REVIEWED
By Tamara Salazar at 12:07 pm, Dec 09, 2022

12/8/2022

Worklist: 6180

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2022-3283	1	BCK	Alcohol Analysis
P2022-3588	1	BCK	Alcohol Analysis
P2022-3591	1	BCK	Alcohol Analysis
P2022-3601	1	BCK	Alcohol Analysis
P2022-3602	1	BCK	Alcohol Analysis
P2022-3604	1	BCK	Alcohol Analysis
P2022-3606	1	BCK	Alcohol Analysis
P2022-3608	1	BCK	Alcohol Analysis
P2022-3614	1	BCK	Alcohol Analysis
P2022-3634	1	BCK	Alcohol Analysis
P2022-3642	1	BCK	Alcohol Analysis
P2022-3646	1	BCK	Alcohol Analysis
P2022-3656	1	BCK	Alcohol Analysis
P2022-3667	1	BCK	Alcohol Analysis
P2022-3683	1	BCK	Alcohol Analysis
P2022-3687	1	BCK	Alcohol Analysis
P2022-3694	1	BCK	Alcohol Analysis
P2022-3699	1	BCK	Alcohol Analysis
P2022-3700	1	BCK	Alcohol Analysis
P2022-3701	1	BCK	Alcohol Analysis
P2022-3715	1	BCK	Alcohol Analysis

Re-running on 12/9/22 RC

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): 12/8/22**

Calibration Date: *(if different)*

Worklist #: 6180

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0729 g/100cc
					0.0790 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2187 g/100cc
					0.2251 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	2024 October	Lot #	FN06041902 OK	
Curve Fit:		Column 1	0.99999	Column2	0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0504	0.0513	0.0009	0.0508
100	0.100	0.090 - 0.110	0.1001	0.1000	1E-04	0.1
200	0.200	0.180 - 0.220	0.1992	0.1985	0.0007	0.1988
300	0.300	0.270 - 0.330	0.2995	0.2988	0.0007	0.2991
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5004	0.5010	0.0006	0.5007

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

Internal Standard Monitoring Worksheet

Worklist #:	6180	Run Date(s):	12/8/22

Internal Standard Solution:	Prep Date:	11/10/2022	Exp Date:	5/10/2023

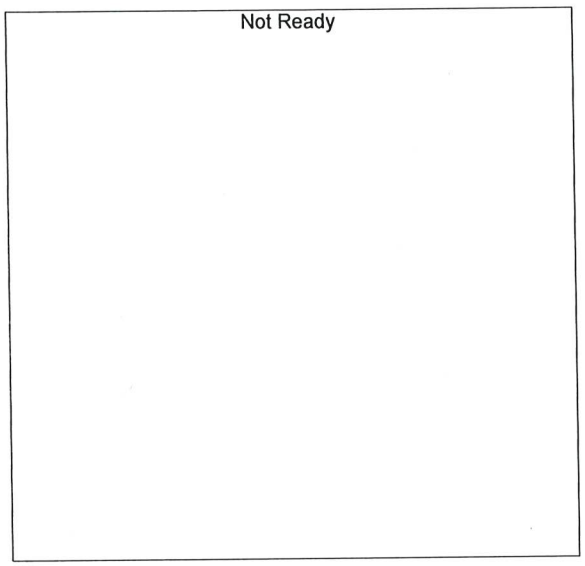
Sample Name	Column 1 Value	Column 2 Value
0.080	159235	167014
0.080	160417	168166
QC1	161160	169099
QC1	161376	169316
QC1	169004	177705
QC1	165643	174349
QC1		
QC1		
QC2	157153	164675
QC2	154420	161596
QC2	166180	174624
QC2	178995	188052
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	163358.3	130686.6	196030.0
Column 2	171459.6	137167.7	205751.5

Calibration Table

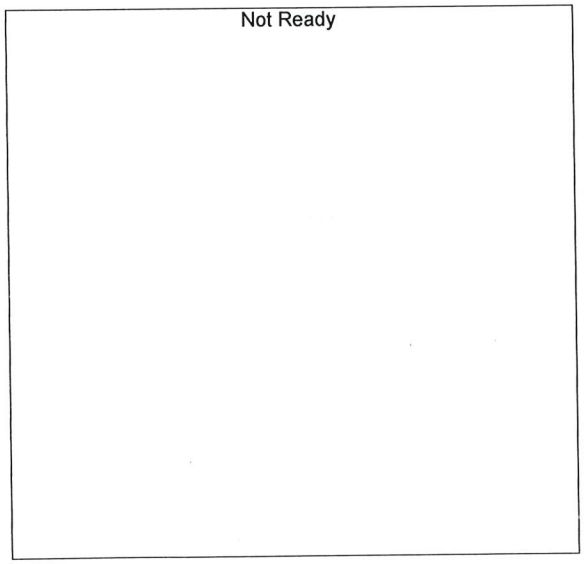
Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Data File>>
Method File :C:\LabSolutions\Data\2022\12-08-22 RC\ALCOHOL.gcm
Batch File :C:\LabSolutions\Data\2022\12-08-22 RC\12-08-22 BATCH.gcb
Date Acquired :12/8/2022 12:49:26 PM
Date Created :12/8/2022 12:46:02 PM
Date Modified :12/9/2022 8:06:26 AM



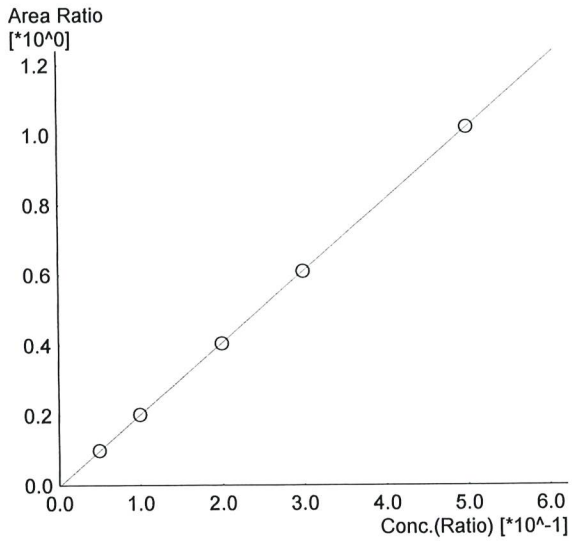
Name : METHANOL
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



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



Name : ETHANOL
Detector Name: FID1
Function : f(x)=2.04735*x-0.00332471
R^2 value= 0.9999908
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15953	0.0504	0.050_1282022_001.gcd
2	0.100	32440	0.1001	0.100_1282022_002.gcd
3	0.200	65363	0.1992	0.200_1282022_003.gcd
4	0.300	98609	0.2995	0.300_1282022_004.gcd
5	0.500	165680	0.5004	0.500_1282022_005.gcd

Not Ready

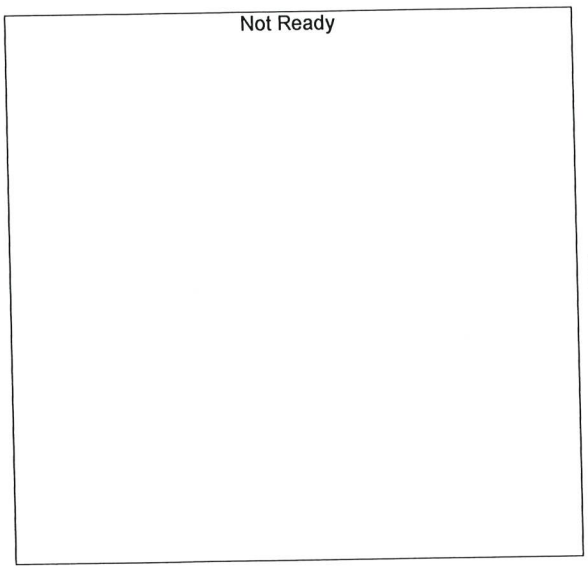
Name : ISOPROPYL ALCOHOL
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

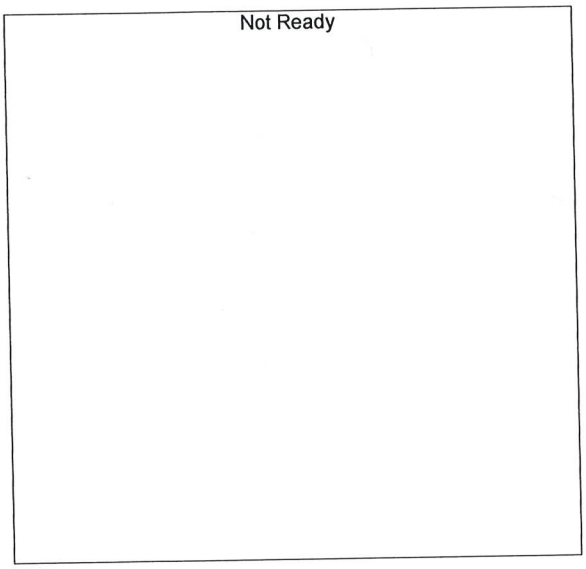
Name : ACETONE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



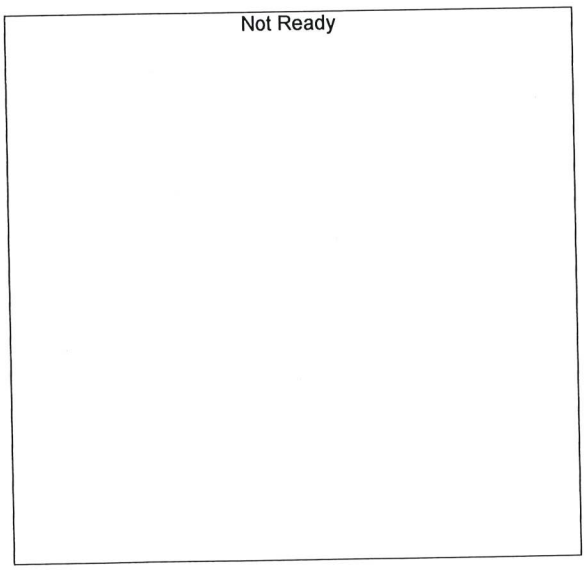
Name : DFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



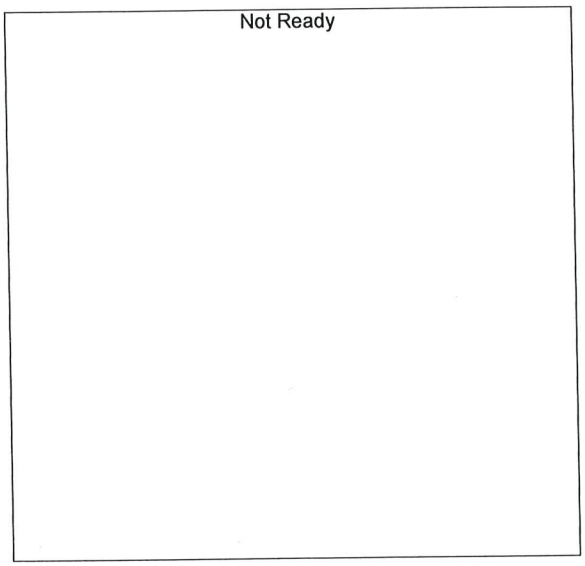
Name : TFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



