REVIEWED
By Melissa (Nikka) Bradley at 3:45 pm, Aug 31, 2022 NB

8/31/2022

Worklist: 6079

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2022-2638	1	BCK	Alcohol Analysis
P2022-2639	1	BCK	Alcohol Analysis
P2022-2645	1	BCK	Alcohol Analysis
P2022-2655	1	BCK	Alcohol Analysis
P2022-2656	1	BCK	Alcohol Analysis
P2022-2662	1	BCK	Alcohol Analysis
P2022-2674	1	BCK	Alcohol Analysis
P2022-2675	2	BCK	Alcohol Analysis
P2022-2686	1	BCK	Alcohol Analysis
P2022-2687	1	BCK	Alcohol Analysis
P2022-2688	1	BCK	Alcohol Analysis
P2022-2689	1	BCK	Alcohol Analysis
P2022-2690	1	BCK	Alcohol Analysis
P2022-2712	1	BCK	Alcohol Analysis
P2022-2713	1	BCK	Alcohol Analysis
P2022-2728	1	BCK	Alcohol Analysis

Case sample P2022-2454-1 from worklist 6054 was also included in this run. TS

08/31/2022

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):** **08/30/2022**

Calibration Date: *(if different)*

Worklist #: **6079**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0740 g/100cc
					0.0815 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2139 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp:	10/31/2024	Lot #	FN06041902	
Curve Fit:		Column 1	0.99999	Column2	0.99995

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0503	0.0513	0.001	0.0508
100	0.100	0.090 - 0.110	0.1001	0.1001	0	0.1001
200	0.200	0.180 - 0.220	0.1996	0.1987	0.0009	0.1991
300	0.300	0.270 - 0.330	0.2993	0.2986	0.0007	0.2989
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5004	0.5011	0.0007	0.5007

Aqueous Controls

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

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #: 6079 **Run Date(s):** 08/30/2022

Internal Standard Solution:	Prep Date: 8/17/2022	Exp Date: 2/17/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	174435	184321
0.080	175040	184995
QC1	176945	187072
QC1	175612	185599
QC1	185929	196915
QC1	181052	191830
QC1		
QC1		
QC2	173247	183072
QC2	174207	183923
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	177058.4	141646.7	212470.1
Column 2	187215.9	149772.7	224659.1

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

TS

Calibration Table

Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Data File>>
Method File :C:\LabSolutions\Data\2022\8-30-22 TS\ALCOHOL.gcm
Batch File :C:\LabSolutions\Data\2022\8-30-22 TS\8-30-22 TS.gcb
Date Acquired :8/30/2022 2:24:50 PM
Date Created :8/30/2022 2:21:27 PM
Date Modified :8/31/2022 8:41:36 AM

Not Ready

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

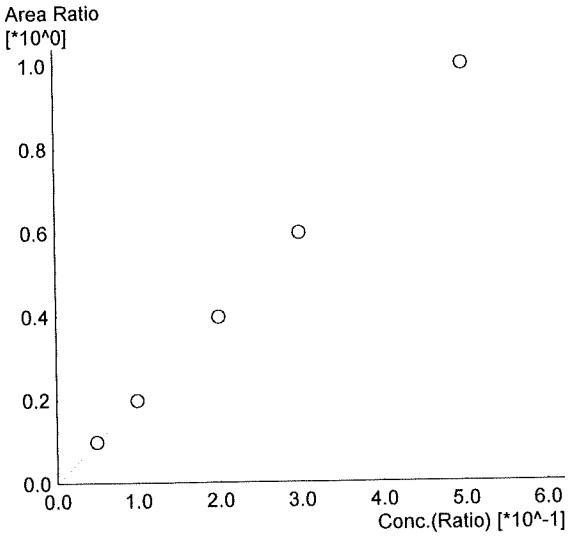
#	Conc.	Area	Std. Conc.	Data File Name

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)=2.00080*x-0.00280483
R^2 value= 0.9999933
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	17150	0.0503	0.050_8302022_001.gcd
2	0.100	34751	0.1001	0.100_8302022_002.gcd
3	0.200	70073	0.1996	0.200_8302022_003.gcd
4	0.300	105818	0.2993	0.300_8302022_004.gcd
5	0.500	176935	0.5004	0.500_8302022_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

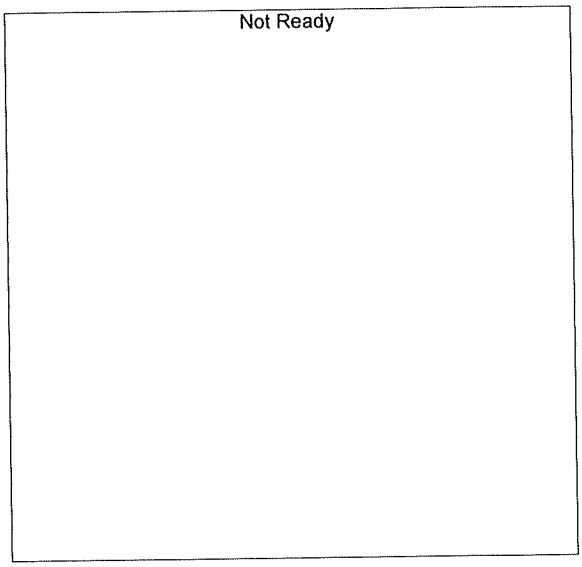
#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

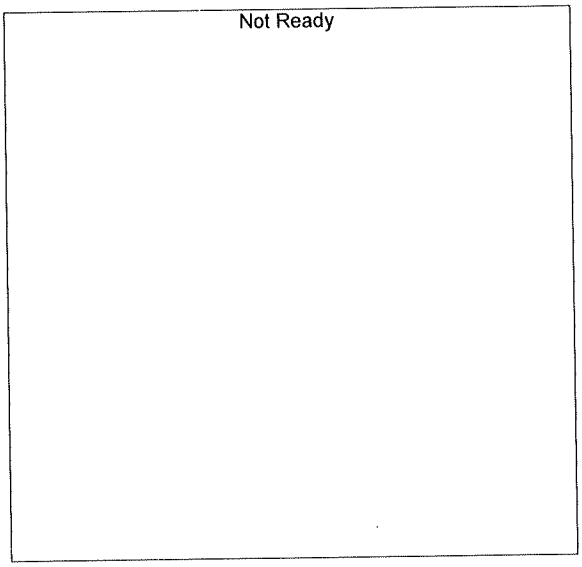
#	Conc.	Area	Std. Conc.	Data File Name

TS



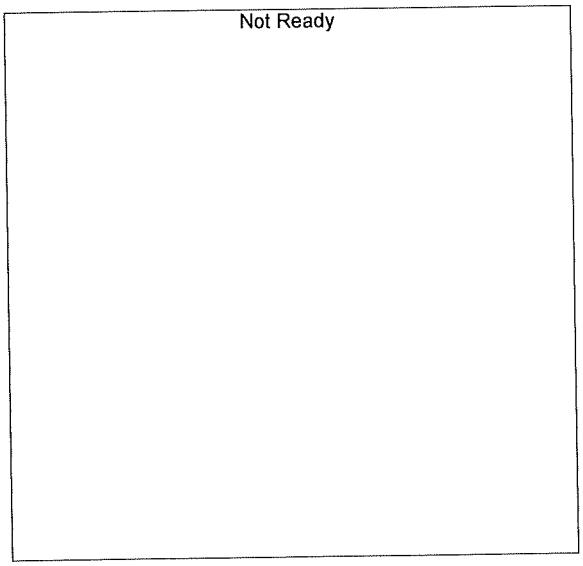
Name : DFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

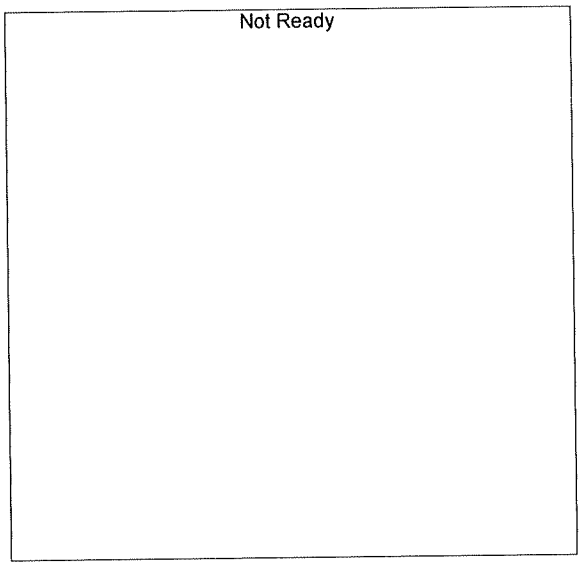
#	Conc.	Area	Std. Conc.	Data File Name



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

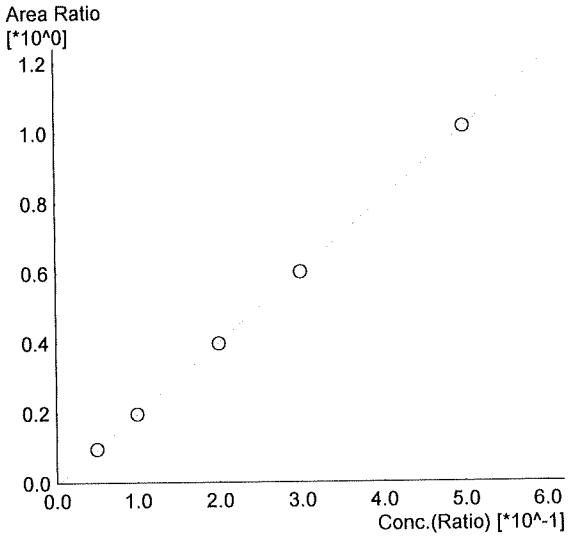
TS



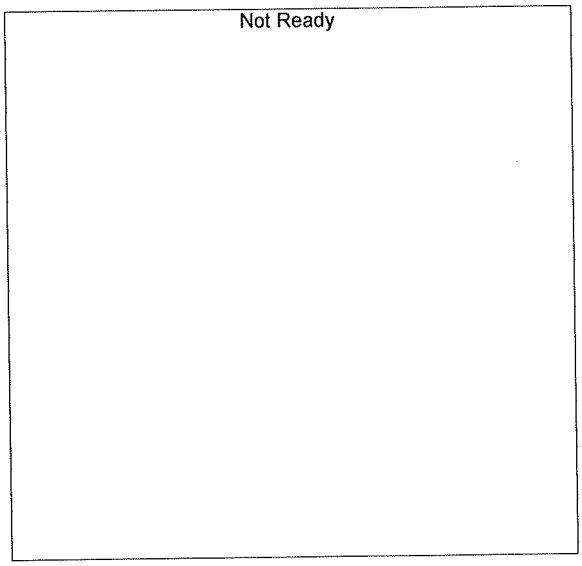
Name : METHANOL
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.04154*x-0.00841255
R^2 value= 0.9999501
FitType: Linear
ZeroThrough: Not Through



