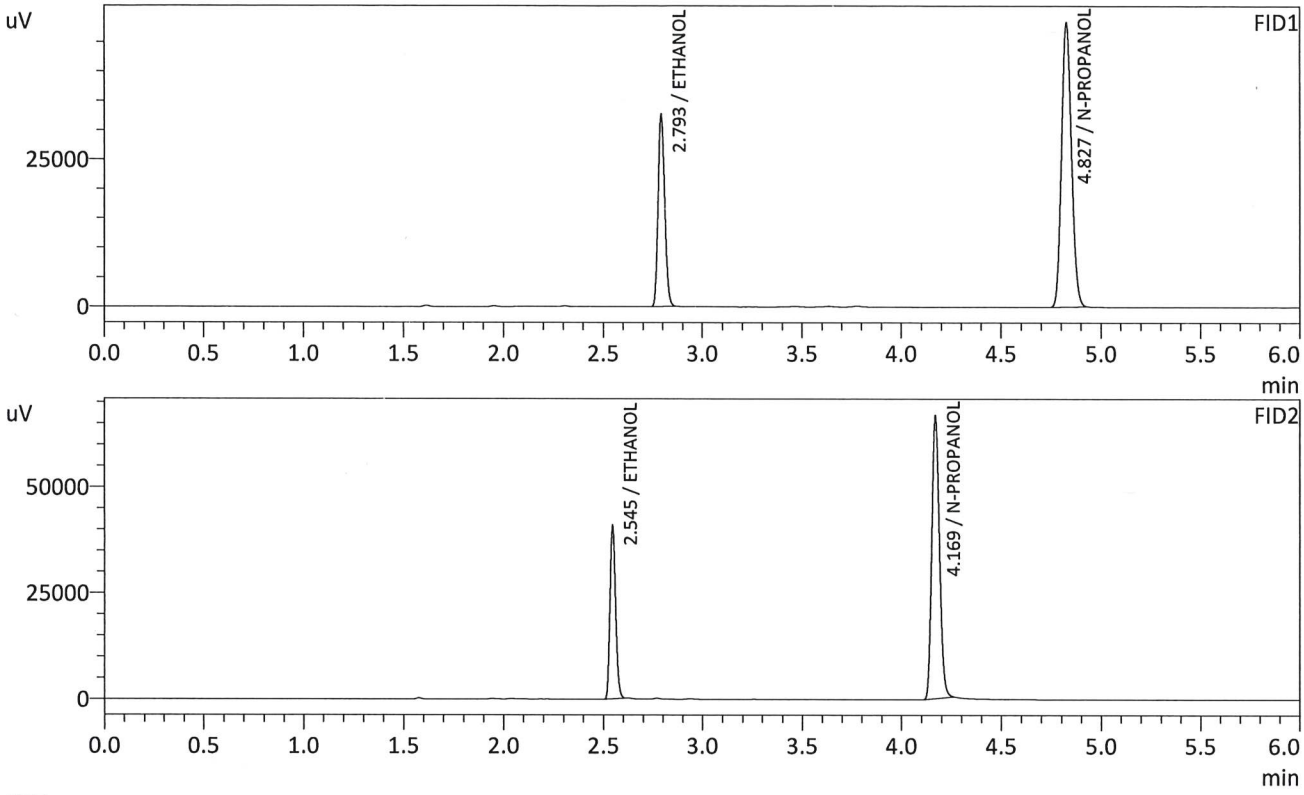

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2188	g/100cc	75977	32575
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169278	48246
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2204	g/100cc	80943	40599
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176593	66517
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC2-2-B
Vial # : 53
Data Filename : QC2-2-B_10192022_053.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 6:09:35 PM
Date Processed : 10/20/2022 7:54:00 AM
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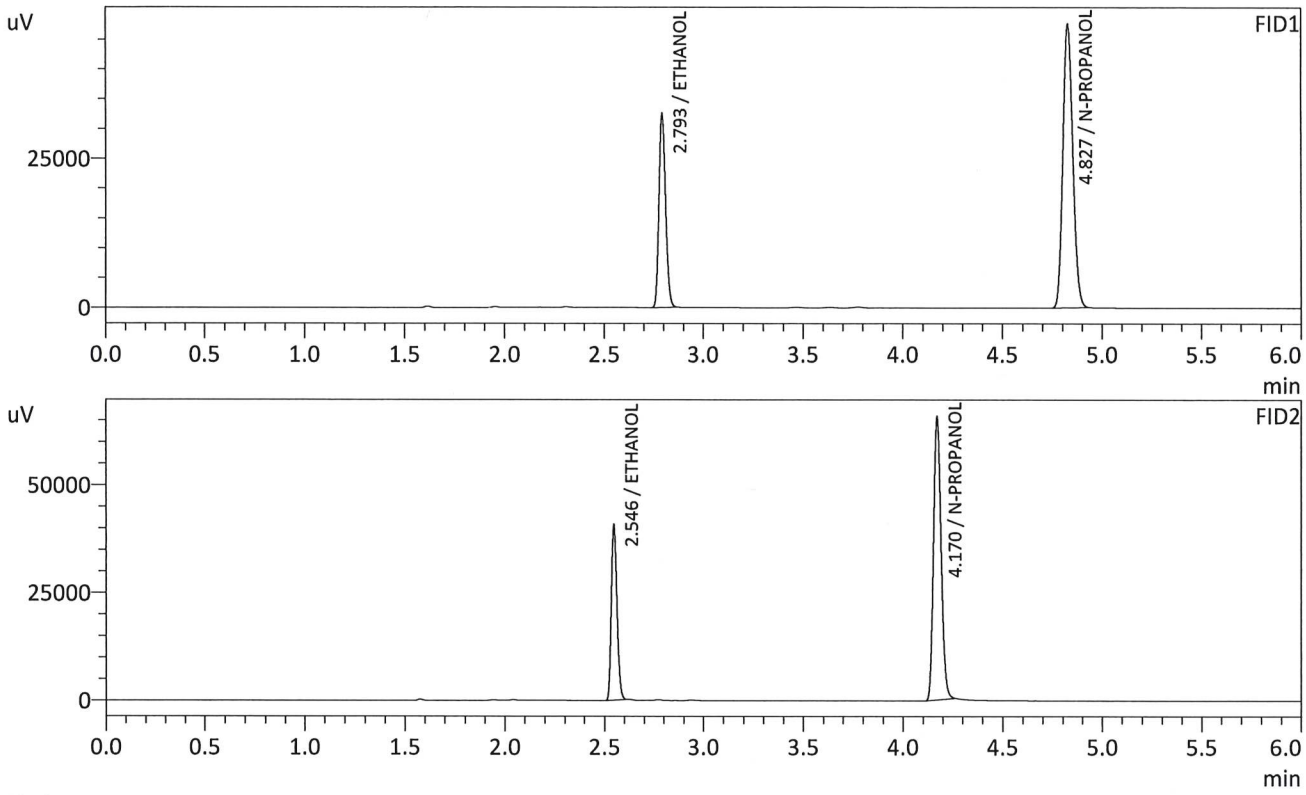