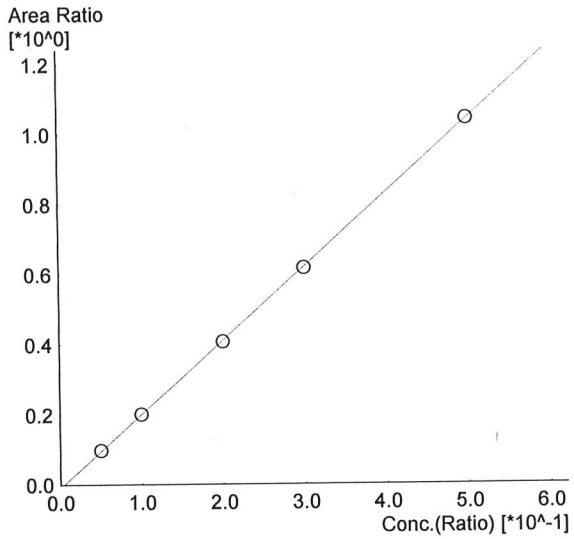
Name : ACETALDEHYDE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



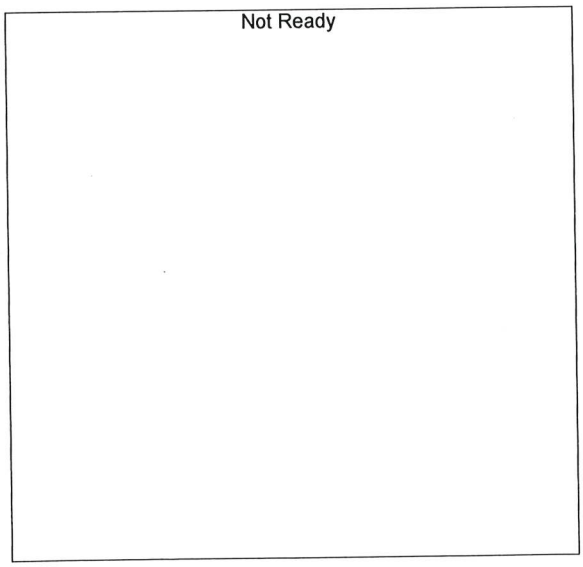
Name : METHANOL
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



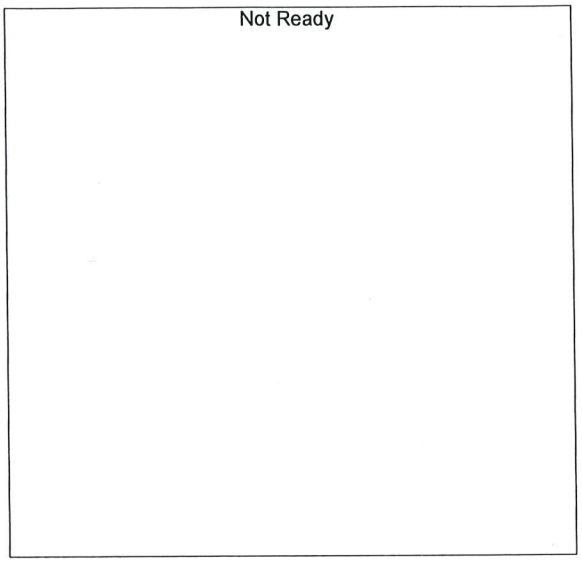
Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.10042*x-0.00965941
R^2 value= 0.9999492
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16359	0.0513	0.050_1282022_001.gcd
2	0.100	33794	0.1000	0.100_1282022_002.gcd
3	0.200	68887	0.1985	0.200_1282022_003.gcd
4	0.300	104539	0.2988	0.300_1282022_004.gcd
5	0.500	176772	0.5010	0.500_1282022_005.gcd



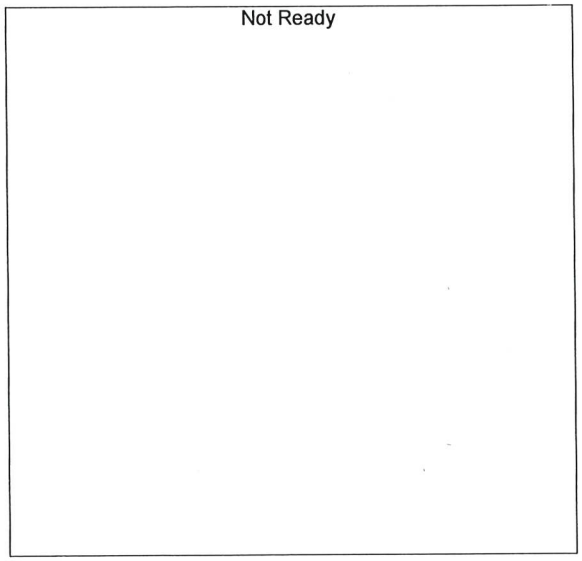
Name : ACETONE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



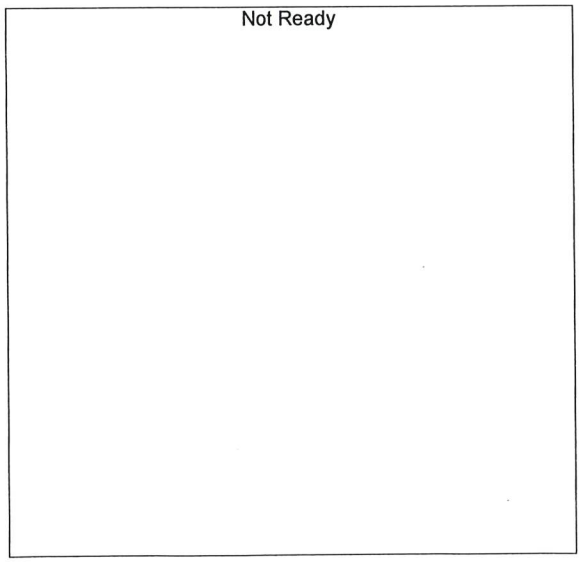
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



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



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

Sample Name : 0.050
Vial # : 1
Data Filename : 0.050_1282022_001.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 12:11:19 PM
Date Processed : 12/9/2022 8:06:20 AM
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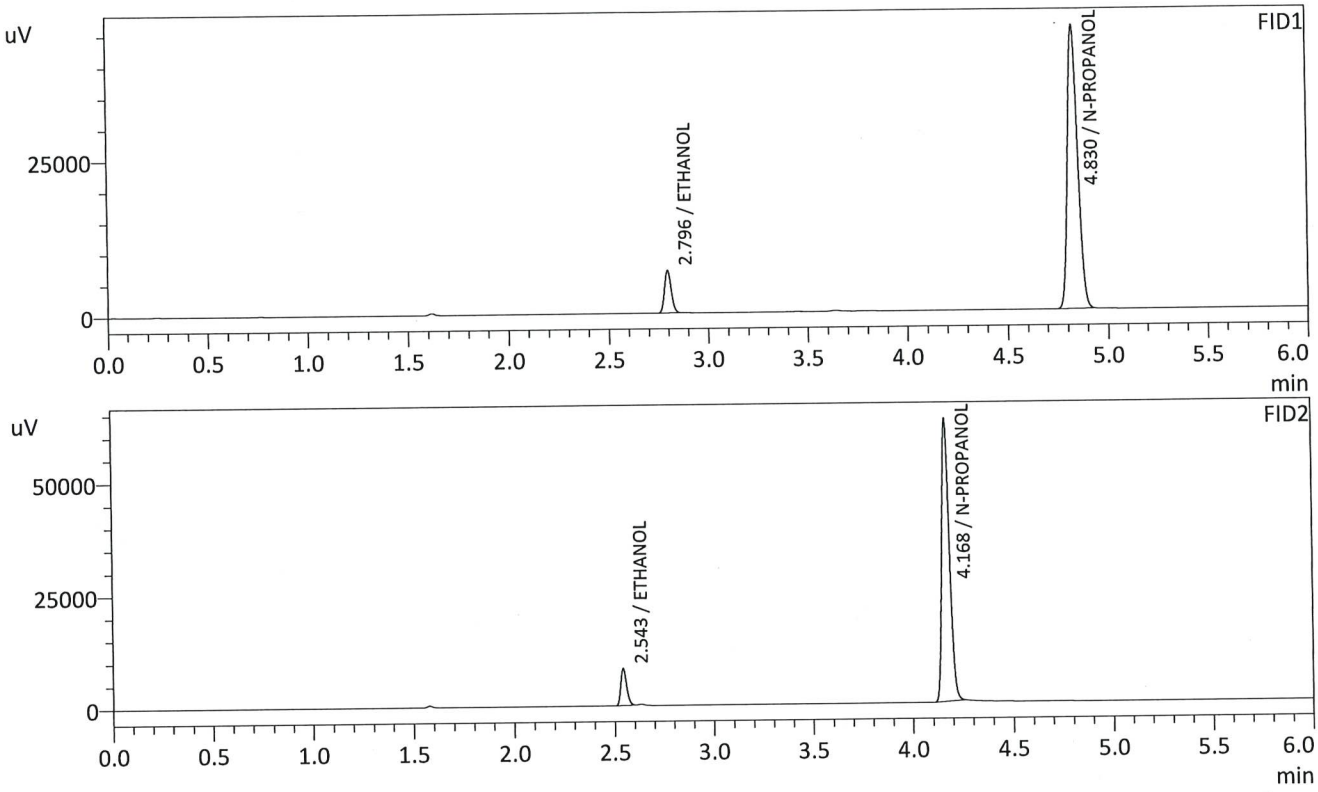