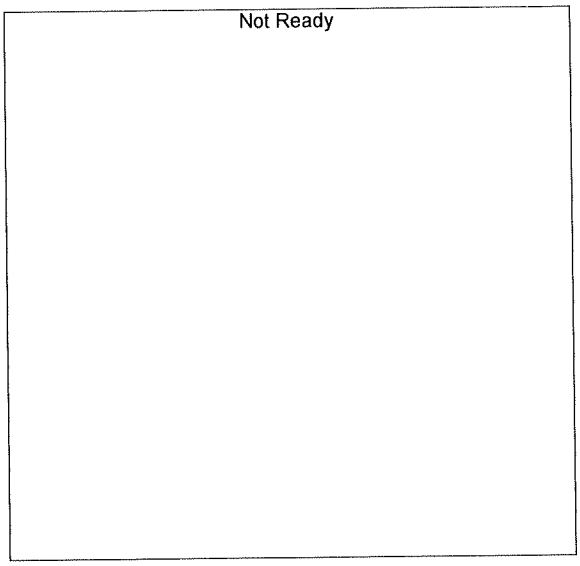
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	17757	0.0513	0.050_8302022_001.gcd
2	0.100	36417	0.1001	0.100_8302022_002.gcd
3	0.200	74133	0.1987	0.200_8302022_003.gcd
4	0.300	112539	0.2986	0.300_8302022_004.gcd
5	0.500	189415	0.5011	0.500_8302022_005.gcd



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

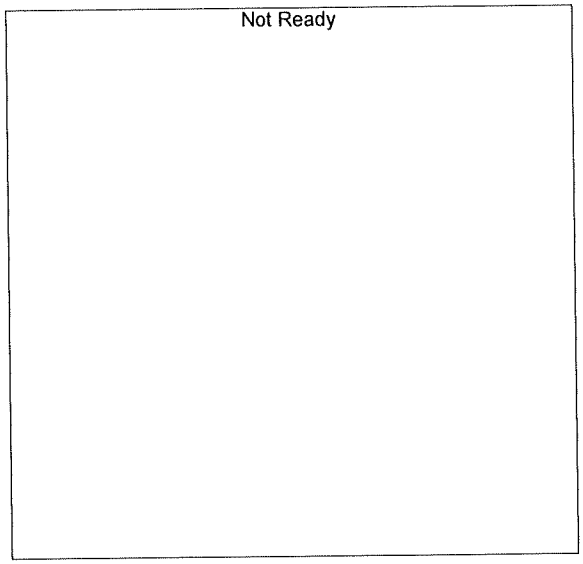
#	Conc.	Area	Std. Conc.	Data File Name

TS



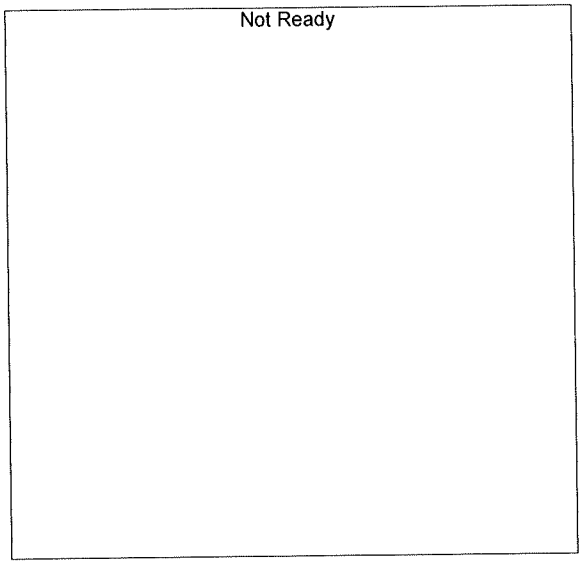
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

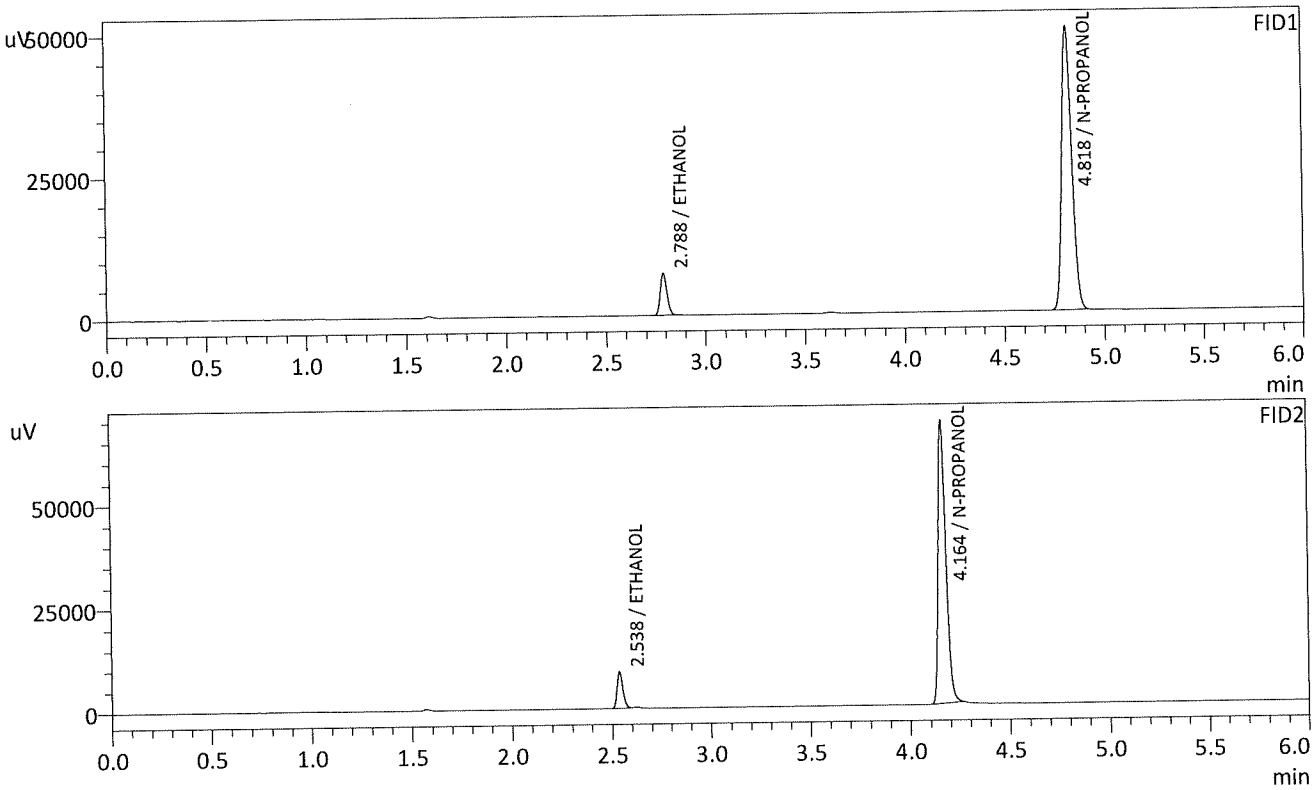


Name : TFE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

TS

Sample Name : 0.050
Vial # : 1
Data Filename : 0.050_8302022_001.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 1:46:44 PM
Date Processed : 8/31/2022 8:41:31 AM
C:\LabSolutions\Data\2022\8-30-22 TS\ALCOHOL.gcm



FID1

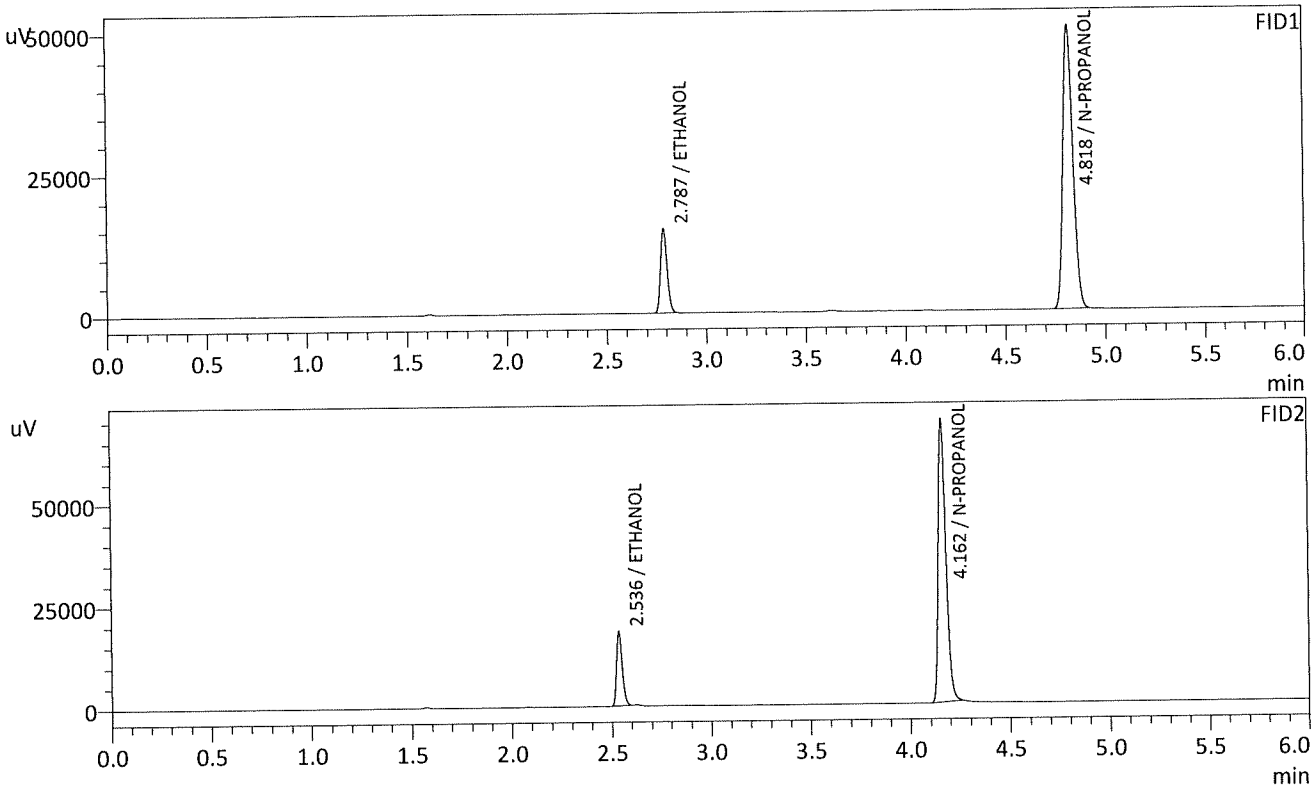
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0503	g/100cc	17150	7318
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175073	49932
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0513	g/100cc	17757	8790
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184317	67815
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.100
Vial # : 2
Data Filename : 0.100_8302022_002.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 1:56:13 PM
Date Processed : 8/31/2022 8:41:32 AM
C:\LabSolutions\Data\2022\8-30-22 TS\ALCOHOL.gcm



