Worklist: 6087

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2022-3386	1	BCK	Alcohol Analysis
P2022-2586	2	UCK	Alcohol Analysis
P2022-2731	1	BCK	Alcohol Analysis
P2022-2737	1	BCK	Alcohol Analysis
P2022-2745	1	BCK	Alcohol Analysis
P2022-2751	1	BCK	Alcohol Analysis
P2022-2760	1	BCK	Alcohol Analysis
P2022-2763	1	BCK	Alcohol Analysis
P2022-2764	1	BCK	Alcohol Analysis
P2022-2766	1	BCK	Alcohol Analysis
P2022-2785	1	BCK	Alcohol Analysis
P2022-2787	1	BCK	Alcohol Analysis
P2022-2789	1	BCK	Alcohol Analysis
P2022-2790	1	BCK	Alcohol Analysis
P2022-2791	1	BCK	Alcohol Analysis
P2022-2802	1	BCK	Alcohol Analysis
P2022-2804	1	BCK	Alcohol Analysis

REVIEWED
By Jeremy Johnston at 9:29 am, Sep 26, 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):** 9/7/22

Calibration Date: *(if different)*

Worklist #: 6087

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0734 g/100cc
					0.0803 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2104 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp:	2024 October	Lot #	FN06041902 OK	
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	0.1000	0.0999	0.0001	0.0999
200	0.200	0.180 - 0.220	0.1995	0.1987	0.0008	0.1991
300	0.300	0.270 - 0.330	0.2996	0.2988	0.0008	0.2992
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5003	0.5010	0.0007	0.5006

Aqueous Controls

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

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

Internal Standard Monitoring Worksheet

Worklist #:	6087	Run Date(s):	9/7/22

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

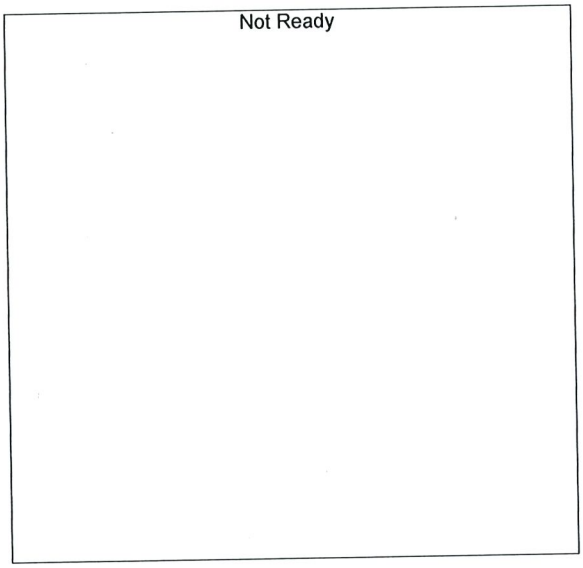
Sample Name	Column 1 Value	Column 2 Value
0.080	172205	181486
0.080	130003	136945
QC1	174737	184204
QC1	173951	183572
QC1	182886	193394
QC1	179594	189740
QC1		
QC1		
QC2	173708	182703
QC2	172999	182242
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	170010.4	136008.3	204012.5
Column 2	179285.8	143428.6	215142.9

Calibration Table

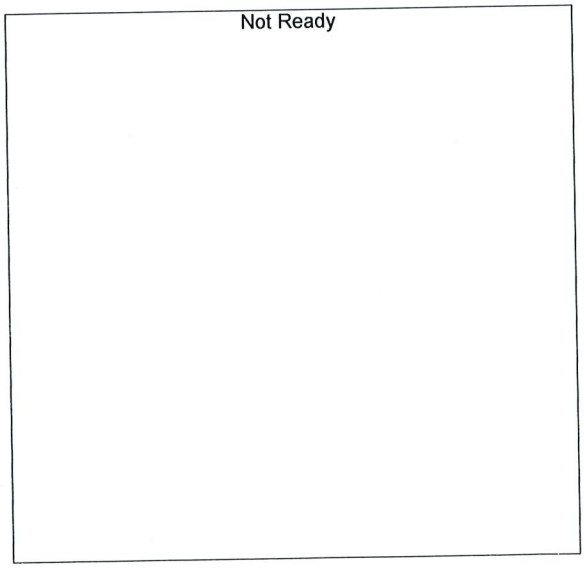
Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Data File>>
Method File :C:\LabSolutions\Data\2022\9-7-22 RC\ALCOHOL.gcm
Batch File :C:\LabSolutions\Data\2022\9-7-22 RC\9-7-22 BATCH POST CURVE.gcb
Date Acquired :9/7/2022 12:34:44 PM
Date Created :9/7/2022 12:31:20 PM
Date Modified :9/7/2022 1:20:59 PM