FID1

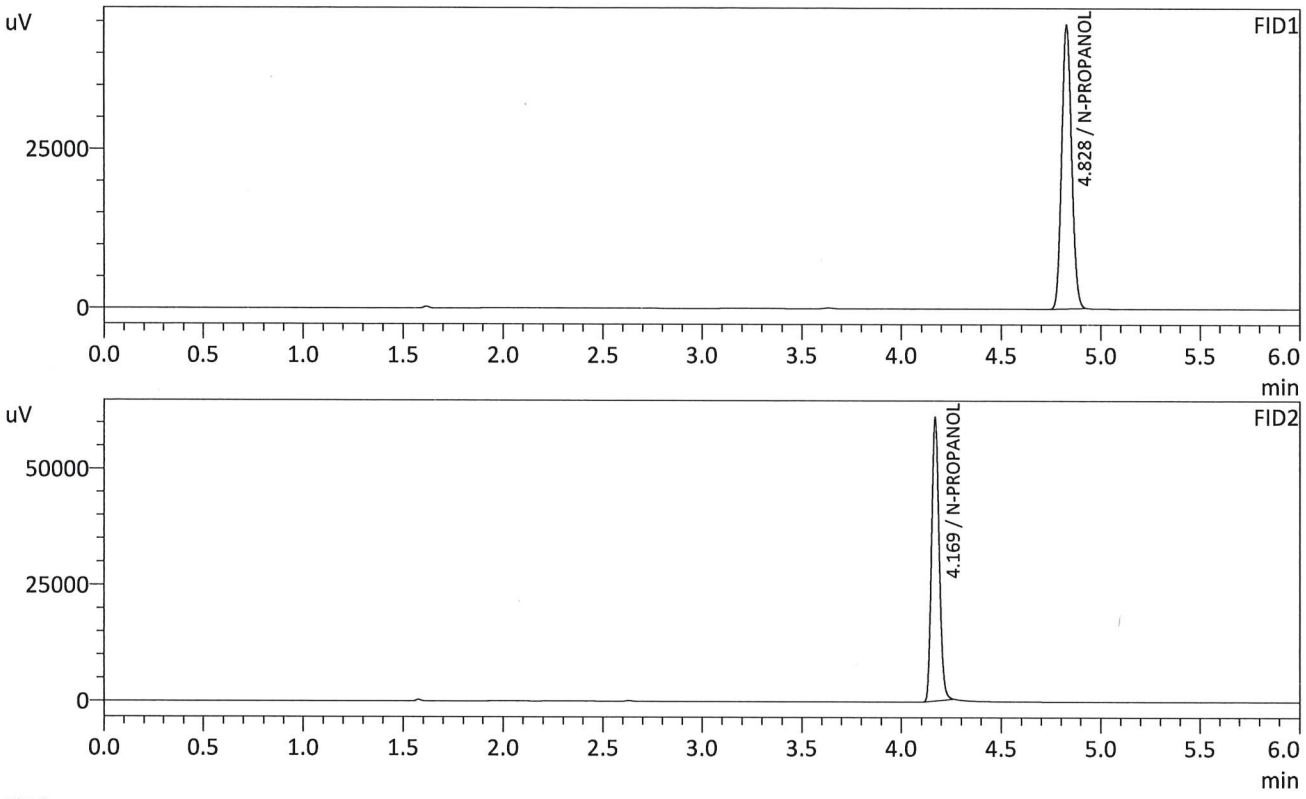
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2216	g/100cc	75808	32486
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166714	47578
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2228	g/100cc	80521	40658
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173730	65611
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : INT STD BLK 3
Vial # : 54
Data Filename : INT STD BLK 3_10192022_054.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 6:18:52 PM