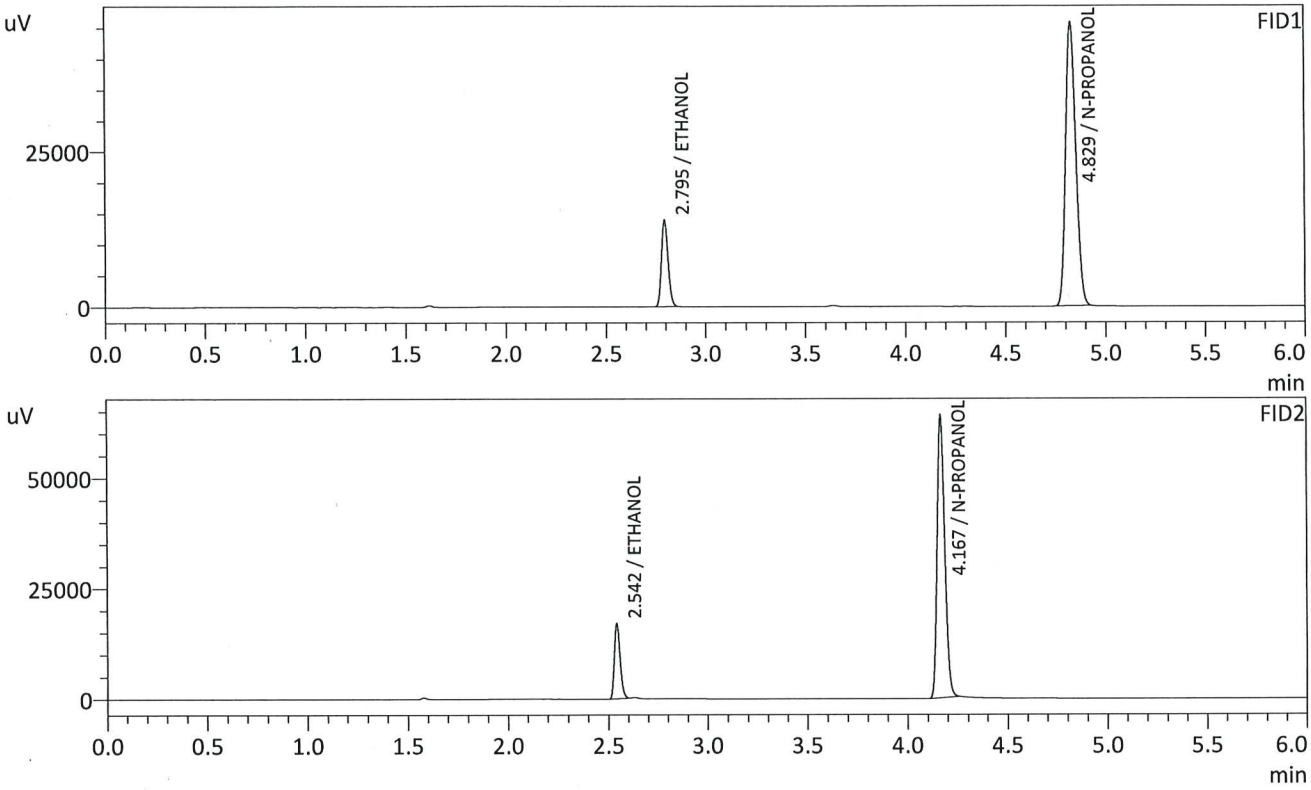
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0504	g/100cc	15953	6749
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159461	45354
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0513	g/100cc	16359	8066
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166471	62301
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.100
Vial # : 2
Data Filename : 0.100_1282022_002.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 12:20:49 PM
Date Processed : 12/9/2022 8:06:22 AM
C:\LabSolutions\Data\2022\12-08-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	32440	13886
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160743	45778
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1000	g/100cc	33794	16990
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168483	63672
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
Vial # : 3
Data Filename : 0.200_1282022_003.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 12:30:10 PM
Date Processed : 12/9/2022 8:06:23 AM
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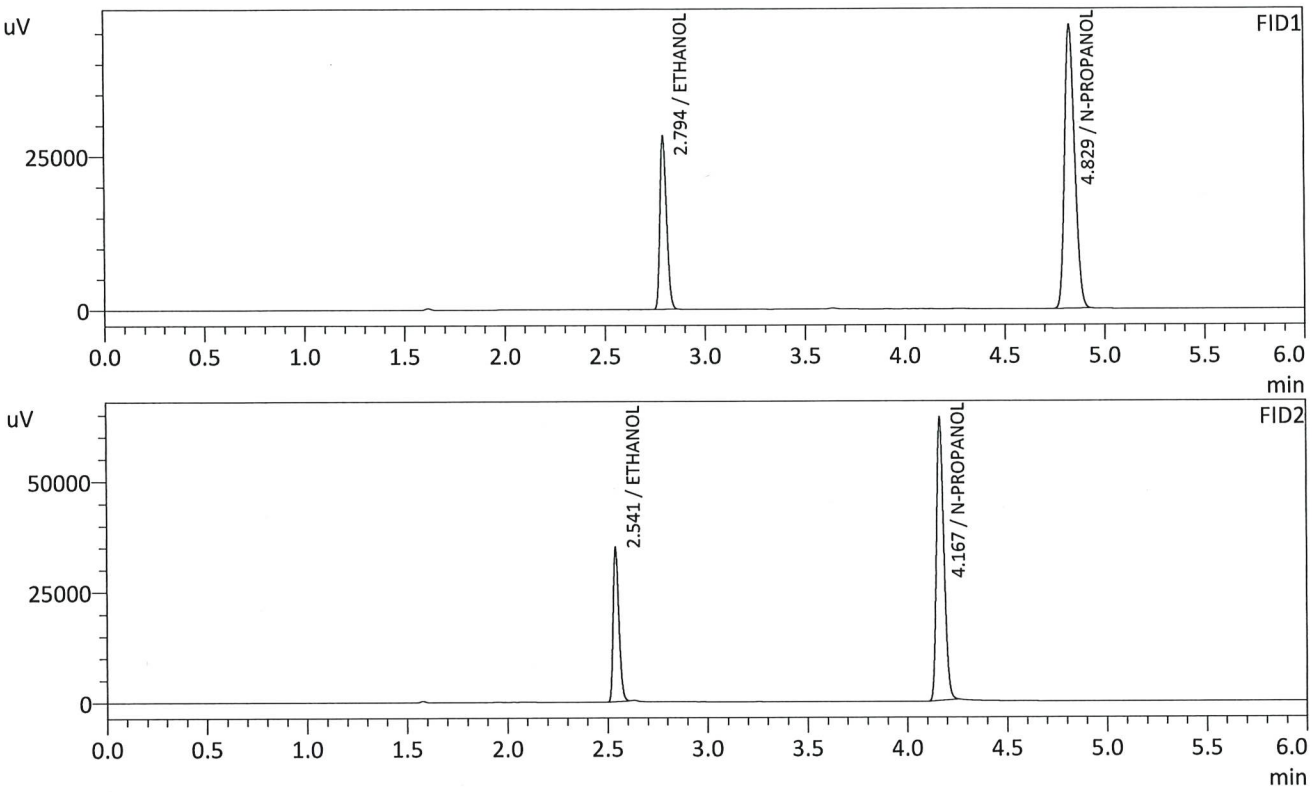

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1992	g/100cc	65363	28118
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161507	46036
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1985	g/100cc	68887	34806
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169102	63562
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
Vial # : 4
Data Filename : 0.300_1282022_004.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 12:39:56 PM
Date Processed : 12/9/2022 8:06:25 AM
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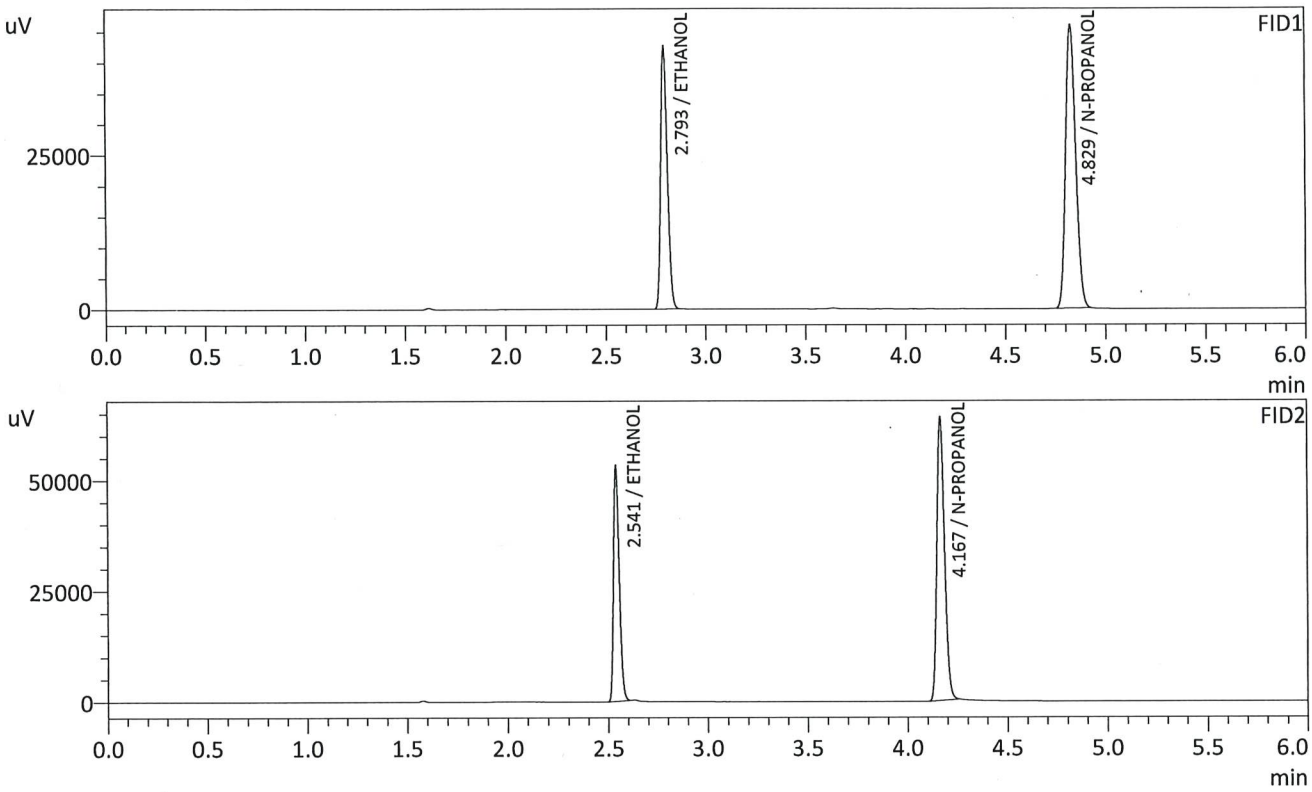

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2995	g/100cc	98609	42575
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161659	45919
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2988	g/100cc	104539	52942
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169126	63506
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
Vial # : 5
Data Filename : 0.500_1282022_005.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 12:49:26 PM
Date Processed : 12/9/2022 8:06:26 AM
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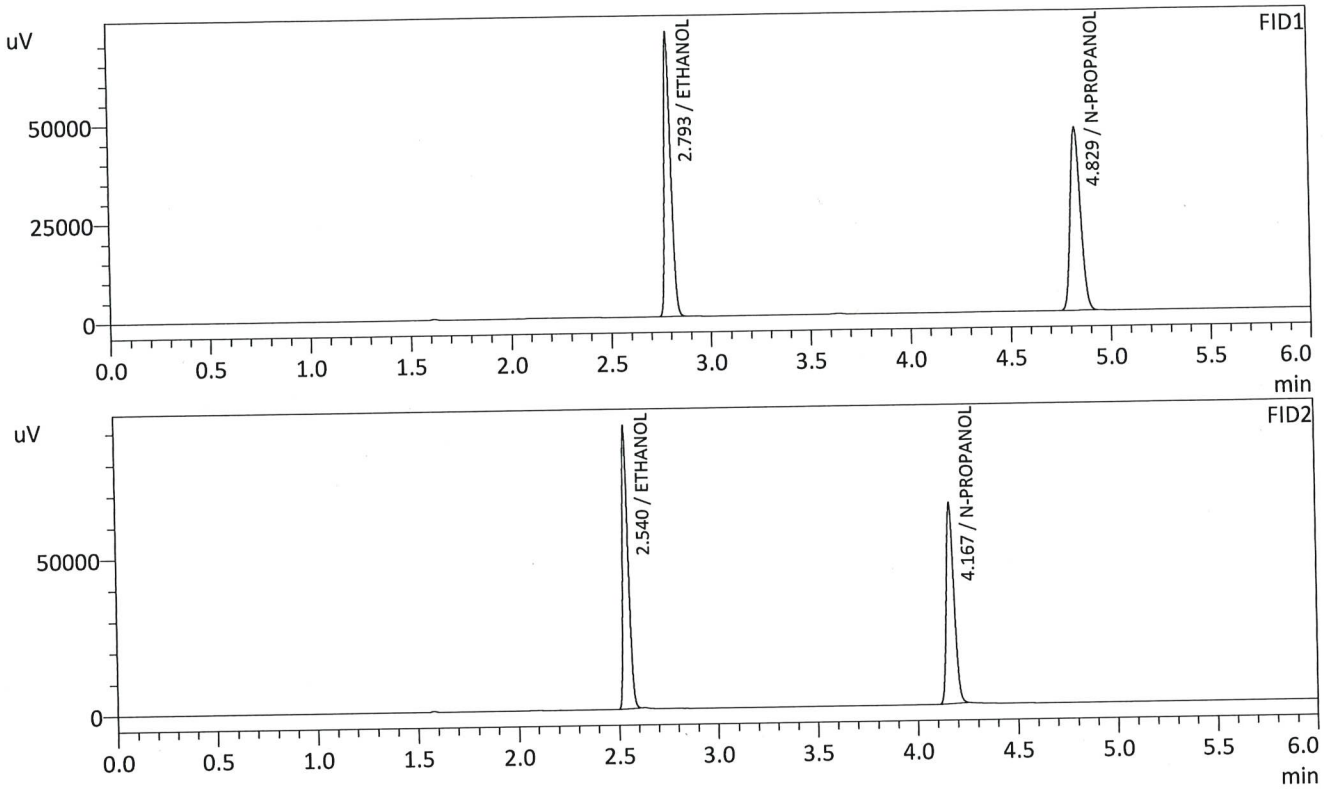