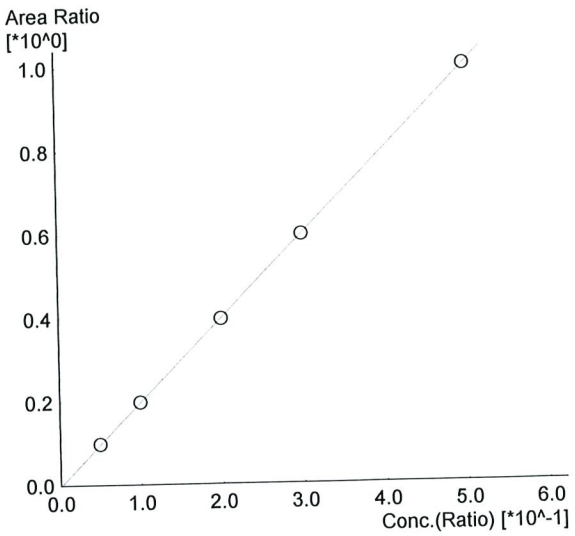
Name : METHANOL
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



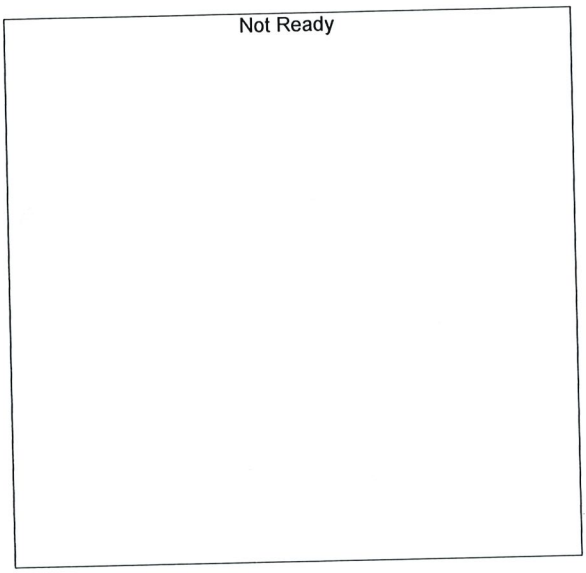
Name : ACETALDEHYDE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



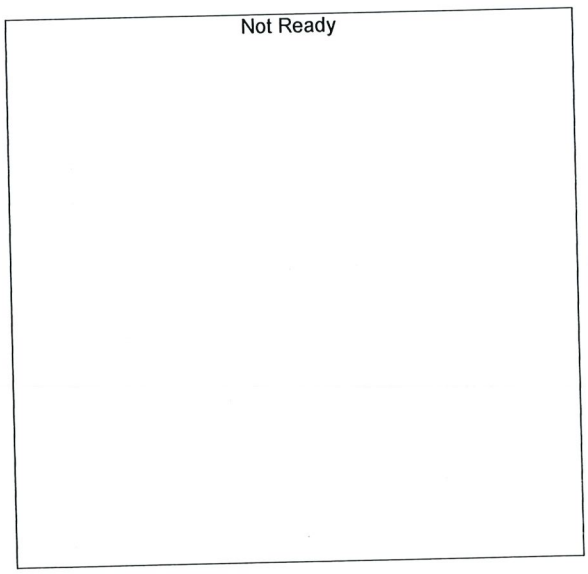
Name : ETHANOL
Detector Name: FID1
Function : f(x)=1.99954*x-0.00247645
R^2 value= 0.9999961
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16474	0.0503	0.050_972022_001.gcd
2	0.100	33565	0.1000	0.100_972022_002.gcd
3	0.200	67983	0.1995	0.200_972022_003.gcd
4	0.300	102948	0.2996	0.300_972022_004.gcd
5	0.500	173391	0.5003	0.500_972022_005.gcd



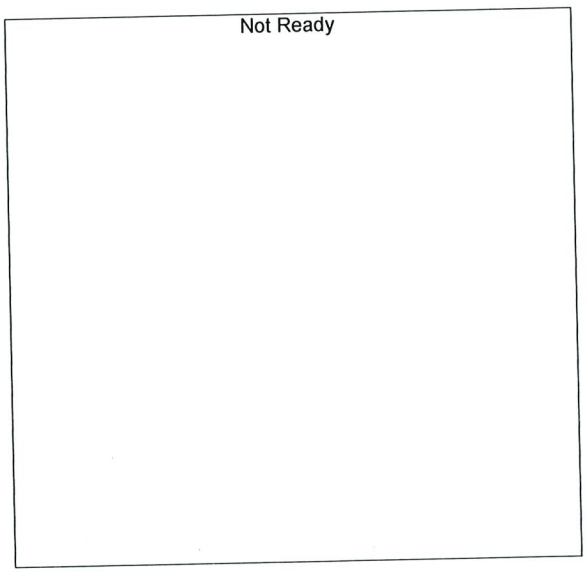
Name : ISOPROPYL ALCOHOL
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



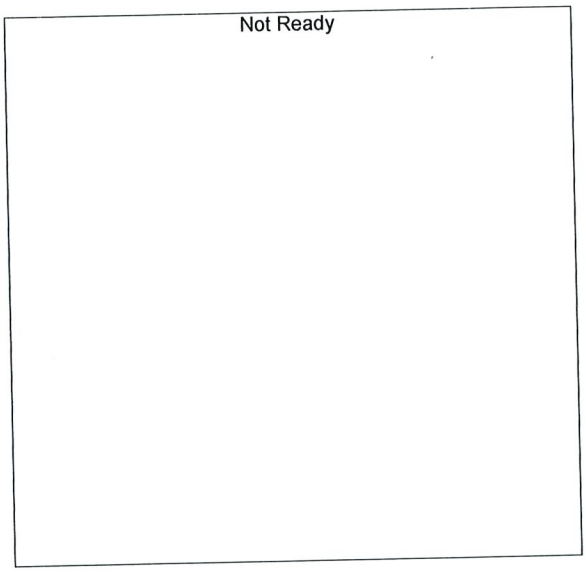
Name : ACETONE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