FID1

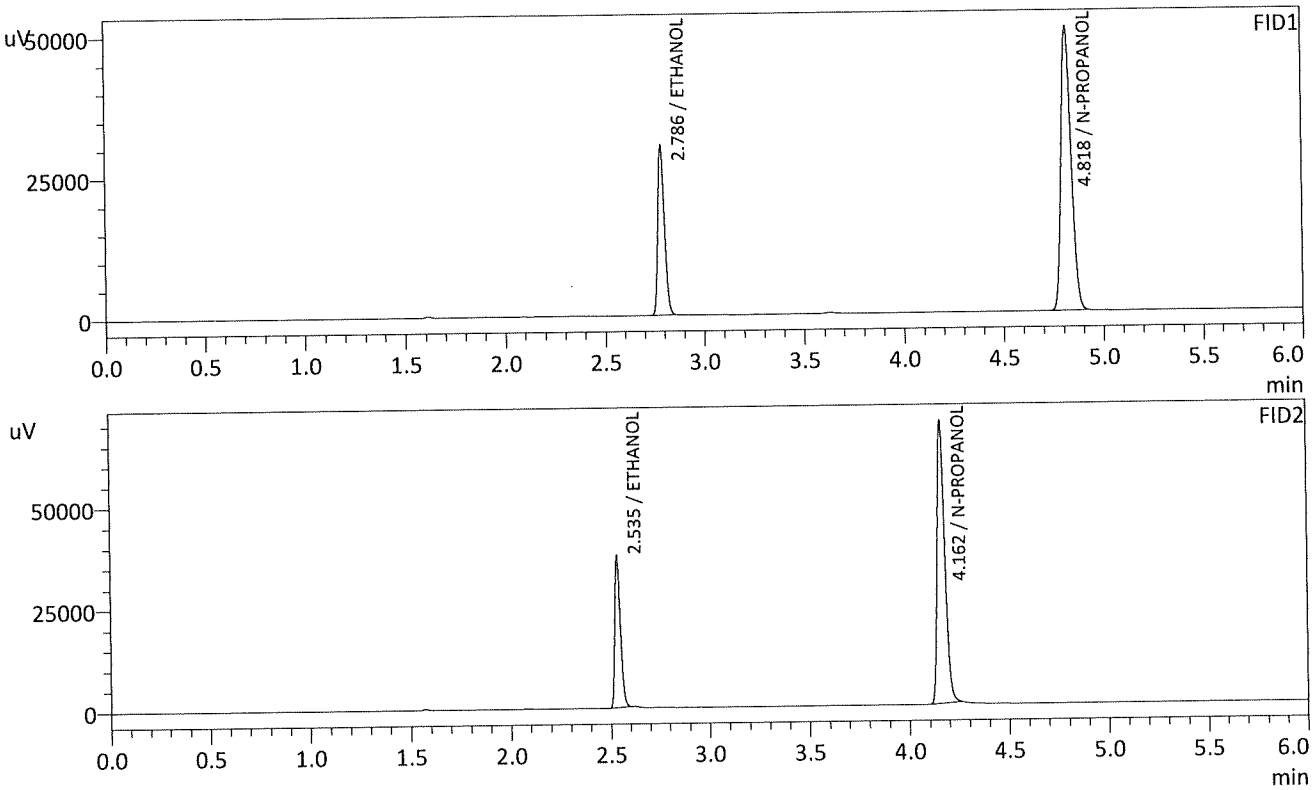
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	34751	14768
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175852	50256
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	36417	18155
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185819	68858
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.200
Vial # : 3
Data Filename : 0.200_8302022_003.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 2:05:34 PM
Date Processed : 8/31/2022 8:41:34 AM
C:\LabSolutions\Data\2022\8-30-22 TS\ALCOHOL.gcm



FID1

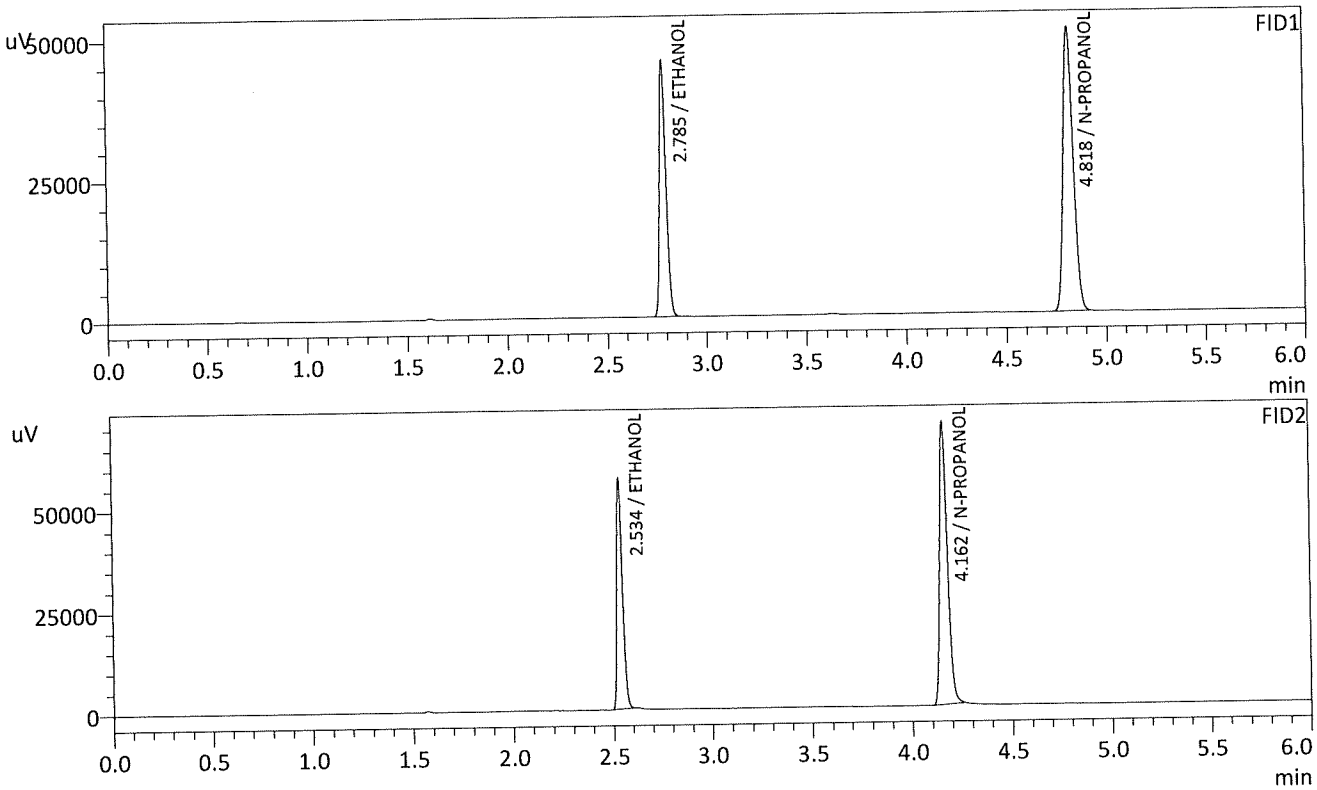
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1996	g/100cc	70073	29950
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176675	50396
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1987	g/100cc	74133	36982
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186534	69024
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.300
Vial # : 4
Data Filename : 0.300_8302022_004.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 2:15:20 PM
Date Processed : 8/31/2022 8:41:35 AM
C:\LabSolutions\Data\2022\8-30-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2993	g/100cc	105818	45519
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177481	50542
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2986	g/100cc	112539	55877
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187172	69390
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.500
Vial # : 5
Data Filename : 0.500_8302022_005.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 2:24:50 PM
Date Processed : 8/31/2022 8:41:36 AM
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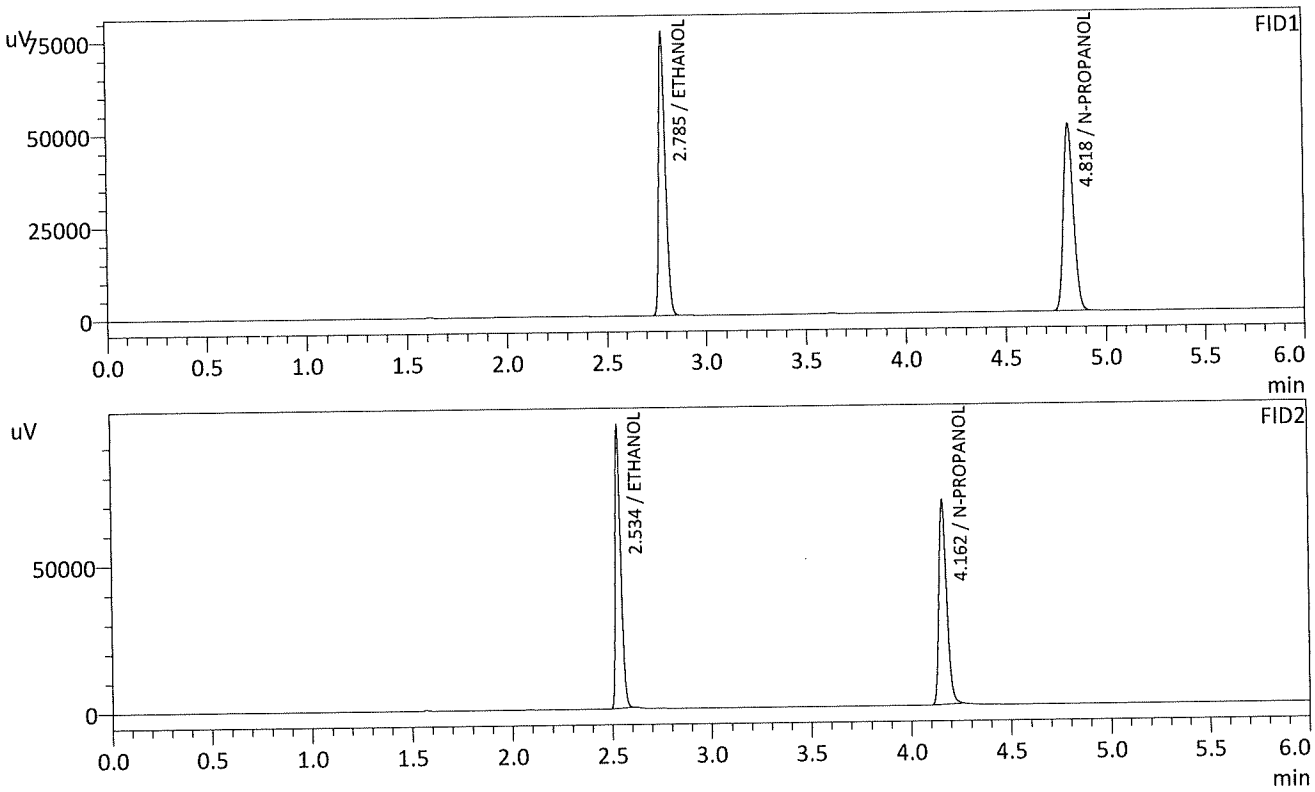