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5004	g/100cc	165680	71690
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162227	46250
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5010	g/100cc	176772	89761
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169508	63949
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1
Vial # : 6
Data Filename : INT STD BLK 1_1282022_006.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 12:58:43 PM
Date Processed : 12/9/2022 8:06:29 AM
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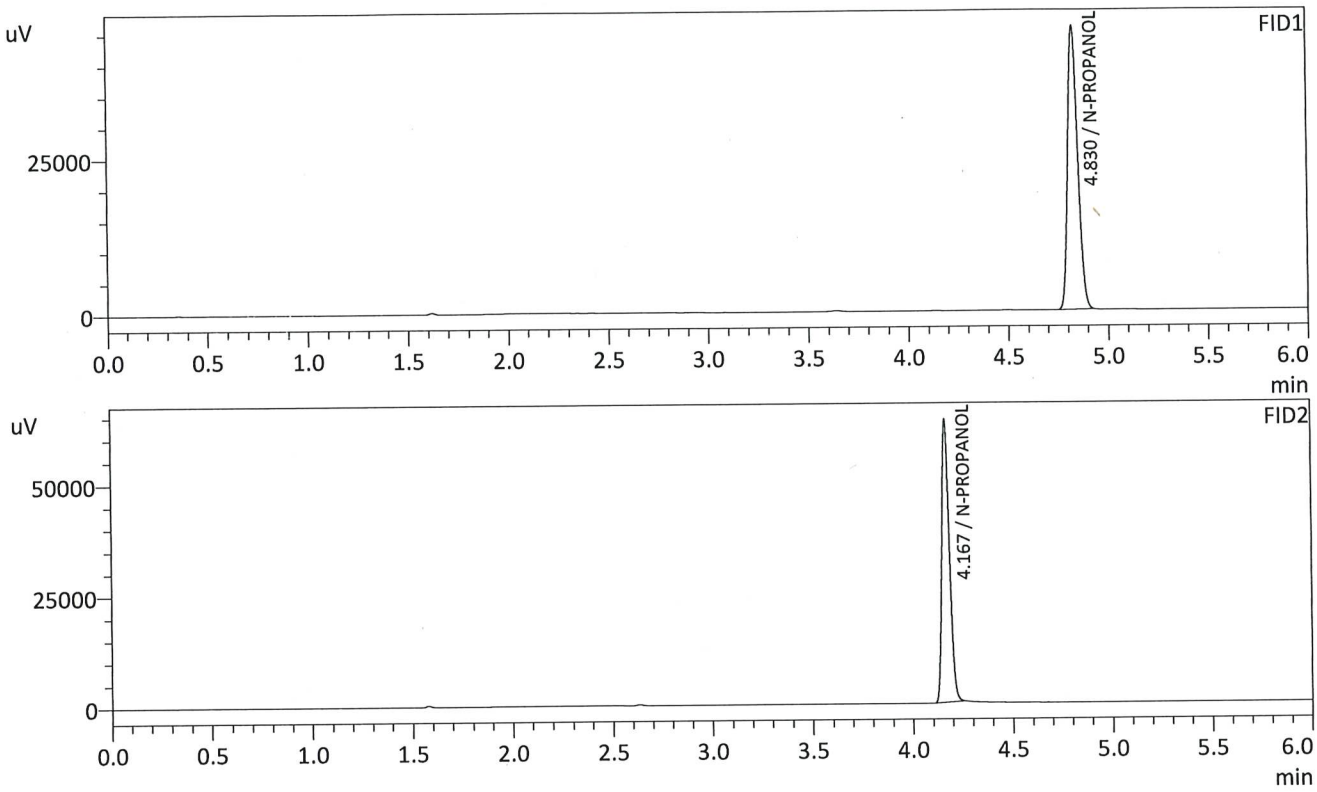

FID1

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	160396	45512
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	168310	62979
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
Vial # : 7
Data Filename : MULTI-COMP MIX_1282022_007.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 1:08:31 PM
Date Processed : 12/9/2022 8:06:30 AM
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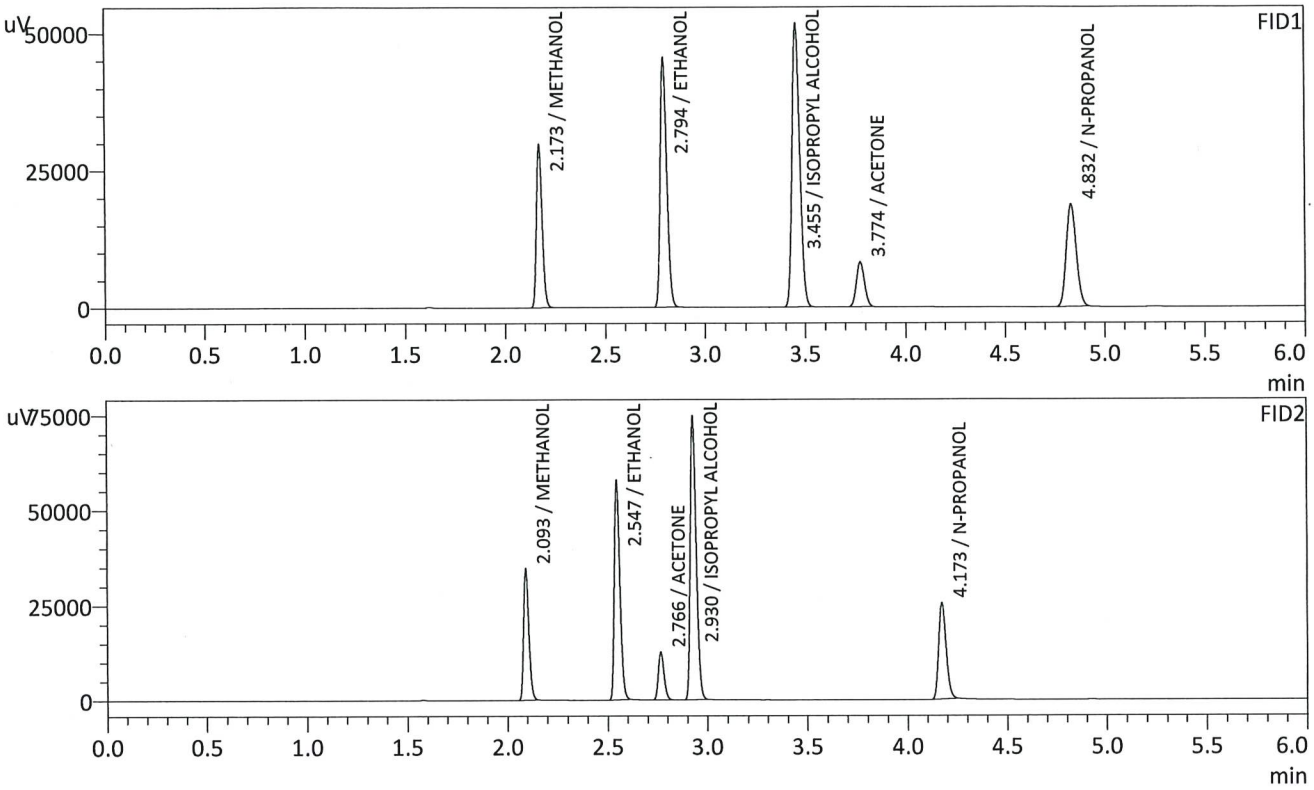

FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	59318	29617
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.7836	g/100cc	103735	45311
ISOPROPYL ALCOHOL	0.0000	g/100cc	142296	51564
ACETONE	0.0000	g/100cc	23092	8136
N-PROPANOL	0.0000	g/100cc	64789	18613
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	63338	34464
ETHANOL	0.8055	g/100cc	112083	57475
ACETONE	0.0000	g/100cc	24928	12534
ISOPROPYL ALCOHOL	0.0000	g/100cc	153735	73943
N-PROPANOL	0.0000	g/100cc	66623	25242
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 2
Vial # : 8
Data Filename : INT STD BLK 2_1282022_008.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
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Date Processed : 12/9/2022 8:06:32 AM
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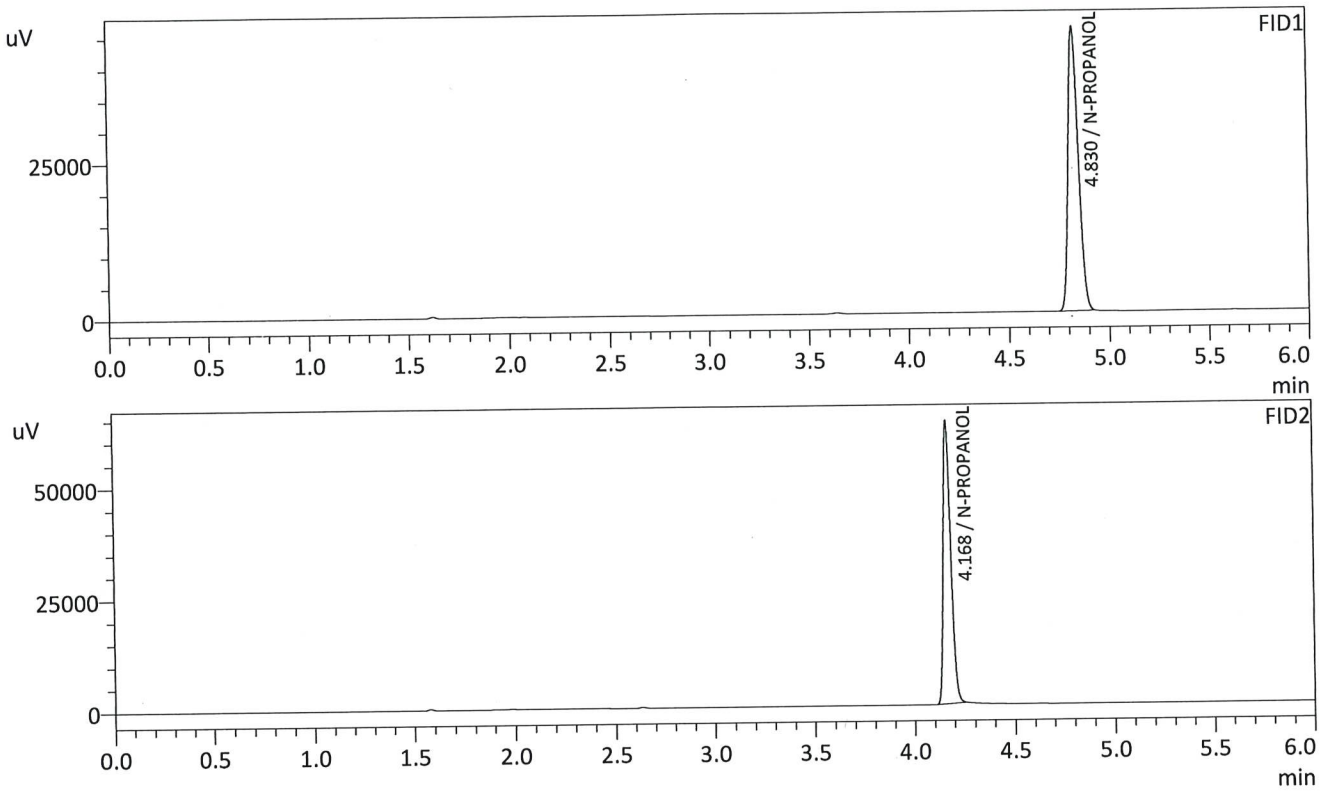

FID1

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	159370	45358
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	167180	62746
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Item #** **Analysis Date(s): 12/8/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0728	0.0733	0.0005	0.0730	0.0002	0.0729
(g/100cc)	0.0726	0.0730	0.0004	0.0728		

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
0.072	0.068	0.076	0.004

	Reported Result	
	0.072	

Calibration and control data are stored centrally.