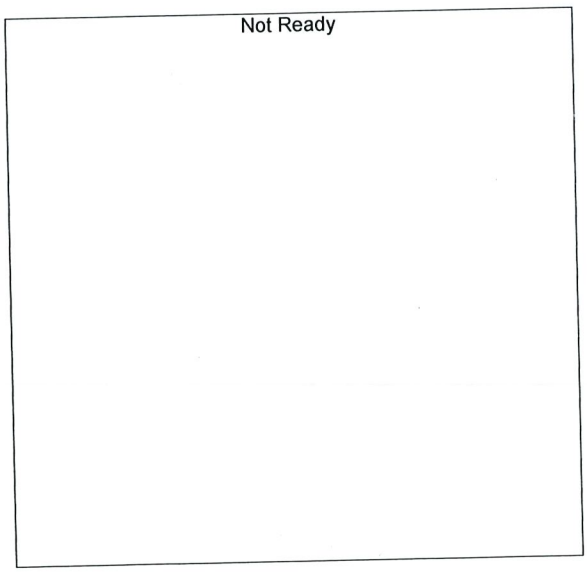
Name : DFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



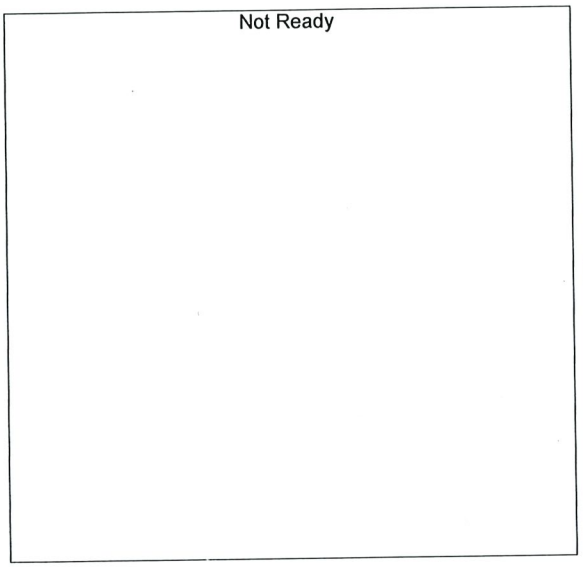
Name : TFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



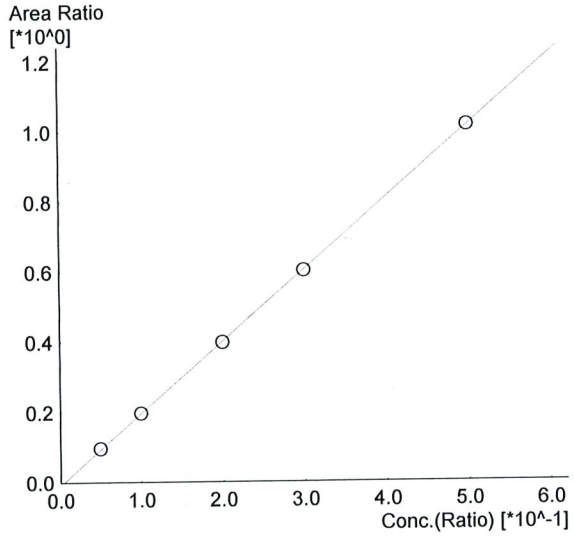
Name : ACETALDEHYDE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



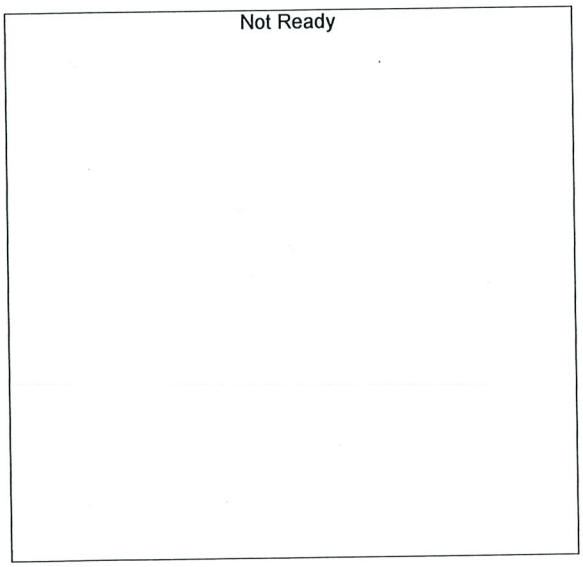
Name : METHANOL
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