Date Processed : 10/20/2022 7:54:01 AM
C:\LabSolutions\Data\2022\10-17-22 TS\10-19-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155094	44513
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161728	60936
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : DFE
Vial # : 55
Data Filename : DFE_10192022_055.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 6:28:41 PM
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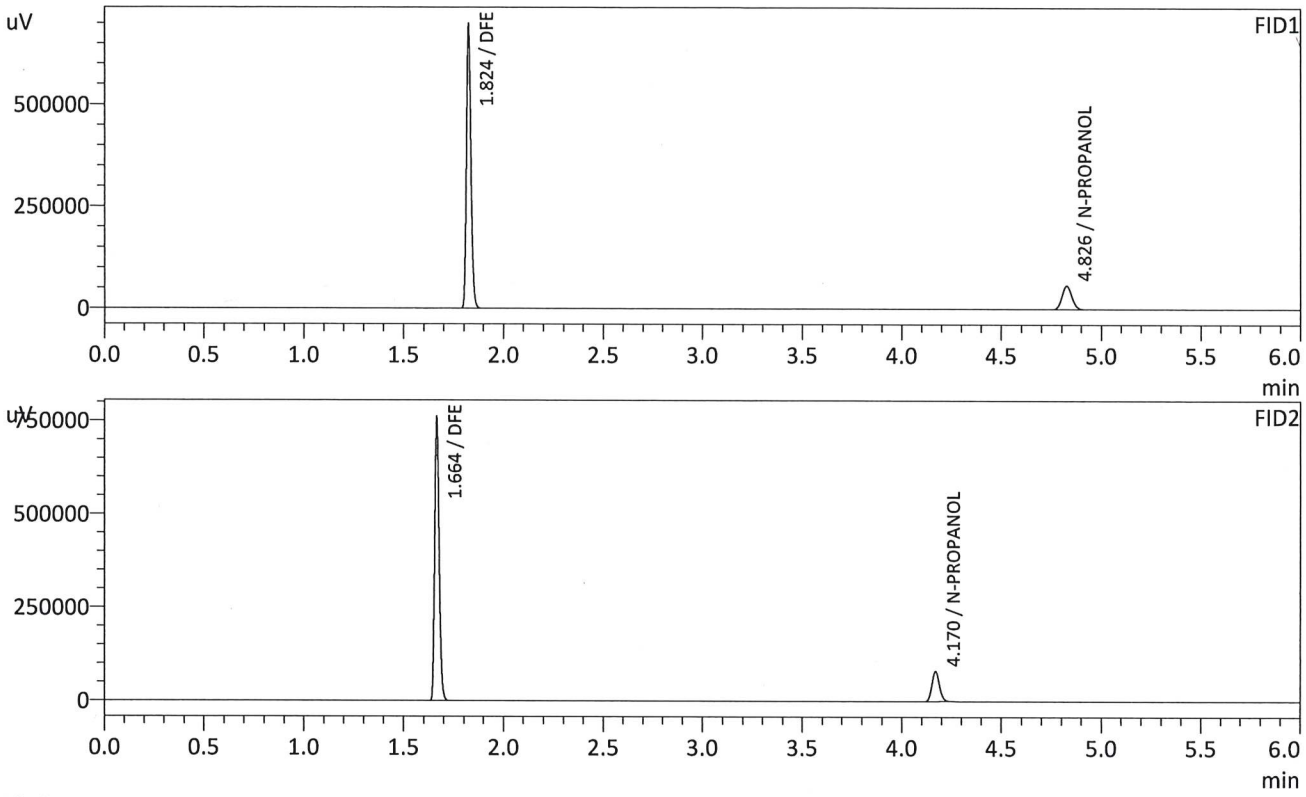