Sample Name : QC1-1-A
Vial # : 9
Data Filename : QC1-1-A_1282022_009.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 1:27:16 PM
Date Processed : 12/9/2022 8:06:33 AM
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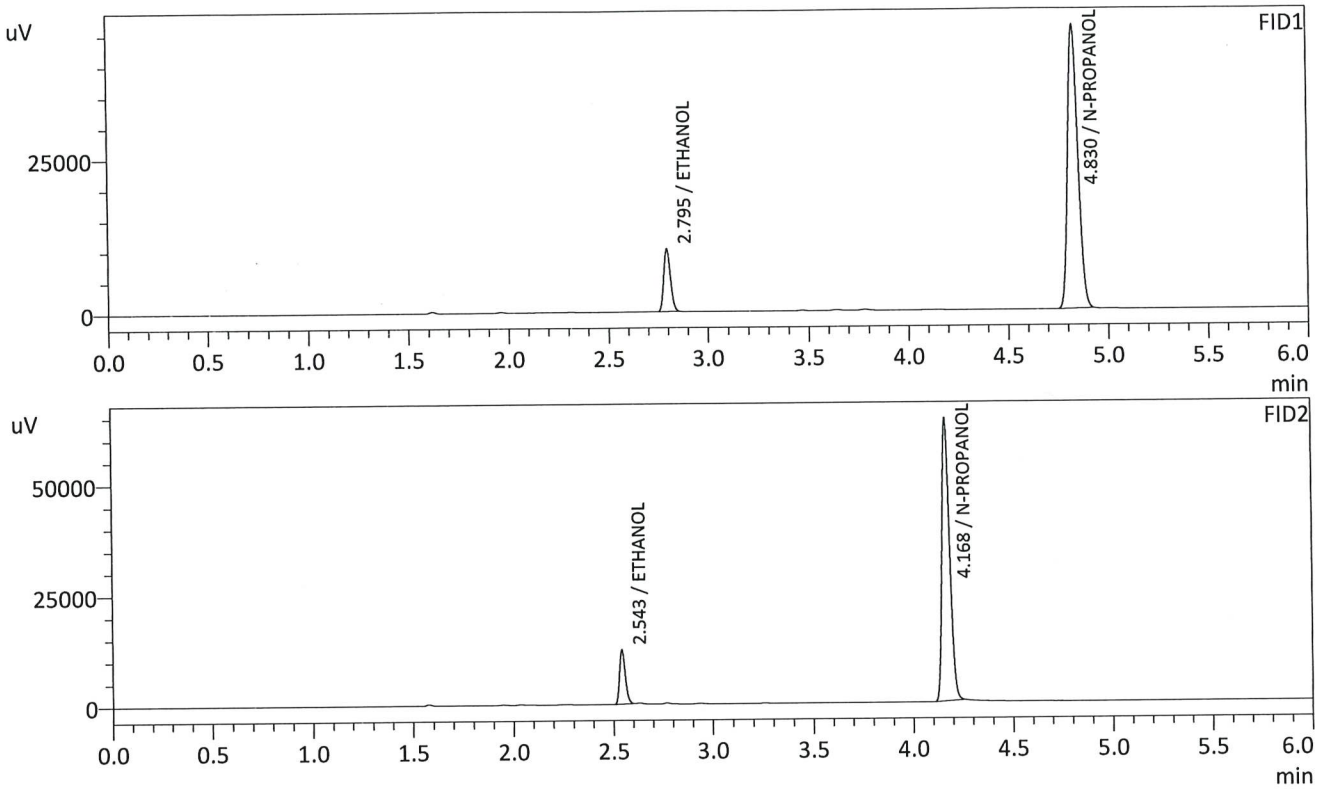

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0728	g/100cc	23500	10031
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161160	45797
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0733	g/100cc	24414	12165
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169099	63290
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC1-1-B
Vial # : 10
Data Filename : QC1-1-B_1282022_010.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 1:37:01 PM
Date Processed : 12/9/2022 8:06:35 AM
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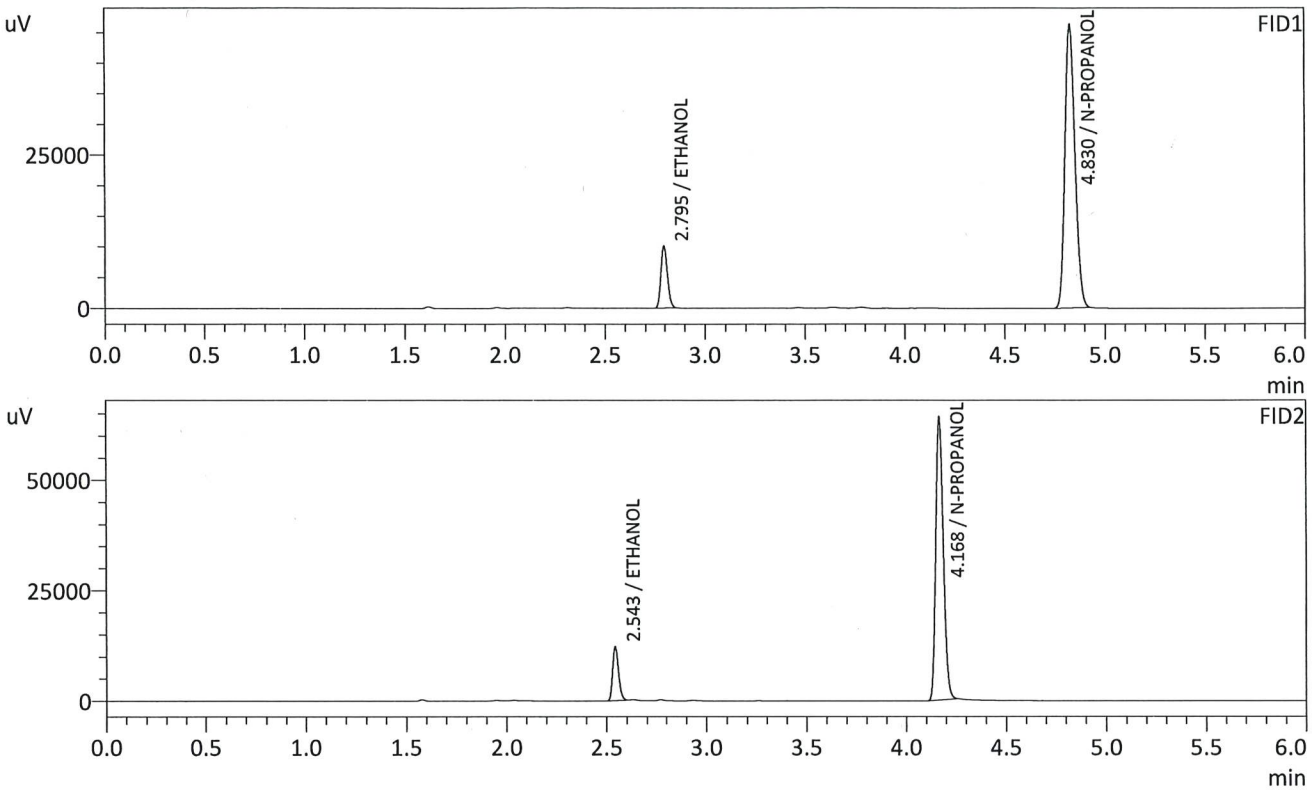

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0726	g/100cc	23479	10012
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161376	46115
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0730	g/100cc	24357	12126
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169316	63554
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Item #** **Analysis Date(s): 12/8/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0811	0.0002	0.0810	0.0004	0.0812
(g/100cc)	0.0812	0.0816	0.0004	0.0814		

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**

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA - A
Vial # : 11
Data Filename : 0.08 QA - A_1282022_011.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 1:46:32 PM
Date Processed : 12/9/2022 8:06:36 AM
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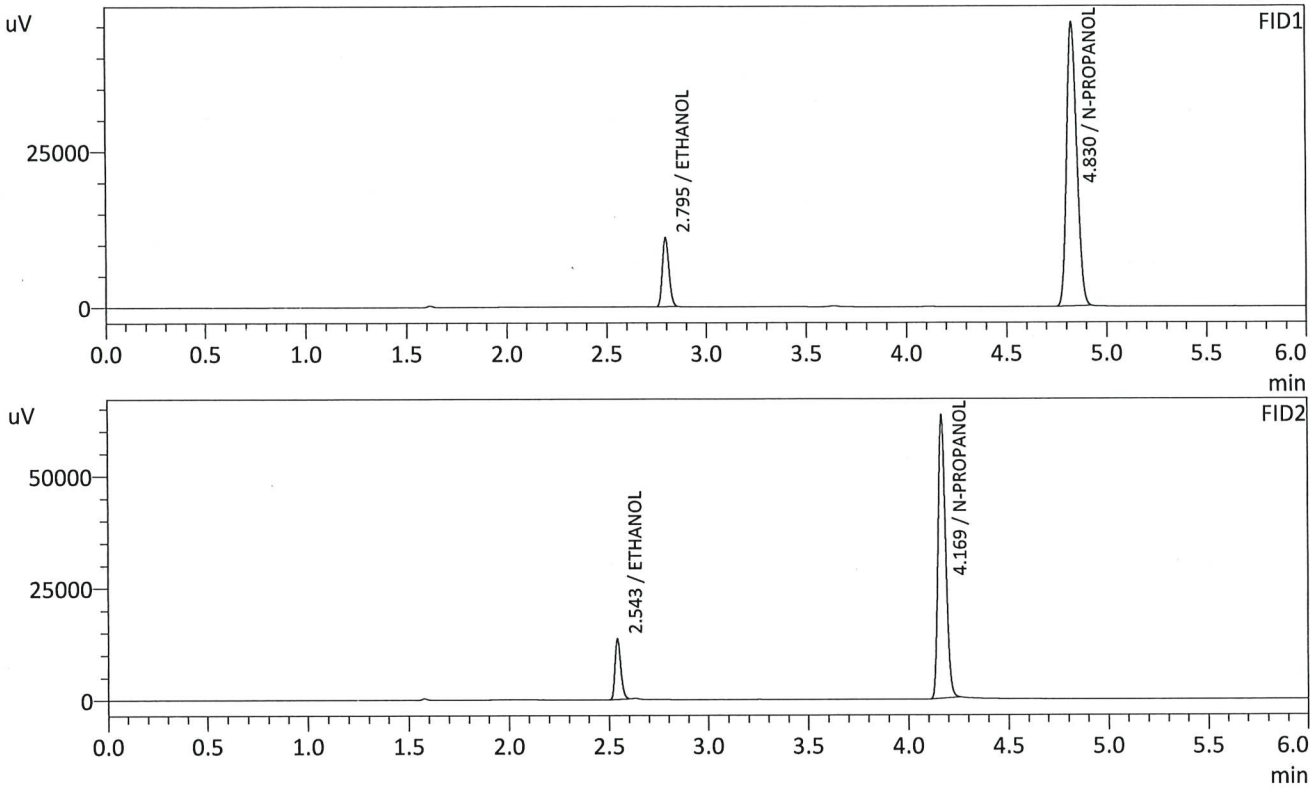