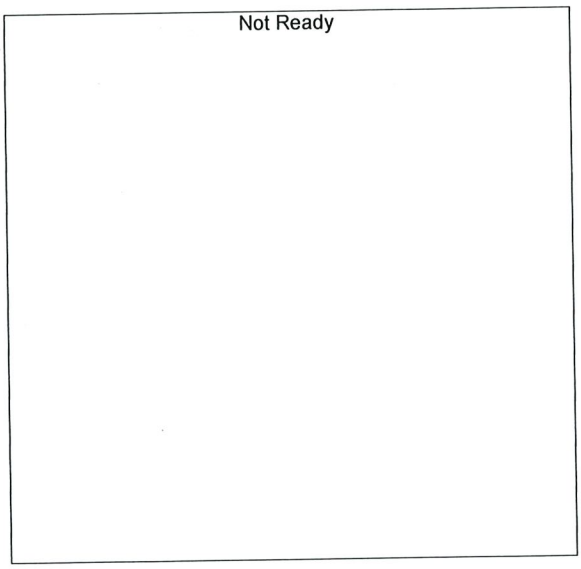
Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.04498*x-0.00880101
R^2 value= 0.9999552 ✓
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16922	0.0513	0.050_972022_001.gcd
2	0.100	34984	0.0999	0.100_972022_002.gcd
3	0.200	71693	0.1987	0.200_972022_003.gcd
4	0.300	109131	0.2988	0.300_972022_004.gcd
5	0.500	185233	0.5010	0.500_972022_005.gcd



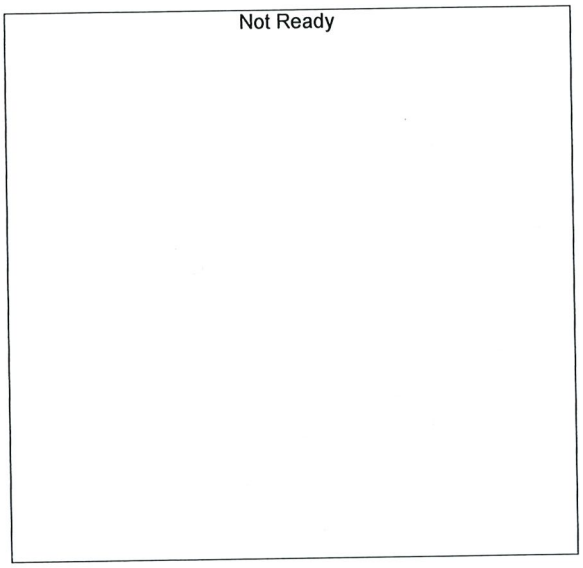
Name : ACETONE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



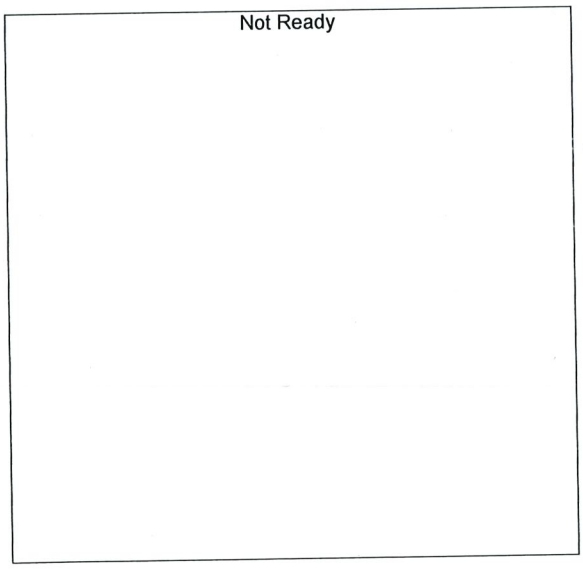
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