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199858	57476
DFE	0.0000	g/100cc	1113651	688478
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	211653	80750
DFE	0.0000	g/100cc	1187841	755702
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 4
Vial # : 56
Data Filename : INT STD BLK 4_10192022_056.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 10-19-22 TS.gcb
Date Acquired : 10/19/2022 6:38:07 PM
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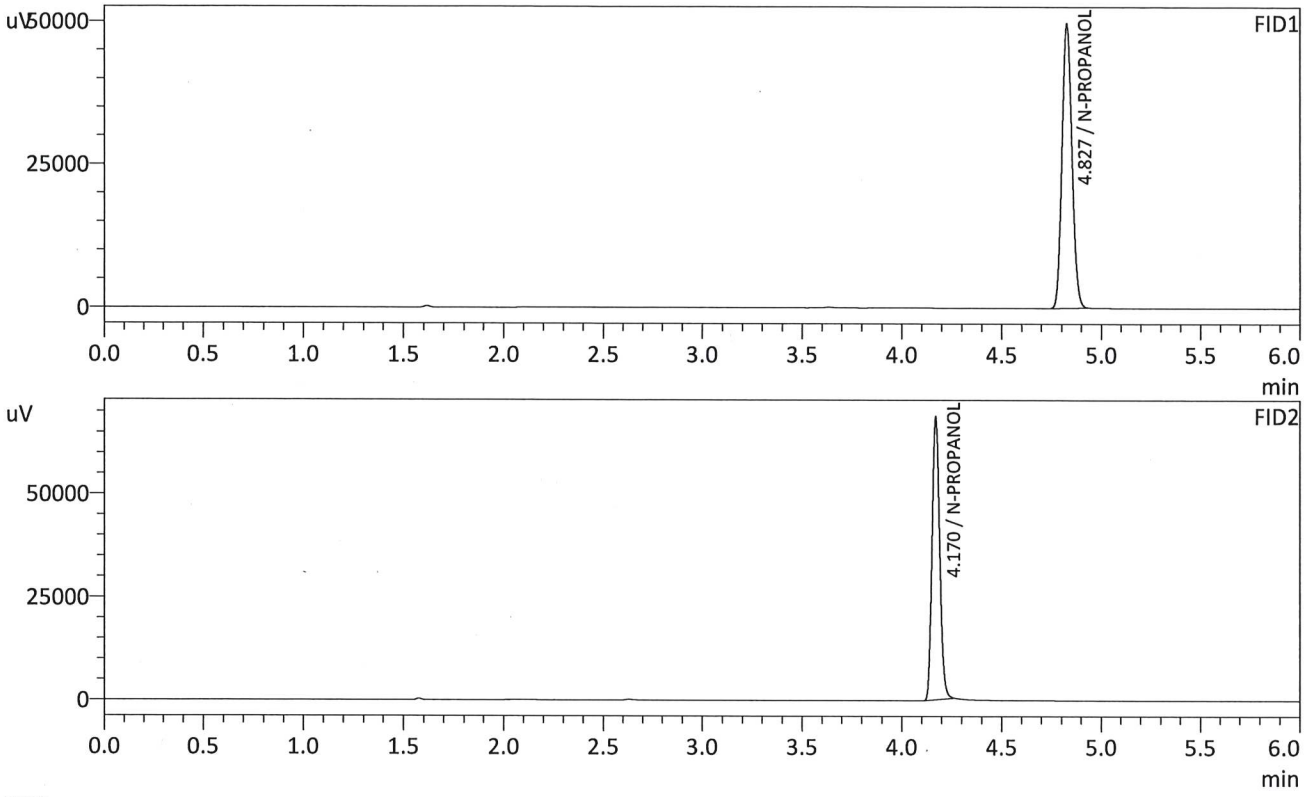