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	25855	10999
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159235	45310
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	26852	13369
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167014	62968
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.08 QA - B
Vial # : 12
Data Filename : 0.08 QA - B_1282022_012.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 1:55:50 PM
Date Processed : 12/9/2022 8:06:38 AM
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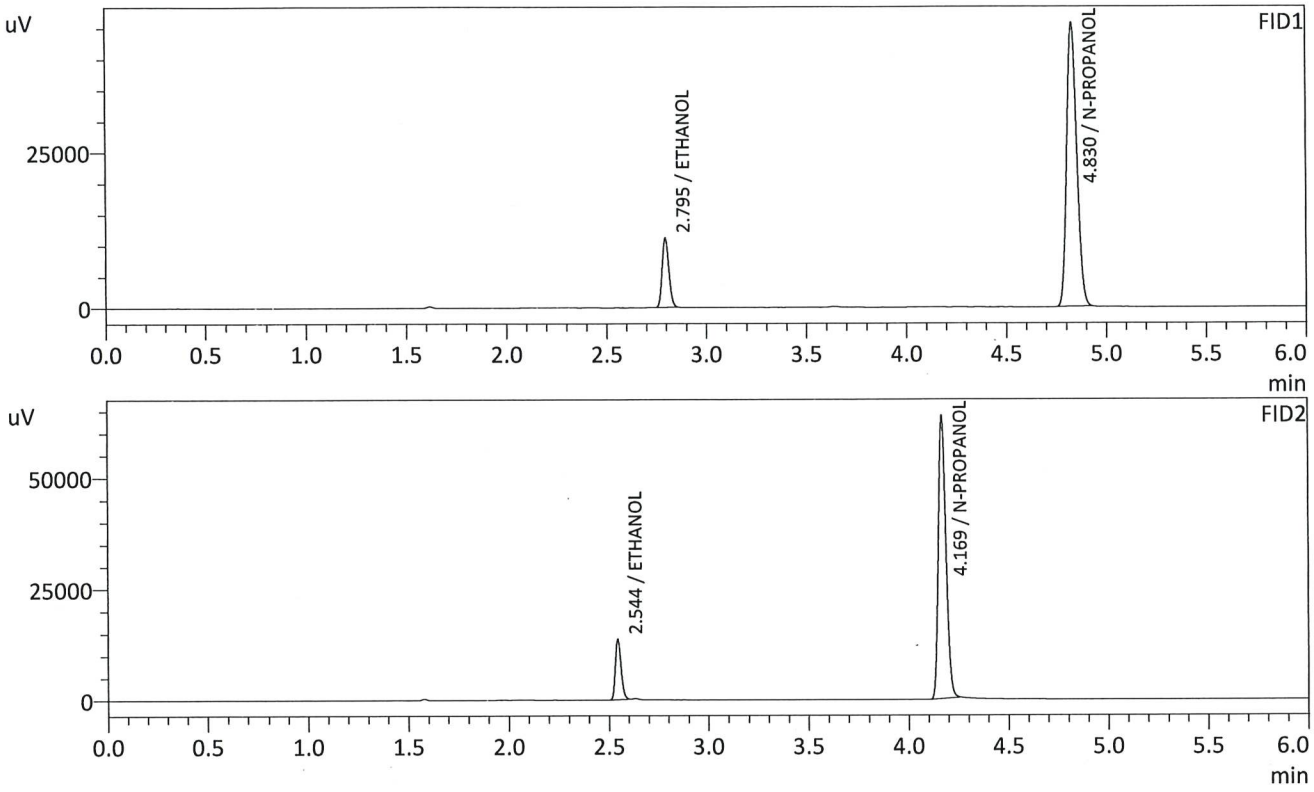

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	26145	11089
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160417	45504
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	27205	13431
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168166	63482
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Item #** **Analysis Date(s): 12/8/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2181	0.2188	0.0007	0.2184	0.0007	0.2187
(g/100cc)	0.2187	0.2195	0.0008	0.2191		

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
0.218	0.207	0.229	0.011

	Reported Result	
	0.218	

Calibration and control data are stored centrally.

Sample Name : QC2-1-A
Vial # : 31
Data Filename : QC2-1-A_1282022_031.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 4:56:53 PM
Date Processed : 12/9/2022 8:07:04 AM
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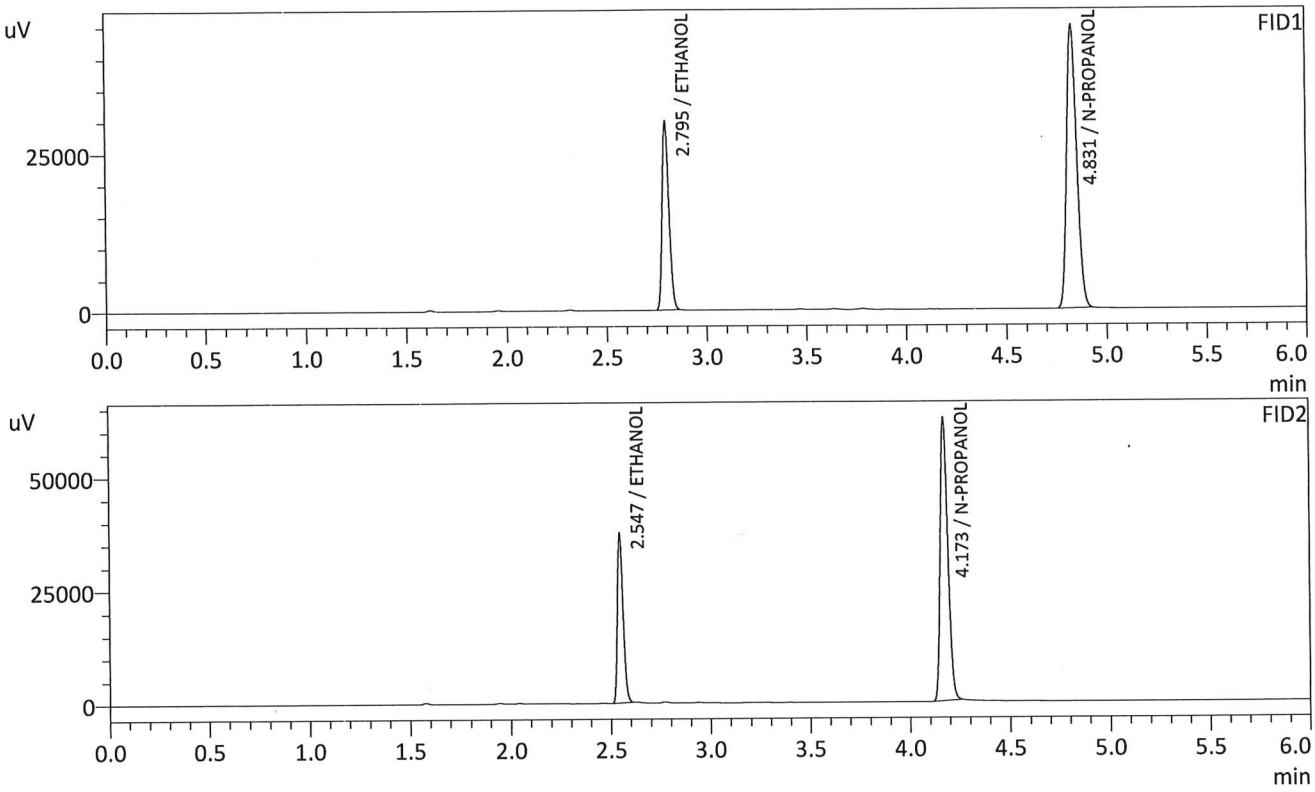

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2181	g/100cc	69680	29653
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157153	44790
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2188	g/100cc	74095	37241
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164675	61897
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
Vial # : 32
Data Filename : QC2-1-B_1282022_032.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 5:06:26 PM
Date Processed : 12/9/2022 8:07:05 AM
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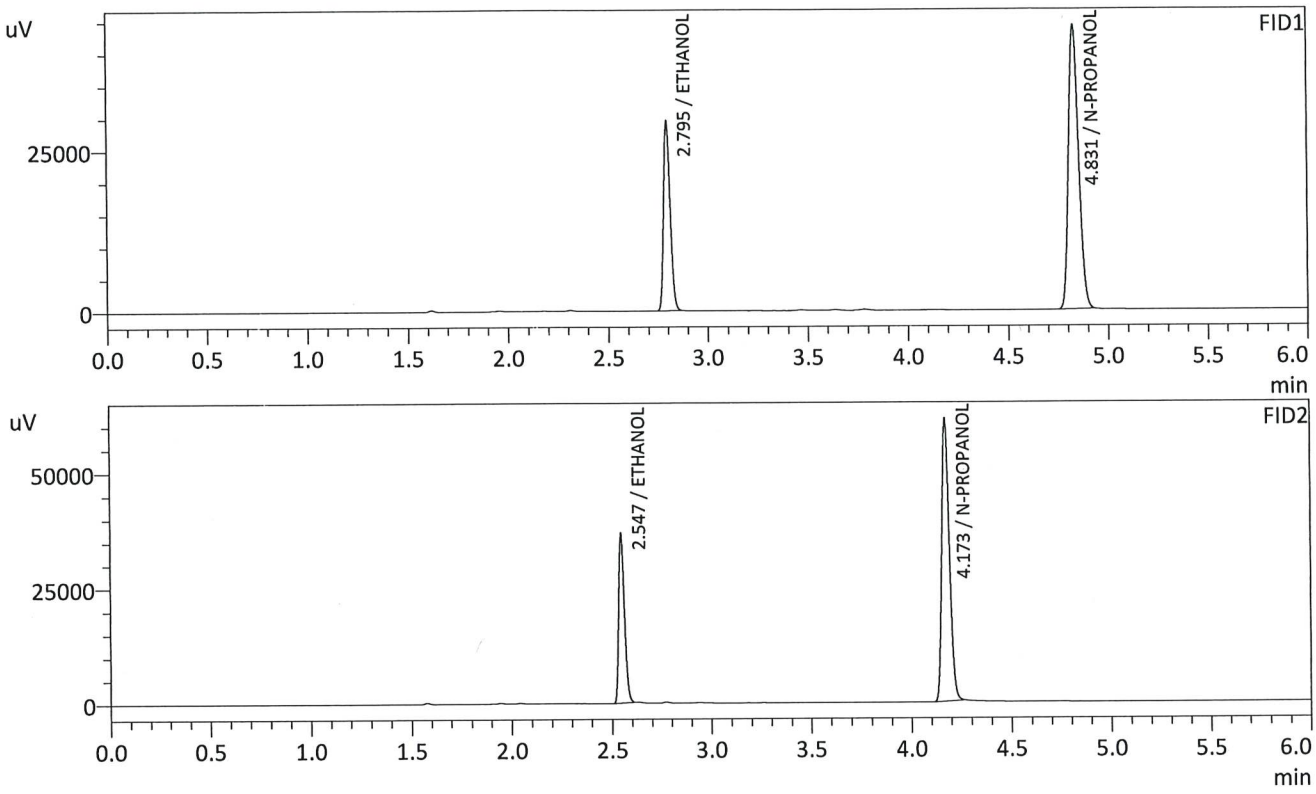