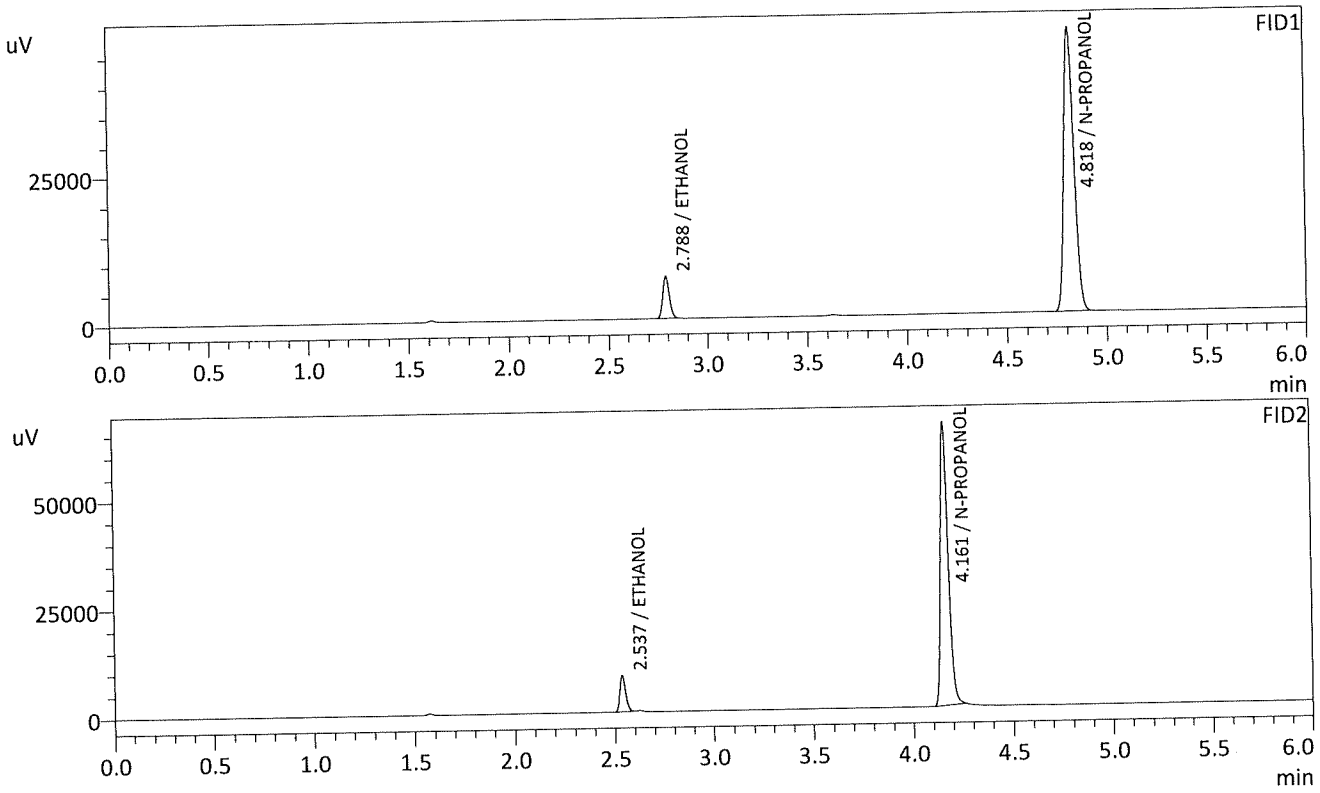
#	Conc.	Area	Std. Conc.	Data File Name



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_972022_001.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH POST CURVE.gcb
Date Acquired : 9/7/2022 11:56:38 AM
Date Processed : 9/7/2022 1:20:53 PM
C:\LabSolutions\Data\2022\9-7-22 RC\ALCOHOL.gcm



FID1

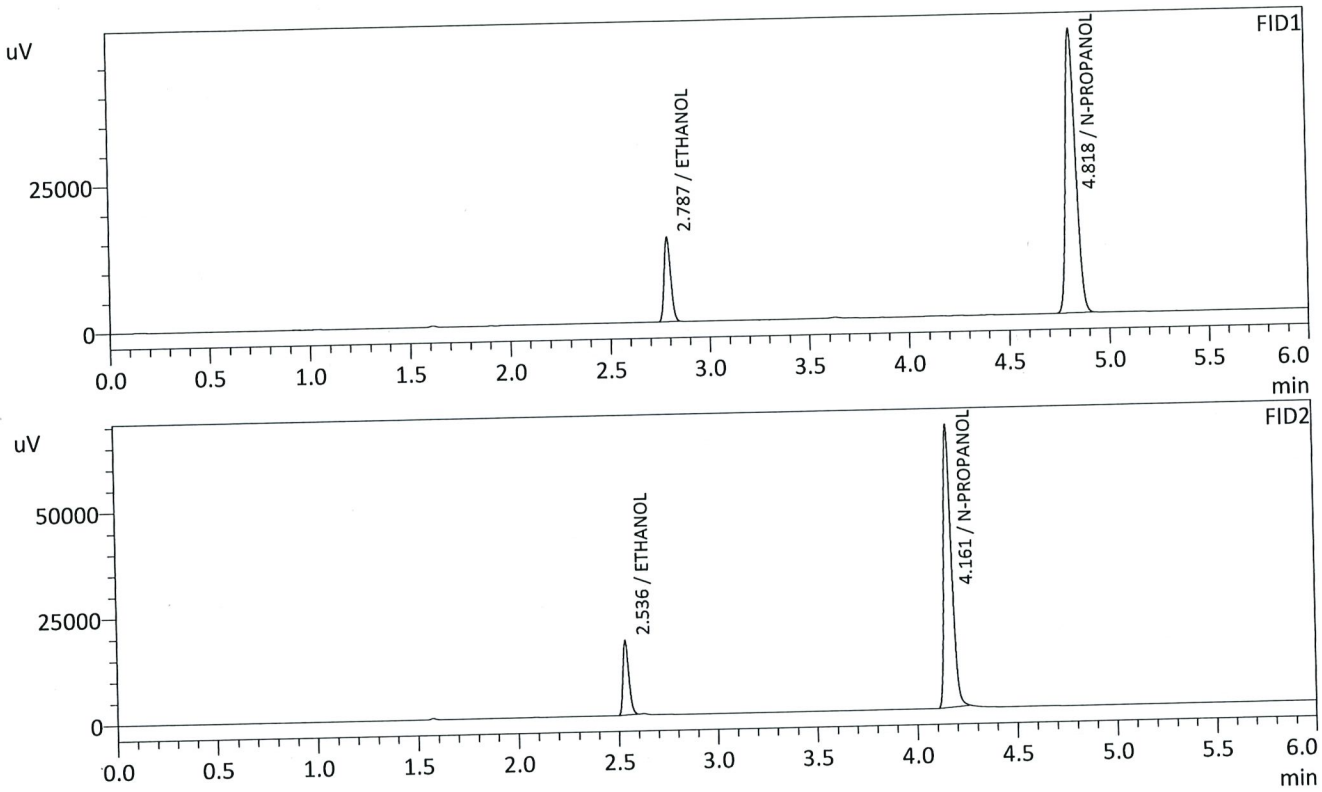
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0503	g/100cc	16474	7042
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167753	47764
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0513	g/100cc	16922	8365
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175914	65250
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
Vial # : 2
Data Filename : 0.100_972022_002.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH POST CURVE.gcb
Date Acquired : 9/7/2022 12:06:07 PM
Date Processed : 9/7/2022 1:20:55 PM
C:\LabSolutions\Data\2022\9-7-22 RC\ALCOHOL.gcm