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173967	49625
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181817	68568
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

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_10192022_001.gcd	0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_10192022_002.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_10192022_003.gcd	0
4	QC1-1-A	0:Unknown	ALCOHOL.gcm	QC1-1-A_10192022_004.gcd	0
5	QC1-1-B	0:Unknown	ALCOHOL.gcm	QC1-1-B_10192022_005.gcd	0
6	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_10192022_006.gcd	0
7	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_10192022_007.gcd	0
8	P2022-3124-1-A	0:Unknown	ALCOHOL.gcm	P2022-3124-1-A_10192022_008.gcd	0
9	P2022-3124-1-B	0:Unknown	ALCOHOL.gcm	P2022-3124-1-B_10192022_009.gcd	0
10	P2022-3131-1-A	0:Unknown	ALCOHOL.gcm	P2022-3131-1-A_10192022_010.gcd	0
11	P2022-3131-1-B	0:Unknown	ALCOHOL.gcm	P2022-3131-1-B_10192022_011.gcd	0
12	P2022-3135-1-A	0:Unknown	ALCOHOL.gcm	P2022-3135-1-A_10192022_012.gcd	0
13	P2022-3135-1-B	0:Unknown	ALCOHOL.gcm	P2022-3135-1-B_10192022_013.gcd	0
14	P2022-3136-1-A	0:Unknown	ALCOHOL.gcm	P2022-3136-1-A_10192022_014.gcd	0
15	P2022-3136-1-B	0:Unknown	ALCOHOL.gcm	P2022-3136-1-B_10192022_015.gcd	0
16	P2022-3141-1-A	0:Unknown	ALCOHOL.gcm	P2022-3141-1-A_10192022_016.gcd	0
17	P2022-3141-1-B	0:Unknown	ALCOHOL.gcm	P2022-3141-1-B_10192022_017.gcd	0
18	P2022-3142-1-A	0:Unknown	ALCOHOL.gcm	P2022-3142-1-A_10192022_018.gcd	0
19	P2022-3142-1-B	0:Unknown	ALCOHOL.gcm	P2022-3142-1-B_10192022_019.gcd	0
20	P2022-3144-1-A	0:Unknown	ALCOHOL.gcm	P2022-3144-1-A_10192022_020.gcd	0
21	P2022-3144-1-B	0:Unknown	ALCOHOL.gcm	P2022-3144-1-B_10192022_021.gcd	0
22	P2022-3170-1-A	0:Unknown	ALCOHOL.gcm	P2022-3170-1-A_10192022_022.gcd	0
23	P2022-3170-1-B	0:Unknown	ALCOHOL.gcm	P2022-3170-1-B_10192022_023.gcd	0
24	P2022-3172-1-A	0:Unknown	ALCOHOL.gcm	P2022-3172-1-A_10192022_024.gcd	0
25	P2022-3172-1-B	0:Unknown	ALCOHOL.gcm	P2022-3172-1-B_10192022_025.gcd	0
26	QC2-1-A	0:Unknown	ALCOHOL.gcm	QC2-1-A_10192022_026.gcd	0
27	QC2-1-B	0:Unknown	ALCOHOL.gcm	QC2-1-B_10192022_027.gcd	0
28	P2022-3173-1-A	0:Unknown	ALCOHOL.gcm	P2022-3173-1-A_10192022_028.gcd	0
29	P2022-3173-1-B	0:Unknown	ALCOHOL.gcm	P2022-3173-1-B_10192022_029.gcd	0
30	P2022-3174-1-A	0:Unknown	ALCOHOL.gcm	P2022-3174-1-A_10192022_030.gcd	0
31	P2022-3174-1-B	0:Unknown	ALCOHOL.gcm	P2022-3174-1-B_10192022_031.gcd	0
32	P2022-3177-1-A	0:Unknown	ALCOHOL.gcm	P2022-3177-1-A_10192022_032.gcd	0
33	P2022-3177-1-B	0:Unknown	ALCOHOL.gcm	P2022-3177-1-B_10192022_033.gcd	0
34	P2022-3179-1-A	0:Unknown	ALCOHOL.gcm	P2022-3179-1-A_10192022_034.gcd	0
35	P2022-3179-1-B	0:Unknown	ALCOHOL.gcm	P2022-3179-1-B_10192022_035.gcd	0
36	P2022-3192-1-A	0:Unknown	ALCOHOL.gcm	P2022-3192-1-A_10192022_036.gcd	0
37	P2022-3192-1-B	0:Unknown	ALCOHOL.gcm	P2022-3192-1-B_10192022_037.gcd	0
38	P2022-3206-1-A	0:Unknown	ALCOHOL.gcm	P2022-3206-1-A_10192022_038.gcd	0
39	P2022-3206-1-B	0:Unknown	ALCOHOL.gcm	P2022-3206-1-B_10192022_039.gcd	0
40	P2022-3207-1-A	0:Unknown	ALCOHOL.gcm	P2022-3207-1-A_10192022_040.gcd	0
41	P2022-3207-1-B	0:Unknown	ALCOHOL.gcm	P2022-3207-1-B_10192022_041.gcd	0
42	P2022-3222-1-A	0:Unknown	ALCOHOL.gcm	P2022-3222-1-A_10192022_042.gcd	0
43	P2022-3222-1-B	0:Unknown	ALCOHOL.gcm	P2022-3222-1-B_10192022_043.gcd	0
44	P2022-3223-1-A	0:Unknown	ALCOHOL.gcm	P2022-3223-1-A_10192022_044.gcd	0
45	P2022-3223-1-B	0:Unknown	ALCOHOL.gcm	P2022-3223-1-B_10192022_045.gcd	0
46	P2022-3232-1-A	0:Unknown	ALCOHOL.gcm	P2022-3232-1-A_10192022_046.gcd	0
47	P2022-3232-1-B	0:Unknown	ALCOHOL.gcm	P2022-3232-1-B_10192022_047.gcd	0
48	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_10192022_048.gcd	0
49	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_10192022_049.gcd	0
50	P2022-3234-1-A	0:Unknown	ALCOHOL.gcm	P2022-3234-1-A_10192022_050.gcd	0
51	P2022-3234-1-B	0:Unknown	ALCOHOL.gcm	P2022-3234-1-B_10192022_051.gcd	0
52	QC2-2-A	0:Unknown	ALCOHOL.gcm	QC2-2-A_10192022_052.gcd	0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC2-2-B	0:Unknown	ALCOHOL.gcm	QC2-2-B_10192022_053.gcd	0
54	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_10192022_054.gcd	0
55	DFE	0:Unknown	ALCOHOL.gcm	DFE_10192022_055.gcd	0
56	INT STD BLK 4	0:Unknown	ALCOHOL.gcm	INT STD BLK 4_10192022_056.gcd	0