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2187	g/100cc	68644	29237
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154420	44065
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2195	g/100cc	72949	36514
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161596	60796
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Item #** **Analysis Date(s): 12/8/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0784	0.0792	0.0008	0.0788	0.0005	0.0790
(g/100cc)	0.0789	0.0797	0.0008	0.0793		

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

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

RC

Sample Name : QC1-2-A
Vial # : 53
Data Filename : QC1-2-A_1282022_053.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 8:26:19 PM
Date Processed : 12/9/2022 8:07:30 AM
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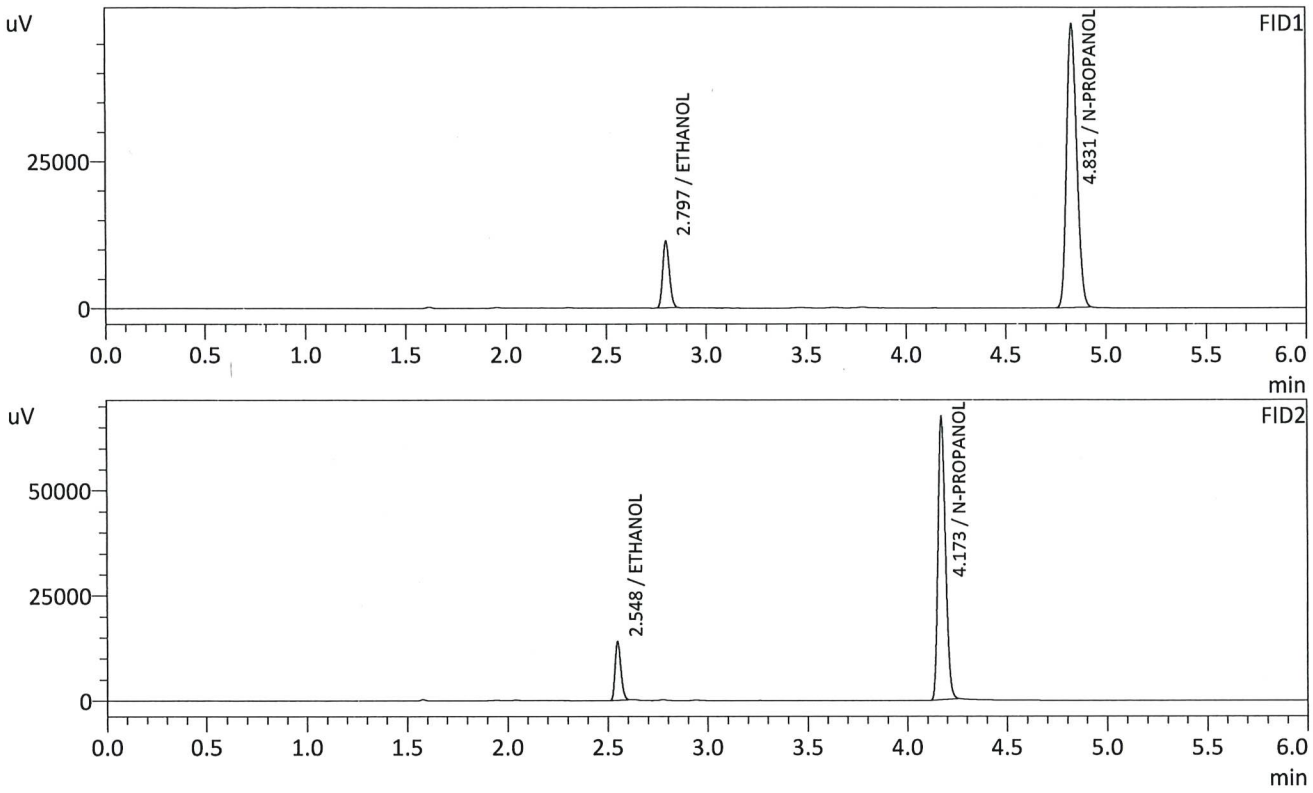

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0784	g/100cc	26572	11329
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169004	48196
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0792	g/100cc	27883	13750
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177705	66936
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
Vial # : 54
Data Filename : QC1-2-B_1282022_054.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 8:35:36 PM
Date Processed : 12/9/2022 8:07:31 AM
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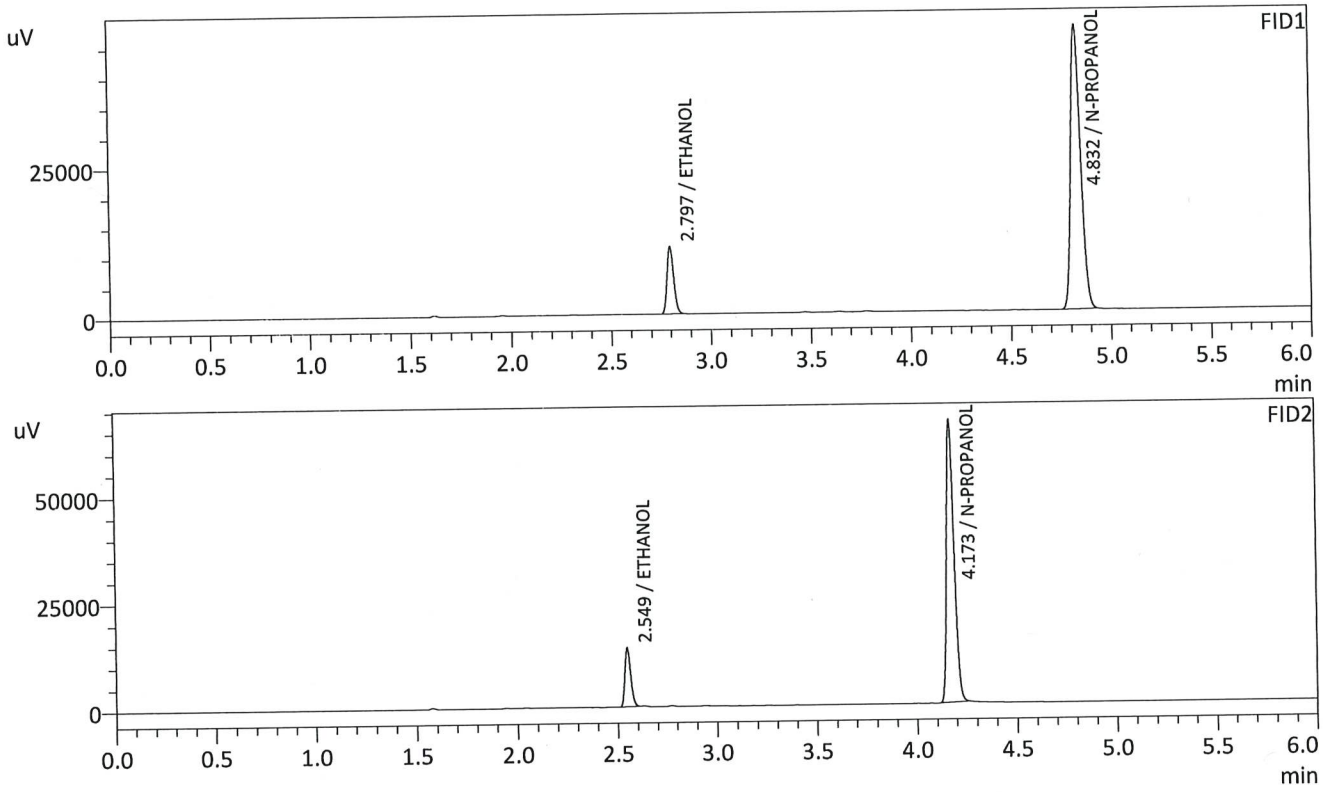

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0789	g/100cc	26230	11175
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165643	47352
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0797	g/100cc	27520	13689
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174349	65925
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Item #** **Analysis Date(s): 12/8/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2260	0.2257	0.0003	0.2258	0.0013	0.2251
(g/100cc)	0.2245	0.2245	0.0000	0.2245		

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
0.225	0.213	0.237	0.012

	Reported Result	
	0.225	

Calibration and control data are stored centrally.

RC

Sample Name : QC2-2-A
Vial # : 59
Data Filename : QC2-2-A_1282022_059.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 9:23:26 PM
Date Processed : 12/9/2022 8:07:37 AM
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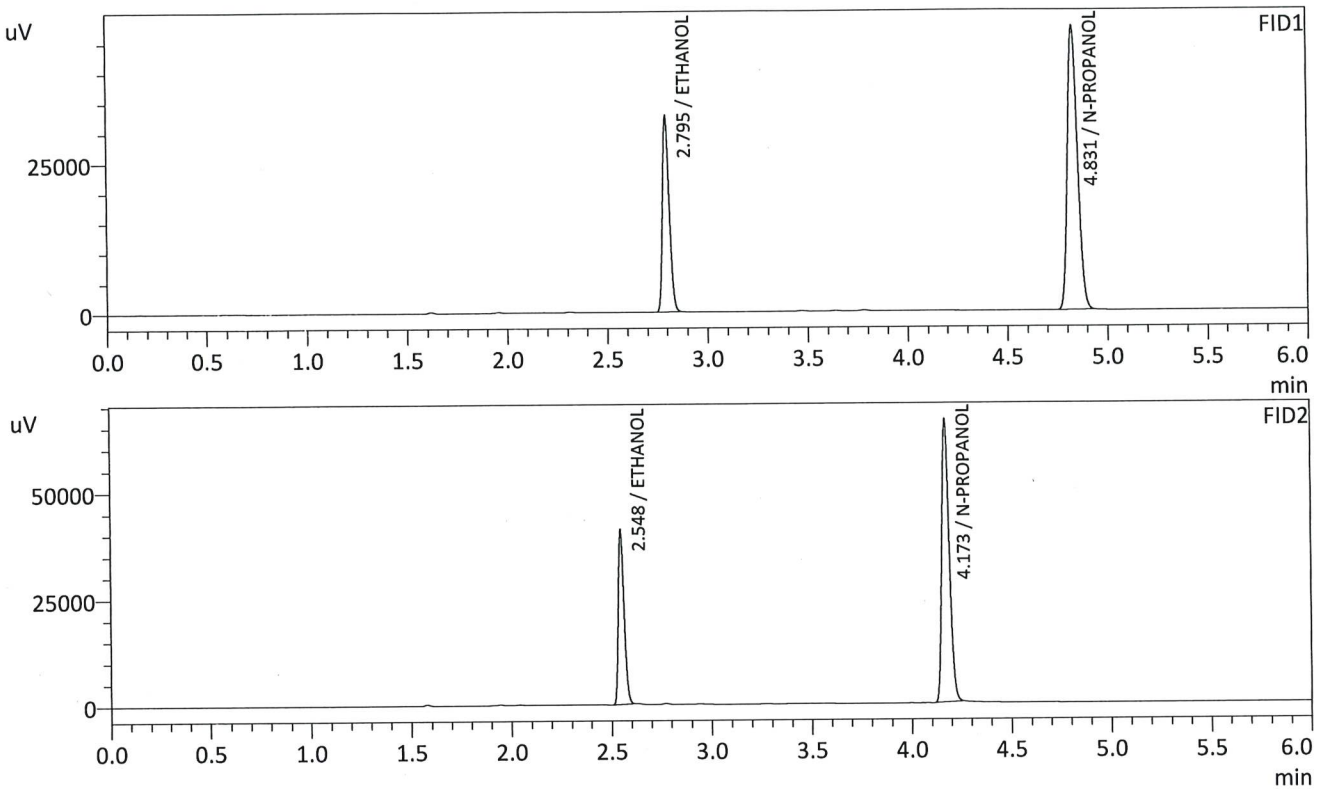