FID1

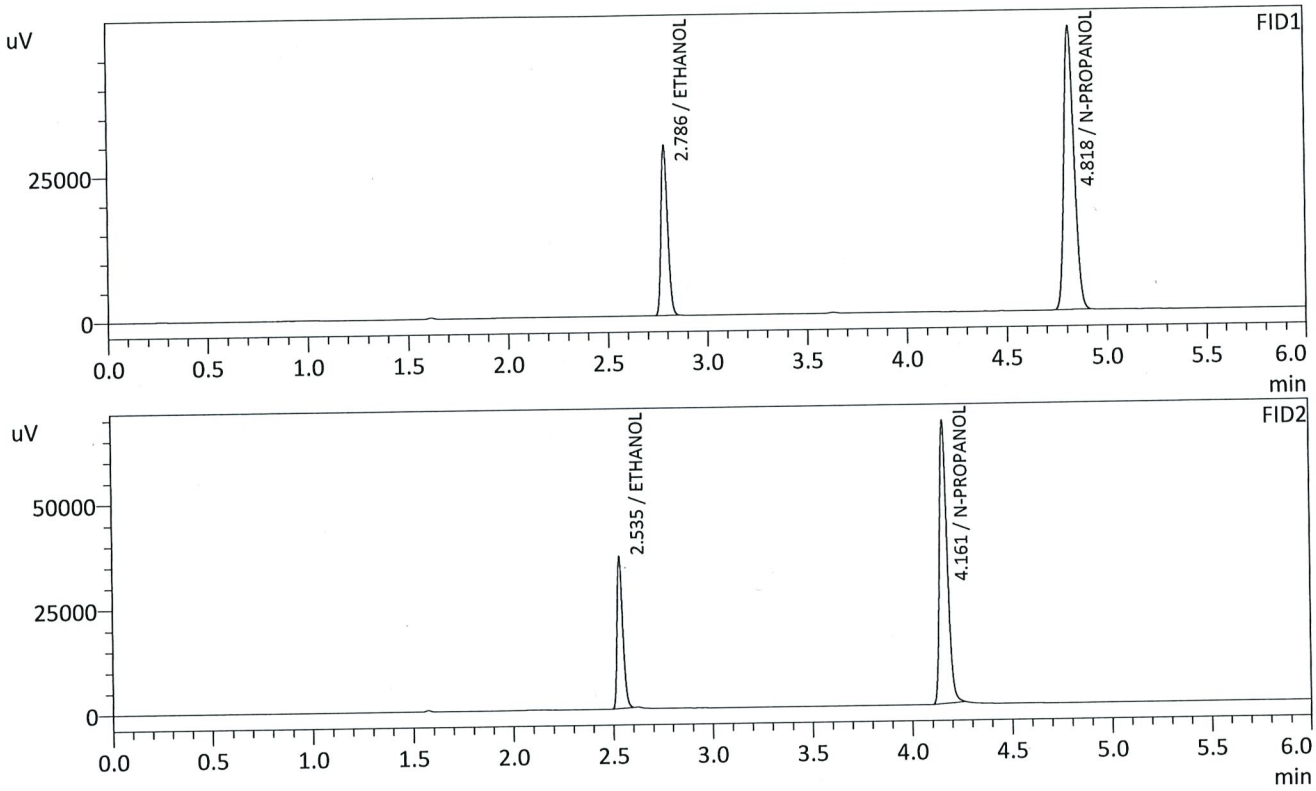
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1000	g/100cc	33565	14367
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169833	48394
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0999	g/100cc	34984	17460
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178779	66459
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
Vial # : 3
Data Filename : 0.200_972022_003.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH POST CURVE.gcb
Date Acquired : 9/7/2022 12:15:29 PM
Date Processed : 9/7/2022 1:20:56 PM
C:\LabSolutions\Data\2022\9-7-22 RC\ALCOHOL.gcm