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5004	g/100cc	176935	76363
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177206	50509
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5011	g/100cc	189415	94629
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186670	69206
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 1
Vial # : 6
Data Filename : INT STD BLK 1_8302022_006.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 2:34:08 PM
Date Processed : 8/31/2022 8:41:39 AM
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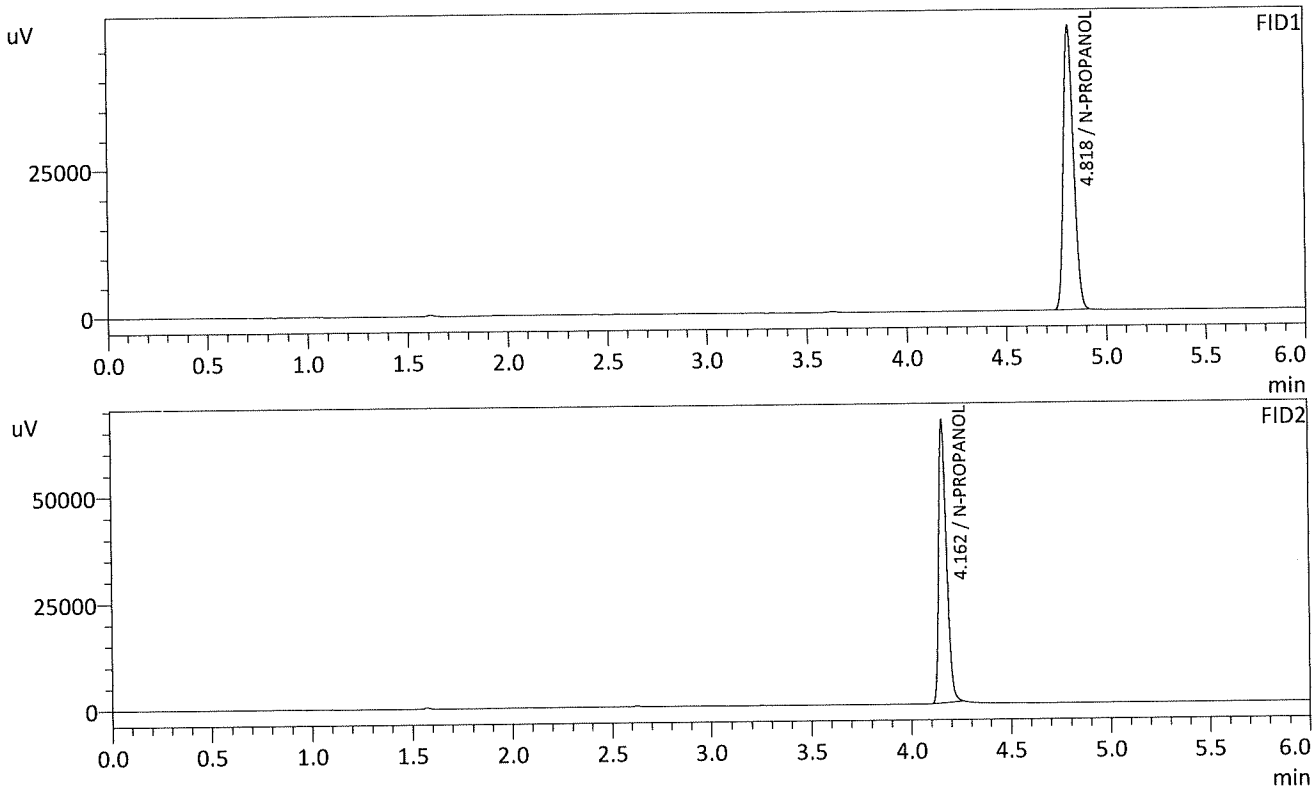

FID1

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	168889	48091
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	178561	66250
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : MULTI-COMP MIX
Vial # : 7
Data Filename : MULTI-COMP MIX_8302022_007.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 2:43:52 PM
Date Processed : 8/31/2022 8:41:40 AM
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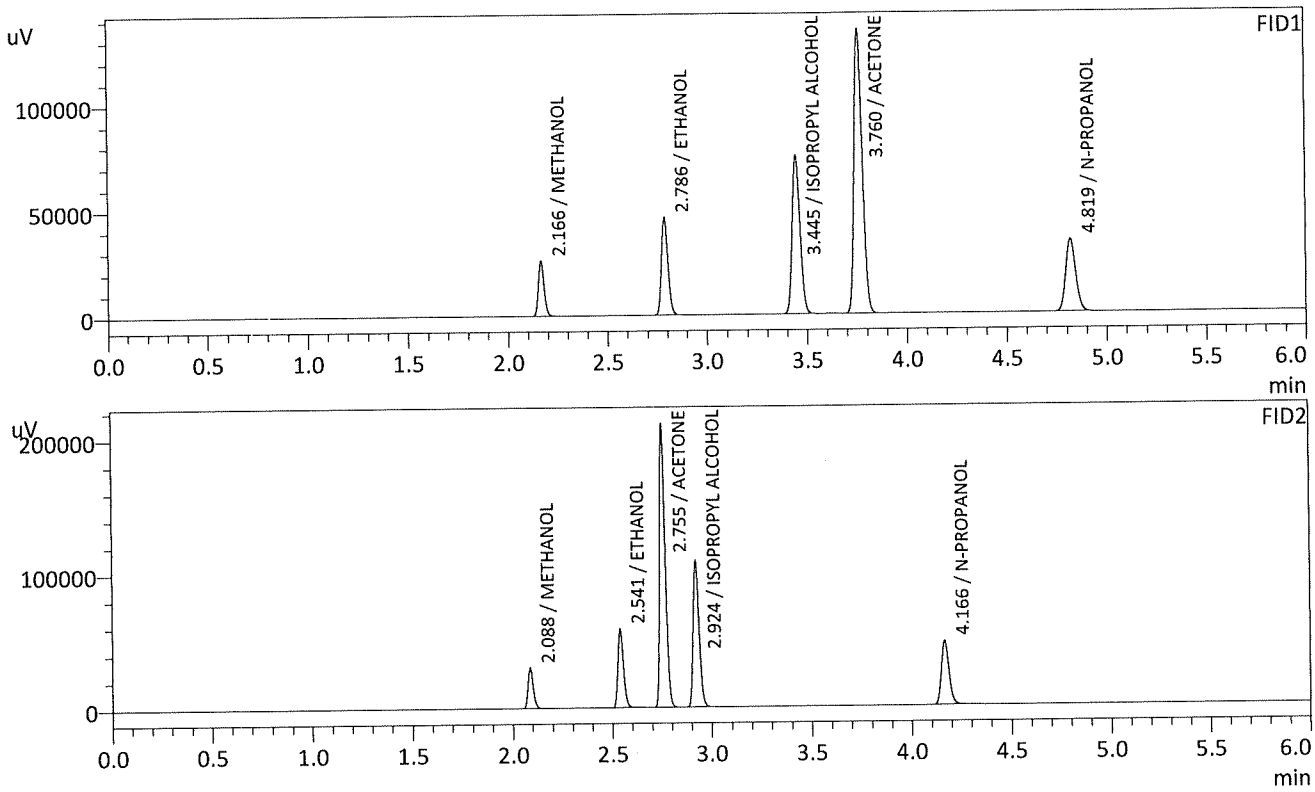

FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	52040	25472
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.4455	g/100cc	105163	45455
ISOPROPYL ALCOHOL	0.0000	g/100cc	206175	74554
ACETONE	0.0000	g/100cc	380516	134324
N-PROPANOL	0.0000	g/100cc	118339	34155
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	55460	29814
ETHANOL	0.4491	g/100cc	113482	58041
ACETONE	0.0000	g/100cc	414393	209404
ISOPROPYL ALCOHOL	0.0000	g/100cc	223119	108164
N-PROPANOL	0.0000	g/100cc	124902	47405
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 2
Vial # : 8
Data Filename : INT STD BLK 2_8302022_008.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 2:53:24 PM
Date Processed : 8/31/2022 8:41:41 AM
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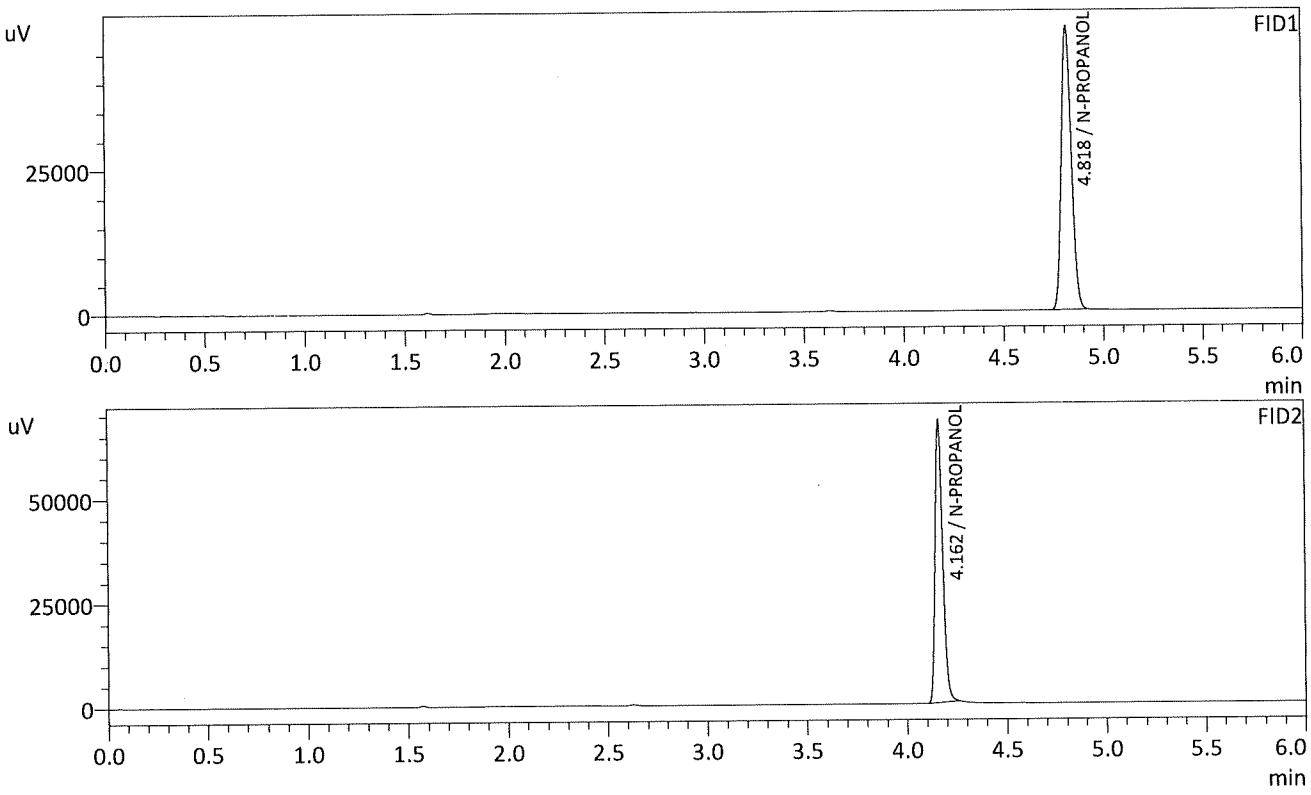

FID1

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	172330	49122
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	182206	67692
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Item #** **Analysis Date(s): 08/30/22**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0738	0.0739	0.0001	0.0738	0.0005	0.0740
(g/100cc)	0.0741	0.0745	0.0004	0.0743		

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
0.074	**0.070**	**0.078**	**0.004**

	Reported Result	
	0.074	

Calibration and control data are stored centrally.

TS

Sample Name : QC-1-1-A
Vial # : 9
Data Filename : QC-1-1-A_8302022_009.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 3:02:41 PM
Date Processed : 8/31/2022 8:41:42 AM
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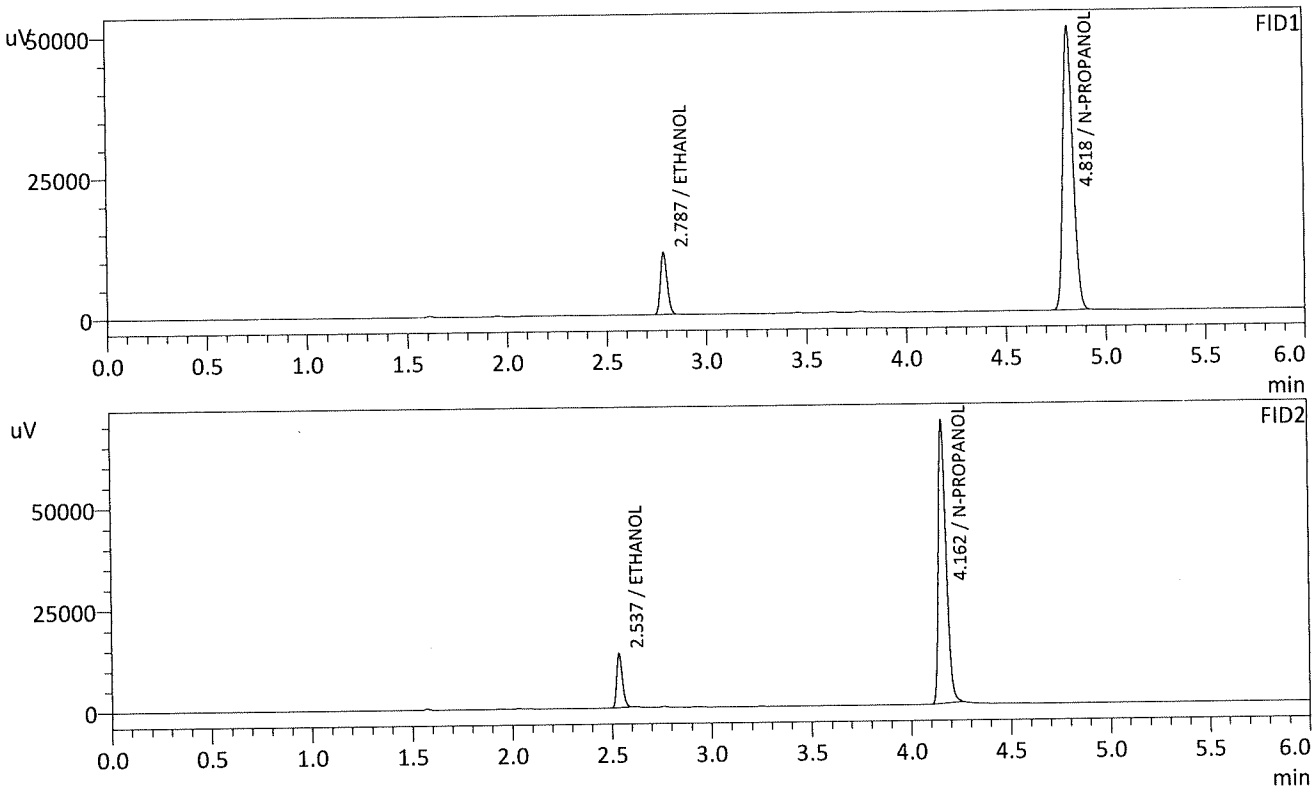

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0738	g/100cc	25634	10929
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176945	50414
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0739	g/100cc	26686	13309
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187072	69365
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC-1-1-B
Vial # : 10
Data Filename : QC-1-1-B_8302022_010.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 3:12:29 PM
Date Processed : 8/31/2022 8:41:43 AM
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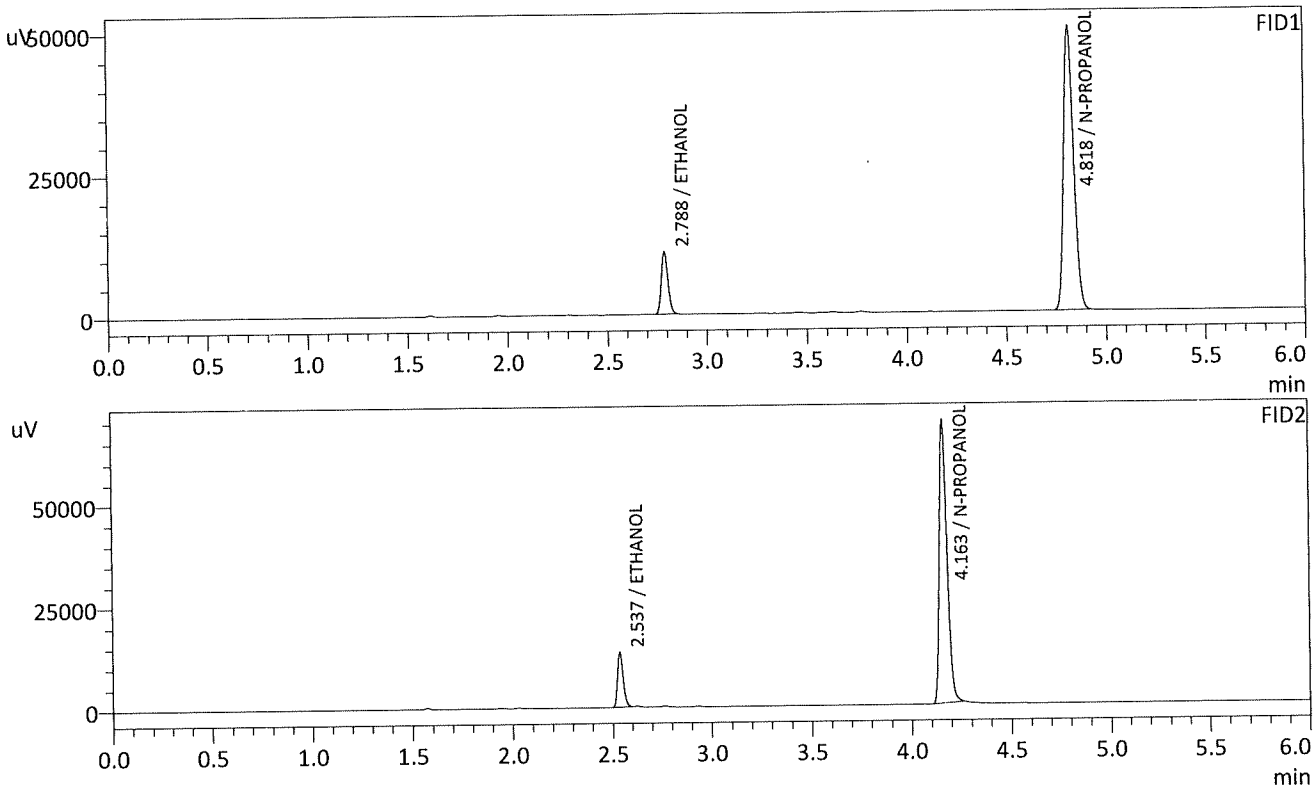

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0741	g/100cc	25573	10901
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175612	50046
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0745	g/100cc	26696	13287
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185599	68538
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.08 QA **Item #** **Analysis Date(s): 08/30/22**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0811	0.0003	0.0809	0.0005	0.0811
(g/100cc)	0.0811	0.0817	0.0006	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.