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2260	g/100cc	76347	32432
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166180	47214
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2257	g/100cc	81100	40271
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174624	66042
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-2-B
Vial # : 60
Data Filename : QC2-2-B_1282022_060.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 9:32:42 PM
Date Processed : 12/9/2022 8:07:38 AM
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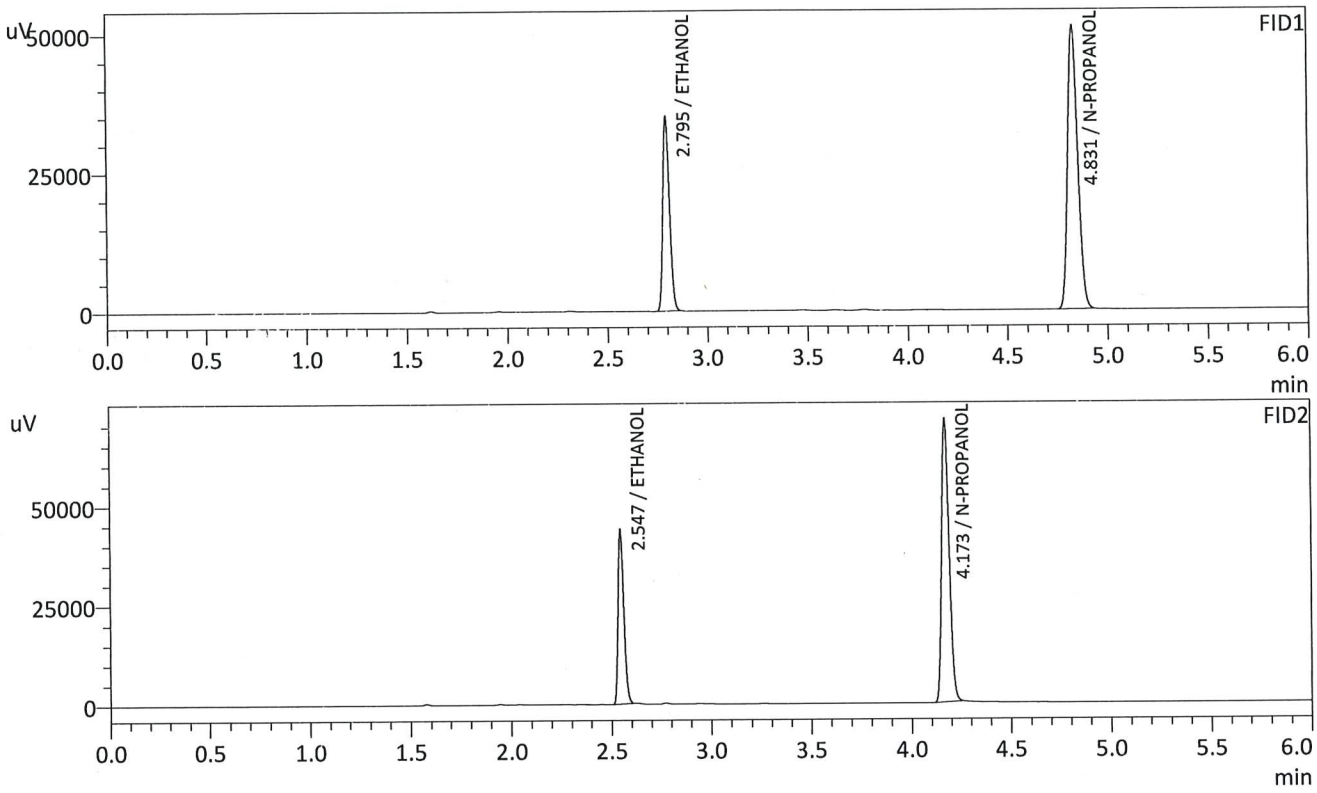

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2245	g/100cc	81698	34753
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178995	50941
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2245	g/100cc	86864	43594
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188052	70581
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
Vial # : 61
Data Filename : INT STD BLK 3_1282022_061.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 12-08-22 BATCH.gcb
Date Acquired : 12/8/2022 9:42:33 PM
Date Processed : 12/9/2022 8:07:39 AM
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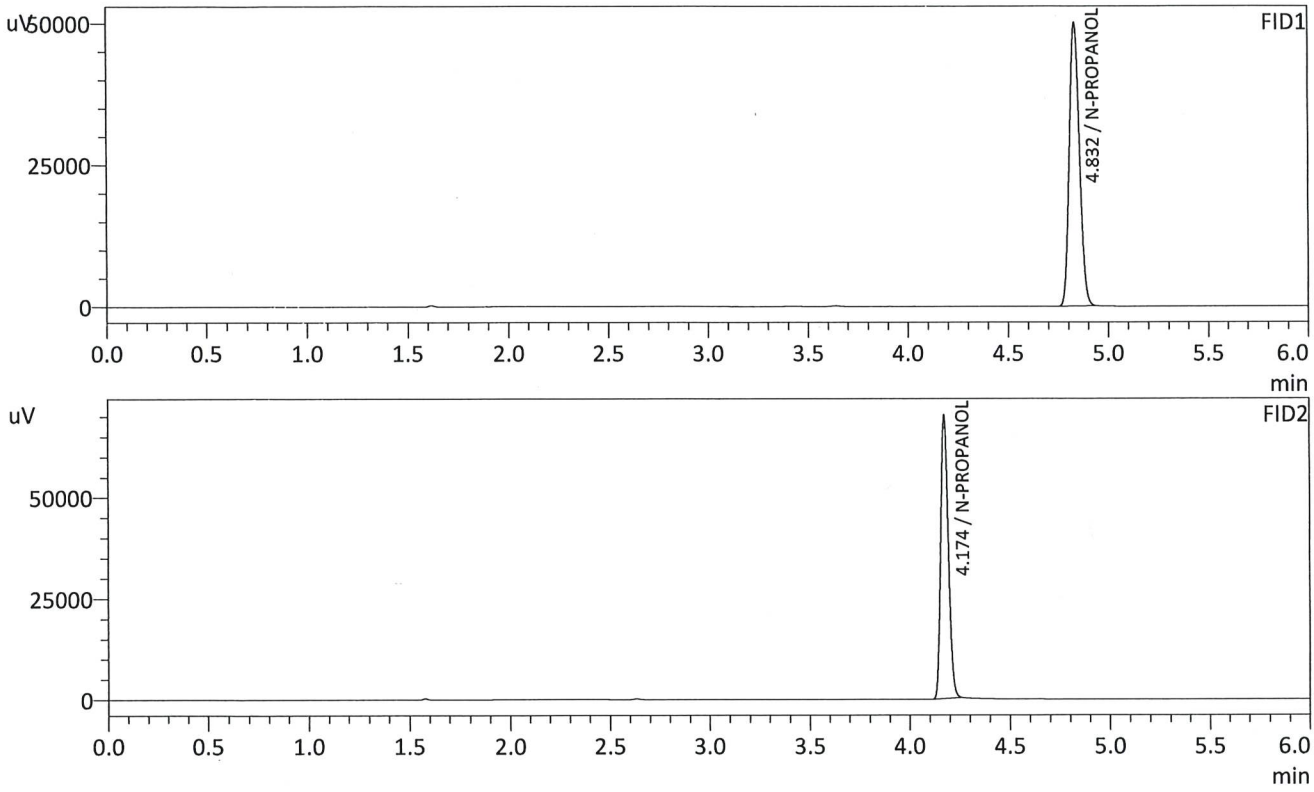

FID1

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	175445	50008
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	184863	69977
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

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

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm		0
9	QC1-1-A	0:Unknown	ALCOHOL.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL.gcm		0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm		0
13	P2022-3283-1-A	0:Unknown	ALCOHOL.gcm		0
14	P2022-3283-1-B	0:Unknown	ALCOHOL.gcm		0
15	P2022-3588-1-A	0:Unknown	ALCOHOL.gcm		0
16	P2022-3588-1-B	0:Unknown	ALCOHOL.gcm		0
17	P2022-3591-1-A	0:Unknown	ALCOHOL.gcm		0
18	P2022-3591-1-B	0:Unknown	ALCOHOL.gcm		0
19	P2022-3601-1-A	0:Unknown	ALCOHOL.gcm		0
20	P2022-3601-1-B	0:Unknown	ALCOHOL.gcm		0
21	P2022-3602-1-A	0:Unknown	ALCOHOL.gcm		0
22	P2022-3602-1-B	0:Unknown	ALCOHOL.gcm		0
23	P2022-3604-1-A	0:Unknown	ALCOHOL.gcm		0
24	P2022-3604-1-B	0:Unknown	ALCOHOL.gcm		0
25	P2022-3606-1-A	0:Unknown	ALCOHOL.gcm		0
26	P2022-3606-1-B	0:Unknown	ALCOHOL.gcm		0
27	P2022-3608-1-A	0:Unknown	ALCOHOL.gcm		0
28	P2022-3608-1-B	0:Unknown	ALCOHOL.gcm		0
29	P2022-3614-1-A	0:Unknown	ALCOHOL.gcm		0
30	P2022-3614-1-B	0:Unknown	ALCOHOL.gcm		0
31	QC2-1-A	0:Unknown	ALCOHOL.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL.gcm		0
33	P2022-3634-1-A	0:Unknown	ALCOHOL.gcm		0
34	P2022-3634-1-B	0:Unknown	ALCOHOL.gcm		0
35	P2022-3642-1-A	0:Unknown	ALCOHOL.gcm		0
36	P2022-3642-1-B	0:Unknown	ALCOHOL.gcm		0
37	P2022-3646-1-A	0:Unknown	ALCOHOL.gcm		0
38	P2022-3646-1-B	0:Unknown	ALCOHOL.gcm		0
39	P2022-3656-1-A	0:Unknown	ALCOHOL.gcm		0
40	P2022-3656-1-B	0:Unknown	ALCOHOL.gcm		0
41	P2022-3667-1-A	0:Unknown	ALCOHOL.gcm		0
42	P2022-3667-1-B	0:Unknown	ALCOHOL.gcm		0
43	P2022-3683-1-A	0:Unknown	ALCOHOL.gcm		0
44	P2022-3683-1-B	0:Unknown	ALCOHOL.gcm		0
45	P2022-3687-1-A	0:Unknown	ALCOHOL.gcm		0
46	P2022-3687-1-B	0:Unknown	ALCOHOL.gcm		0
47	P2022-3694-1-A	0:Unknown	ALCOHOL.gcm		0
48	P2022-3694-1-B	0:Unknown	ALCOHOL.gcm		0
49	P2022-3699-1-A	0:Unknown	ALCOHOL.gcm		0
50	P2022-3699-1-B	0:Unknown	ALCOHOL.gcm		0
51	P2022-3700-1-A	0:Unknown	ALCOHOL.gcm		0
52	P2022-3700-1-B	0:Unknown	ALCOHOL.gcm		0

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm		0
55	P2022-3701-1-A	0:Unknown	ALCOHOL.gcm		0
56	P2022-3701-1-B	0:Unknown	ALCOHOL.gcm		0
57	P2022-3715-1-A	0:Unknown	ALCOHOL.gcm		0
58	P2022-3715-1-B	0:Unknown	ALCOHOL.gcm		0
59	QC2-2-A	0:Unknown	ALCOHOL.gcm		0
60	QC2-2-B	0:Unknown	ALCOHOL.gcm		0
61	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0

RC

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