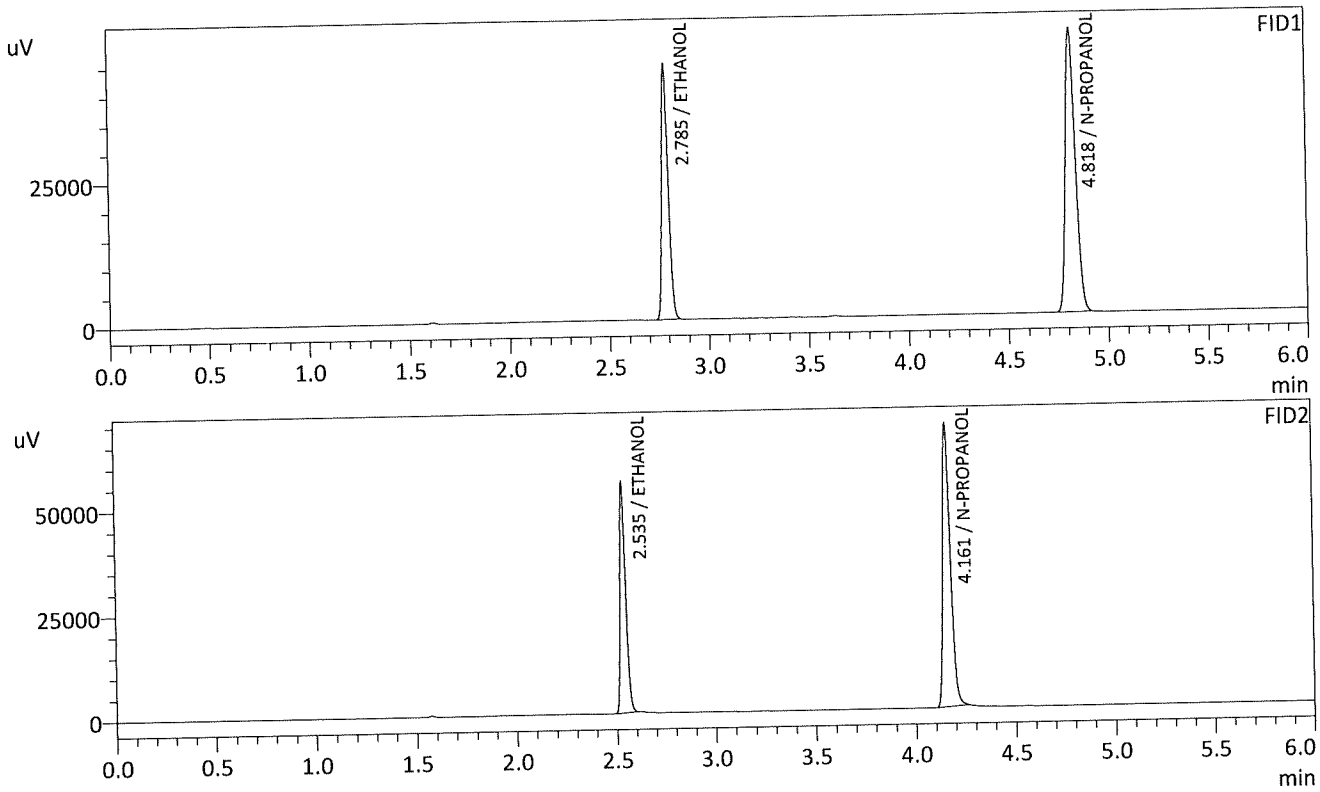
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1995	g/100cc	67983	28987
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171426	48876
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1987	g/100cc	71693	35767
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180296	67183
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.300
Vial # : 4
Data Filename : 0.300_972022_004.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH POST CURVE.gcb
Date Acquired : 9/7/2022 12:25:13 PM
Date Processed : 9/7/2022 1:20:58 PM
C:\LabSolutions\Data\2022\9-7-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2996	g/100cc	102948	44125
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172509	49211
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2988	g/100cc	109131	54338
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181167	67569
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
Vial # : 5
Data Filename : 0.500_972022_005.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH POST CURVE.gcb
Date Acquired : 9/7/2022 12:34:44 PM
Date Processed : 9/7/2022 1:20:59 PM
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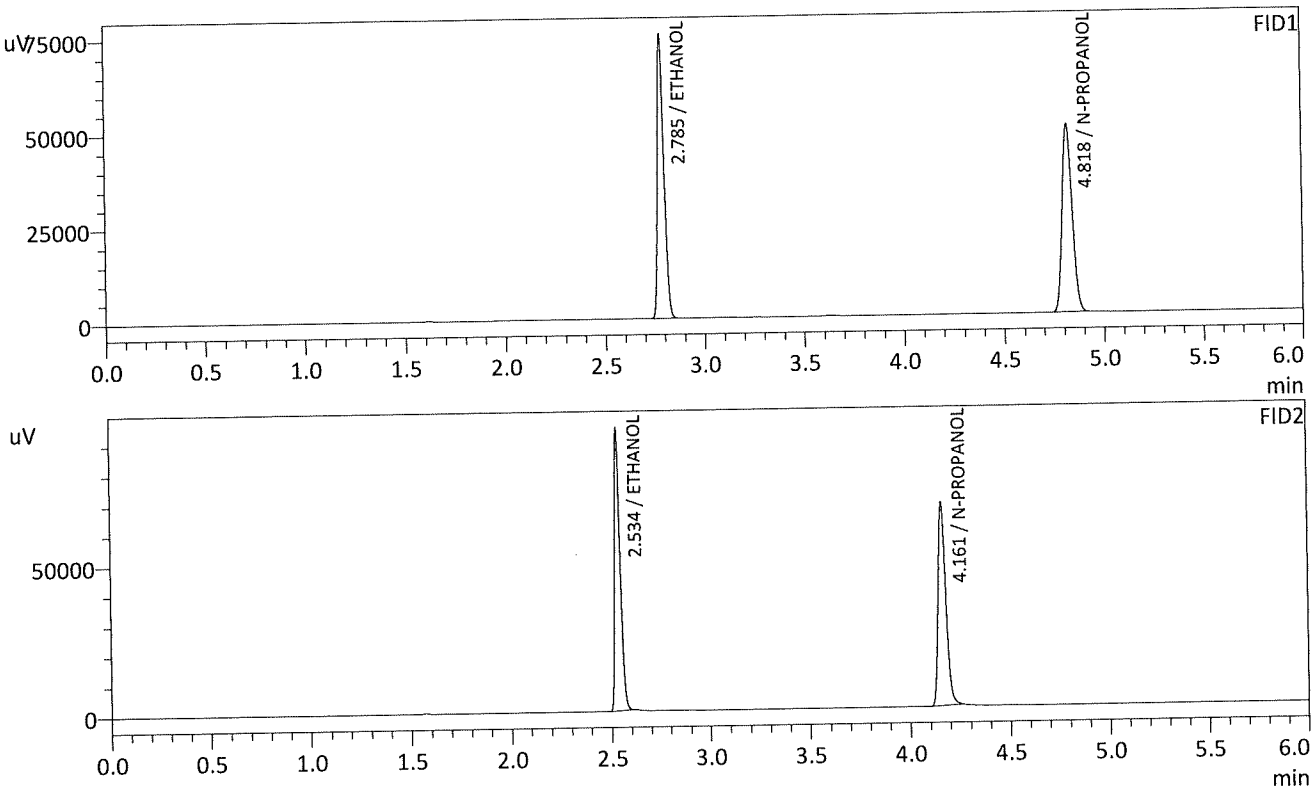