15

Sample Name : 0.08 QA - A
Vial # : 11
Data Filename : 0.08 QA - A_8302022_011.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 3:21:56 PM
Date Processed : 8/31/2022 8:41:45 AM
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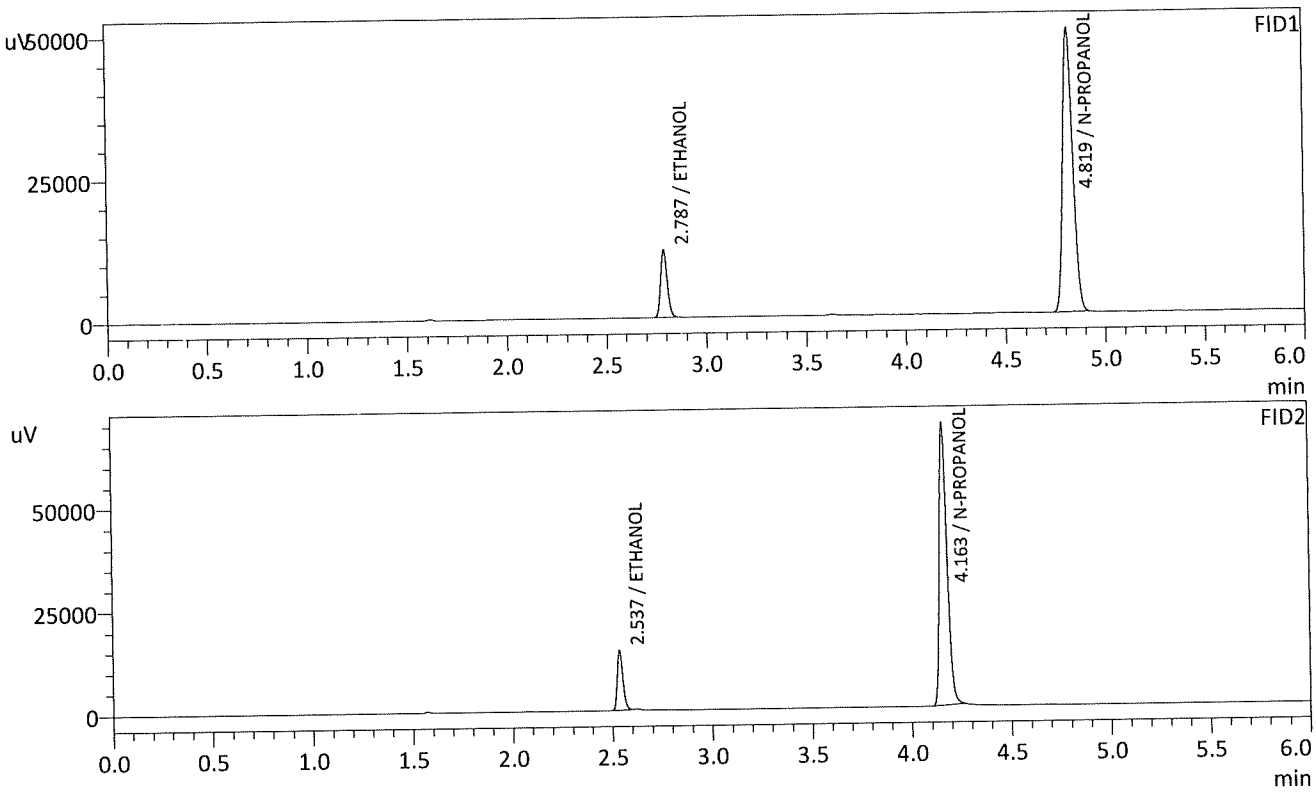

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	27720	11821
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174435	49825
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	28998	14494
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184321	68014
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.08 QA - B
Vial # : 12
Data Filename : 0.08 QA - B_8302022_012.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 3:31:14 PM
Date Processed : 8/31/2022 8:41:46 AM
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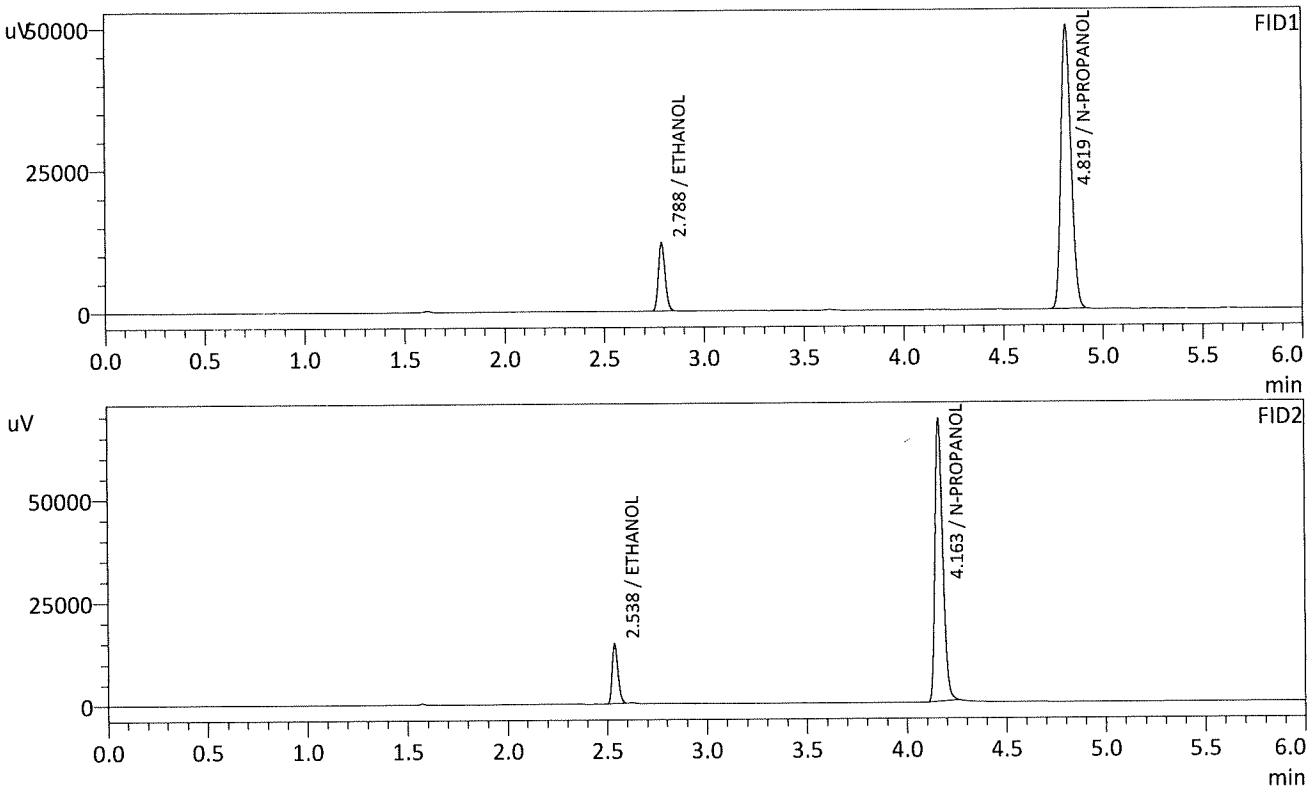

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	27927	11923
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175040	49847
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	29307	14599
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184995	68097
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Item #** **Analysis Date(s): 08/30/22**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2131	0.2130	0.0001	0.2130	0.0019	0.2139
(g/100cc)	0.2148	0.2150	0.0002	0.2149		

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
0.213	0.202	0.224	0.011

Reported Result
0.213

Calibration and control data are stored centrally.

TS

Sample Name : QC-2-1-A
Vial # : 31
Data Filename : QC-2-1-A_8302022_031.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 6:32:18 PM
Date Processed : 8/31/2022 8:42:09 AM
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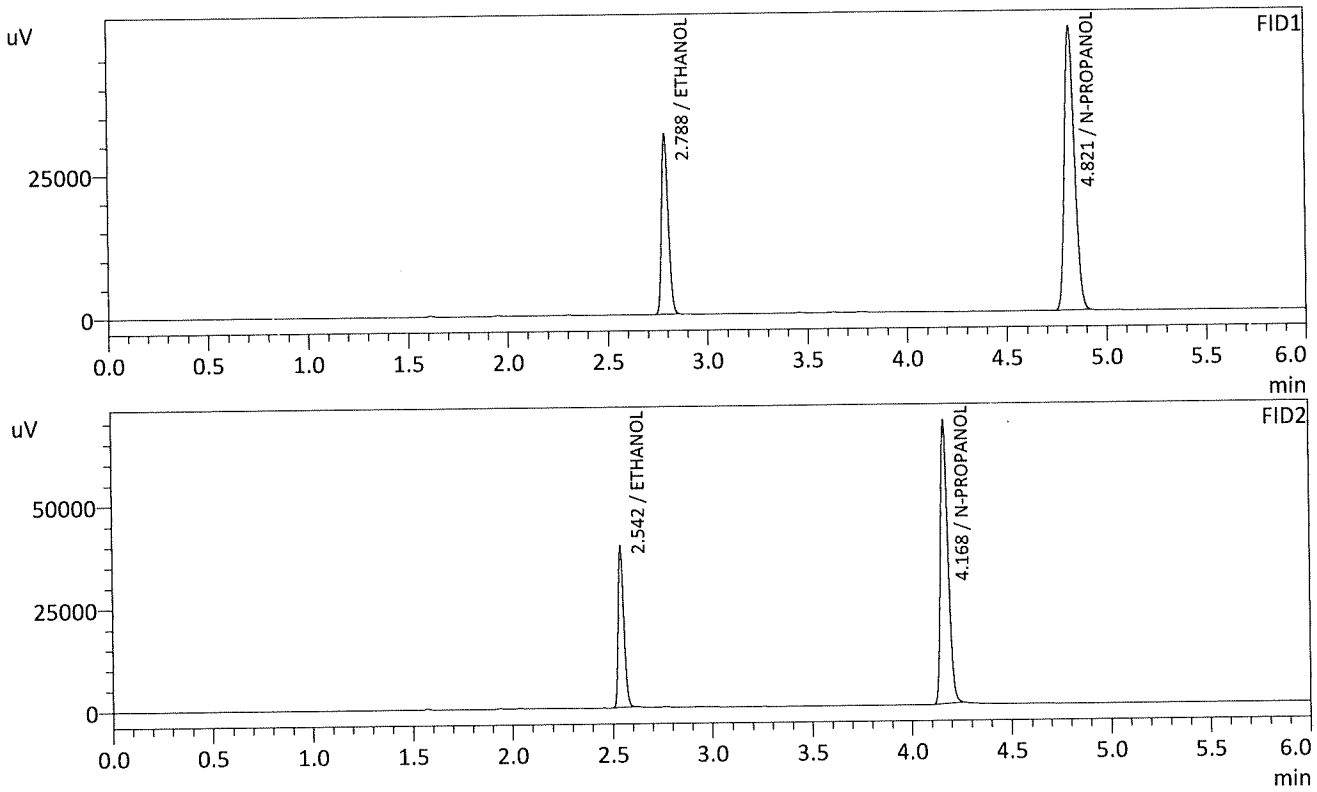