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Idaho State Police
Forensic Services

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): ISP DEV BLA-22-02

Date of Request: 7/29/22

Requestor/Discipline: Melissa (Nikka) Bradley/Blood Alcohol

Analytical Method/Quality Standard, Revision #: **4.3.9.1.3 revision 10**

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc):

Blood alcohol and other volatiles

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual):
4.3.9.1.3 revision 10
Acceptable IS recovery values for samples run with a specific calibration curve must have their FID1 and FID2 IS values fall within +/- 20% of the mean values established in 4.3.9.1.1.

Request to add the word "case" between for and samples so it reads:
"Acceptable IS recovery values for **case** samples run with…"

Technical Justification for Analytical Method Deviations:
This was discussed and agreed upon in previous Alcohol Discipline meetings. This additional clarification will minimize any potential misinterpretations of the requirement.

Technical Review

☒ Departure approved
Comments: This will work for the immediate future until the method can be updated in a permanent manner. This deviation will be in effect until 12/31/2022 when the method will be updated to reflect the new language and understanding of the internal standard monitoring.

☐ Departure Not Approved
Comments:

Approver: Jeremy Johnston Date: 8/3/2022 Jeremy Johnston
Title: Volatiles Analysis Discipline Lead

Quality Review

Quality Approver: Corinna Owsley Corinna C Owsley
Title: Acting Quality Manager
Date: 8/4/2022