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2131	g/100cc	73394	31400
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173247	49250
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2130	g/100cc	78103	39215
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183072	68291
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC-2-1-B
Vial # : 32
Data Filename : QC-2-1-B_8302022_032.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 6:41:50 PM
Date Processed : 8/31/2022 8:42:10 AM
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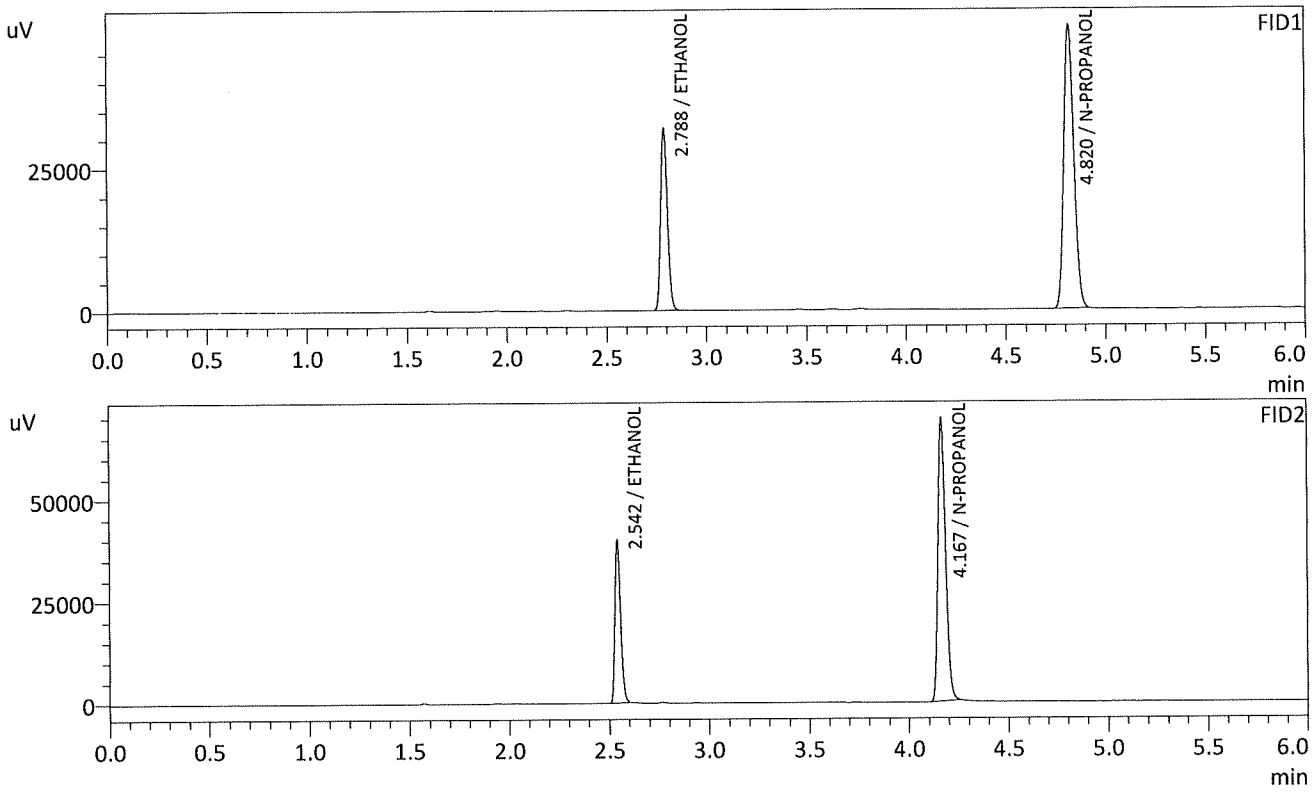

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2148	g/100cc	74414	31806
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174207	49509
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2150	g/100cc	79193	39839
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183923	68913
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Item #** **Analysis Date(s): 08/30/22**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0814	0.0005	0.0811	0.0008	0.0815
(g/100cc)	0.0817	0.0822	0.0005	0.0819		

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.

TS

Sample Name : QC1-2-A
Vial # : 49
Data Filename : QC1-2-A_8302022_049.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 9:23:40 PM
Date Processed : 8/31/2022 8:42:30 AM
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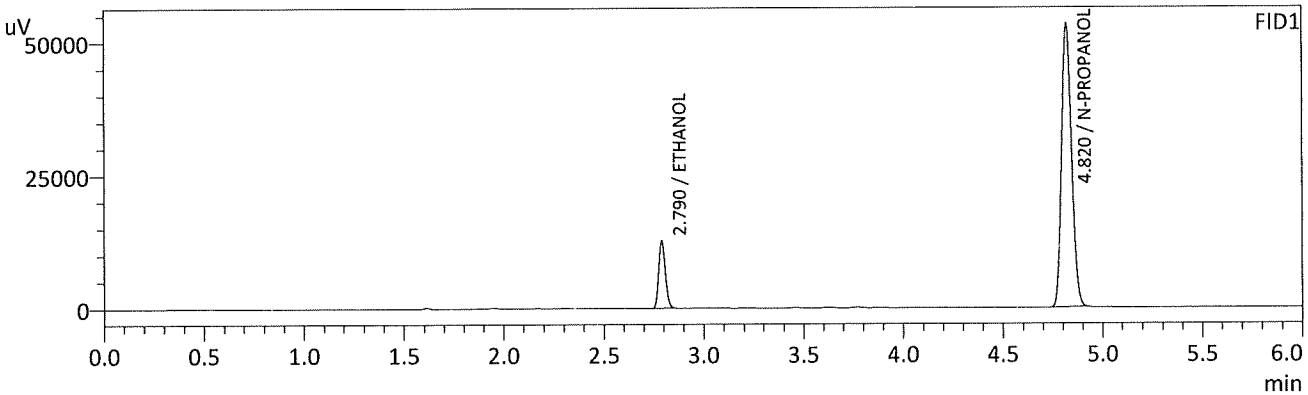

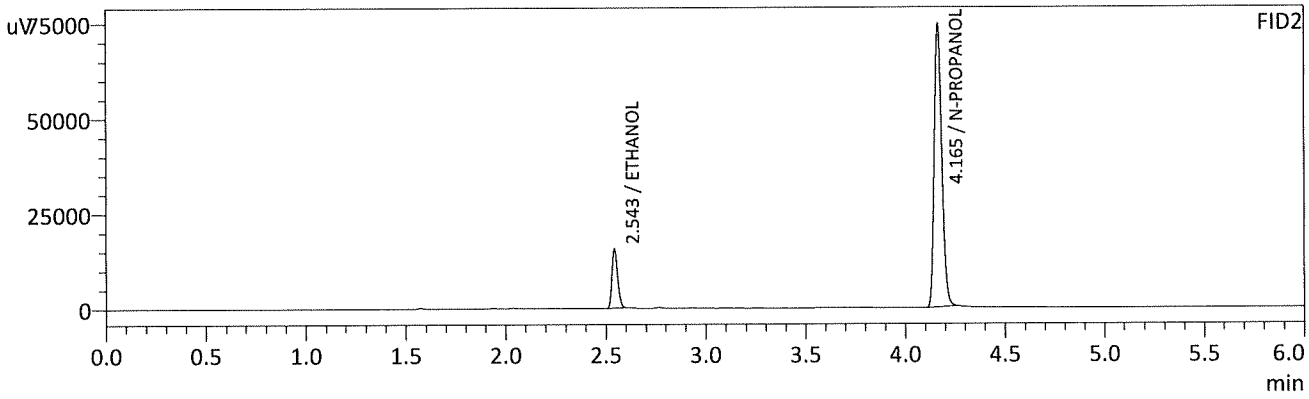

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	29608	12640
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185929	53167
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	31102	15425
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196915	74346
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-2-B
Vial # : 50
Data Filename : QC1-2-B_8302022_050.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 9:33:10 PM
Date Processed : 8/31/2022 8:42:31 AM
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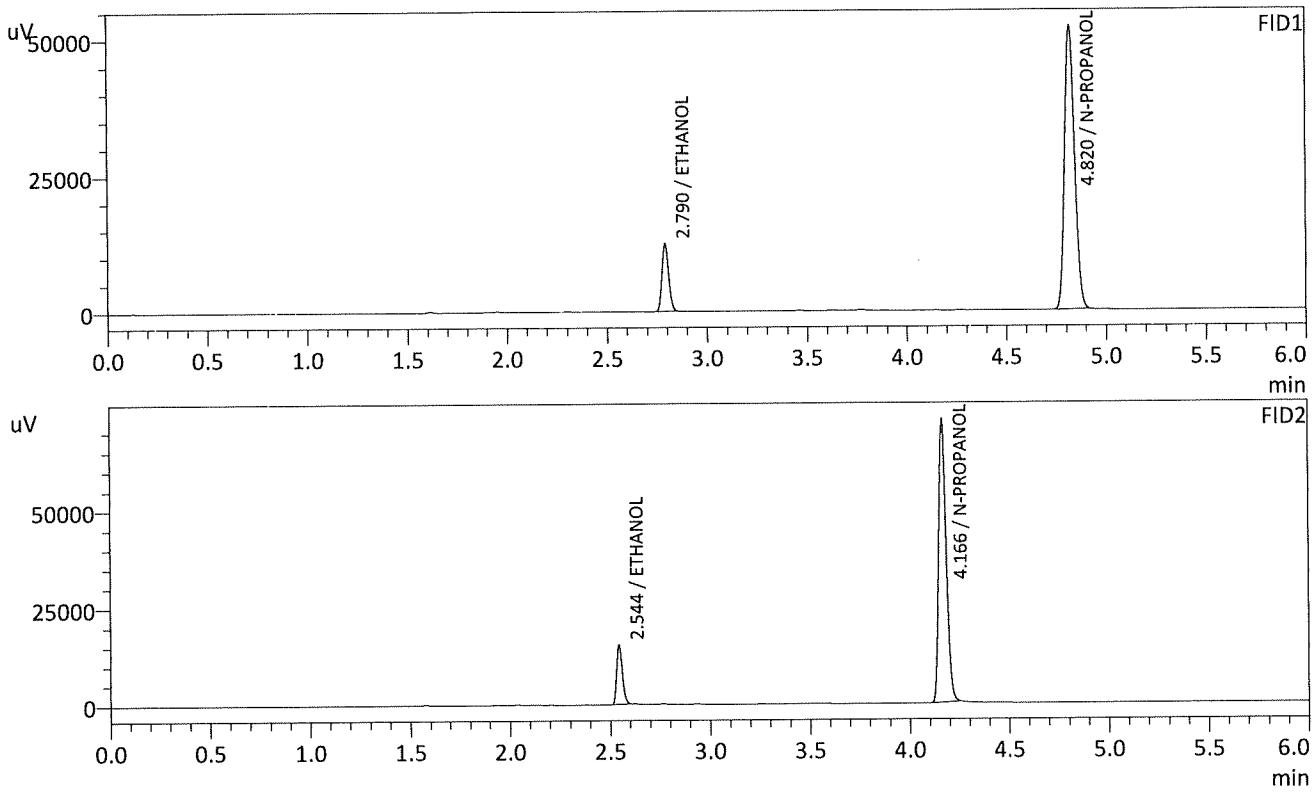


FID1

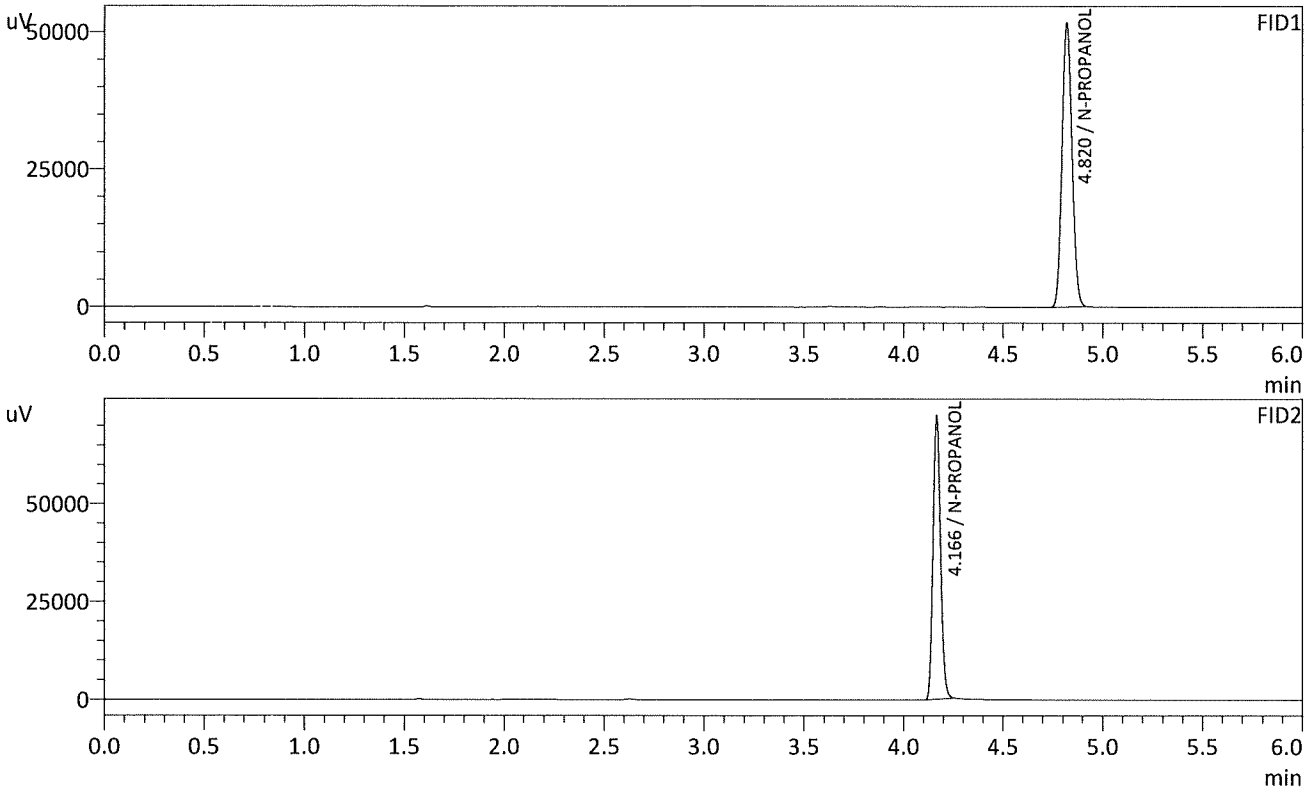
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	29117	12421
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181052	51867
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	30606	15225
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191830	72757
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 3
Vial # : 51
Data Filename : INT STD BLK 3_8302022_051.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 8-30-22 TS.gcb
Date Acquired : 8/30/2022 9:42:27 PM
Date Processed : 8/31/2022 8:42:32 AM
C:\LabSolutions\Data\2022\8-30-22 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	180342	51533
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	191292	72374
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

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm	0.050_8302022_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_8302022_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_8302022_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_8302022_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_8302022_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_8302022_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_8302022_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_8302022_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_8302022_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_8302022_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_8302022_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_8302022_012.gcd	0
13	P2022-2454-1-A	0:Unknown	ALCOHOL.gcm	P2022-2454-1-A_8302022_013.gcd	0
14	P2022-2454-1-B	0:Unknown	ALCOHOL.gcm	P2022-2454-1-B_8302022_014.gcd	0
15	P2022-2638-1-A	0:Unknown	ALCOHOL.gcm	P2022-2638-1-A_8302022_015.gcd	0
16	P2022-2638-1-B	0:Unknown	ALCOHOL.gcm	P2022-2638-1-B_8302022_016.gcd	0
17	P2022-2639-1-A	0:Unknown	ALCOHOL.gcm	P2022-2639-1-A_8302022_017.gcd	0
18	P2022-2639-1-B	0:Unknown	ALCOHOL.gcm	P2022-2639-1-B_8302022_018.gcd	0
19	P2022-2645-1-A	0:Unknown	ALCOHOL.gcm	P2022-2645-1-A_8302022_019.gcd	0
20	P2022-2645-1-B	0:Unknown	ALCOHOL.gcm	P2022-2645-1-B_8302022_020.gcd	0
21	P2022-2655-1-A	0:Unknown	ALCOHOL.gcm	P2022-2655-1-A_8302022_021.gcd	0
22	P2022-2655-1-B	0:Unknown	ALCOHOL.gcm	P2022-2655-1-B_8302022_022.gcd	0
23	P2022-2656-1-A	0:Unknown	ALCOHOL.gcm	P2022-2656-1-A_8302022_023.gcd	0
24	P2022-2656-1B	0:Unknown	ALCOHOL.gcm	P2022-2656-1B_8302022_024.gcd	0
25	P2022-2662-1-A	0:Unknown	ALCOHOL.gcm	P2022-2662-1-A_8302022_025.gcd	0
26	P2022-2662-1-B	0:Unknown	ALCOHOL.gcm	P2022-2662-1-B_8302022_026.gcd	0
27	P2022-2674-1-A	0:Unknown	ALCOHOL.gcm	P2022-2674-1-A_8302022_027.gcd	0
28	P2022-2674-1-B	0:Unknown	ALCOHOL.gcm	P2022-2674-1-B_8302022_028.gcd	0
29	P2022-2675-2-A	0:Unknown	ALCOHOL.gcm	P2022-2675-2-A_8302022_029.gcd	0
30	P2022-2675-2-B	0:Unknown	ALCOHOL.gcm	P2022-2675-2-B_8302022_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_8302022_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_8302022_032.gcd	0
33	P2022-2686-1-A	0:Unknown	ALCOHOL.gcm	P2022-2686-1-A_8302022_033.gcd	0
34	P2022-2686-1-B	0:Unknown	ALCOHOL.gcm	P2022-2686-1-B_8302022_034.gcd	0
35	P2022-2687-1-A	0:Unknown	ALCOHOL.gcm	P2022-2687-1-A_8302022_035.gcd	0
36	P2022-2687-1-B	0:Unknown	ALCOHOL.gcm	P2022-2687-1-B_8302022_036.gcd	0
37	P2022-2688-1-A	0:Unknown	ALCOHOL.gcm	P2022-2688-1-A_8302022_037.gcd	0
38	P2022-2688-1-B	0:Unknown	ALCOHOL.gcm	P2022-2688-1-B_8302022_038.gcd	0
39	P2022-2689-1-A	0:Unknown	ALCOHOL.gcm	P2022-2689-1-A_8302022_039.gcd	0
40	P2022-2689-1-B	0:Unknown	ALCOHOL.gcm	P2022-2689-1-B_8302022_040.gcd	0
41	P2022-2690-1-A	0:Unknown	ALCOHOL.gcm	P2022-2690-1-A_8302022_041.gcd	0
42	P2022-2690-1-B	0:Unknown	ALCOHOL.gcm	P2022-2690-1-B_8302022_042.gcd	0
43	P2022-2712-1-A	0:Unknown	ALCOHOL.gcm	P2022-2712-1-A_8302022_043.gcd	0
44	P2022-2712-1-B	0:Unknown	ALCOHOL.gcm	P2022-2712-1-B_8302022_044.gcd	0
45	P2022-2713-1-A	0:Unknown	ALCOHOL.gcm	P2022-2713-1-A_8302022_045.gcd	0
46	P2022-2713-1-B	0:Unknown	ALCOHOL.gcm	P2022-2713-1-B_8302022_046.gcd	0
47	P2022-2728-1-A	0:Unknown	ALCOHOL.gcm	P2022-2728-1-A_8302022_047.gcd	0
48	P2022-2728-1-B	0:Unknown	ALCOHOL.gcm	P2022-2728-1-B_8302022_048.gcd	0
49	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_8302022_049.gcd	0
50	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_8302022_050.gcd	0
51	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_8302022_051.gcd	0