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5003	g/100cc	173391	74777
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173756	49617
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5010	g/100cc	185233	92424
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182347	67677
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : INT STD BLK 1
Vial # : 6
Data Filename : INT STD BLK 1_972022_006.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 12:44:01 PM
Date Processed : 9/7/2022 12:50:03 PM
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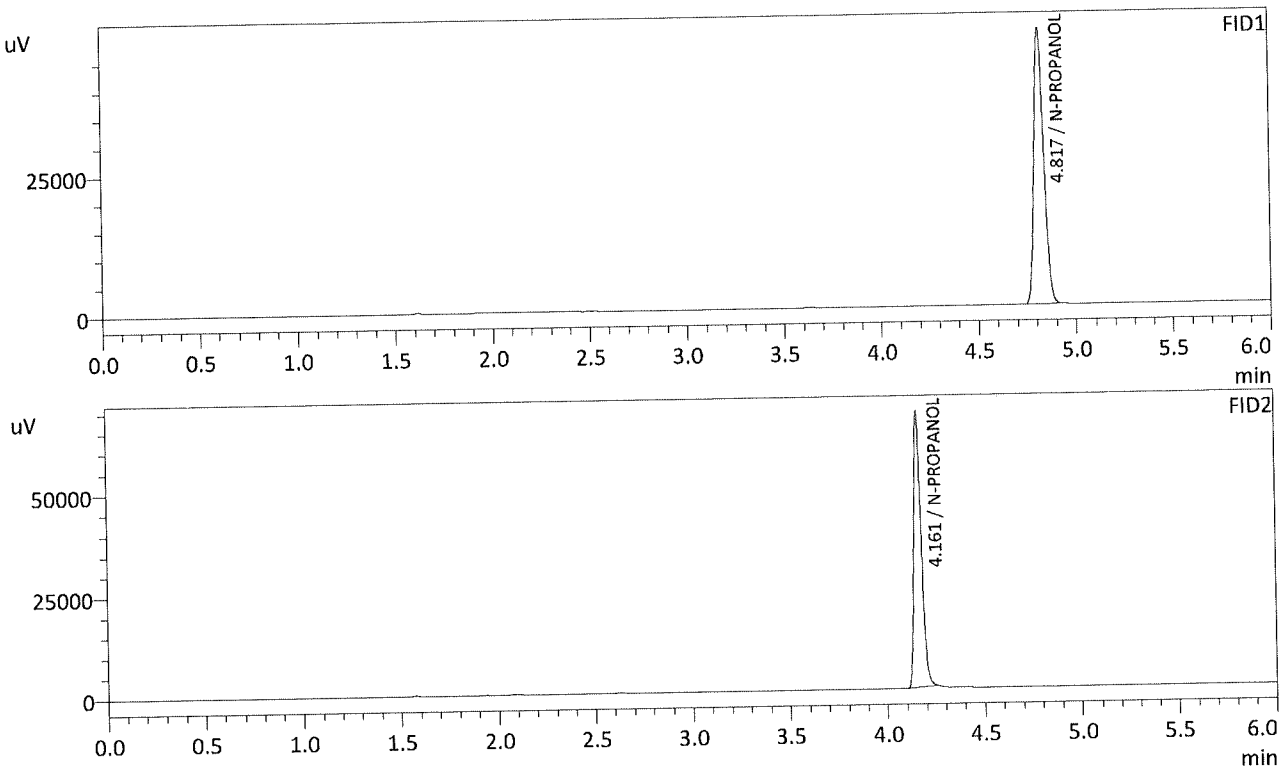

FID1

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	172267	49131
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	181634	67617
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX
Vial # : 7
Data Filename : MULTI-COMP MIX_972022_007.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 12:53:47 PM
Date Processed : 9/7/2022 12:59:47 PM
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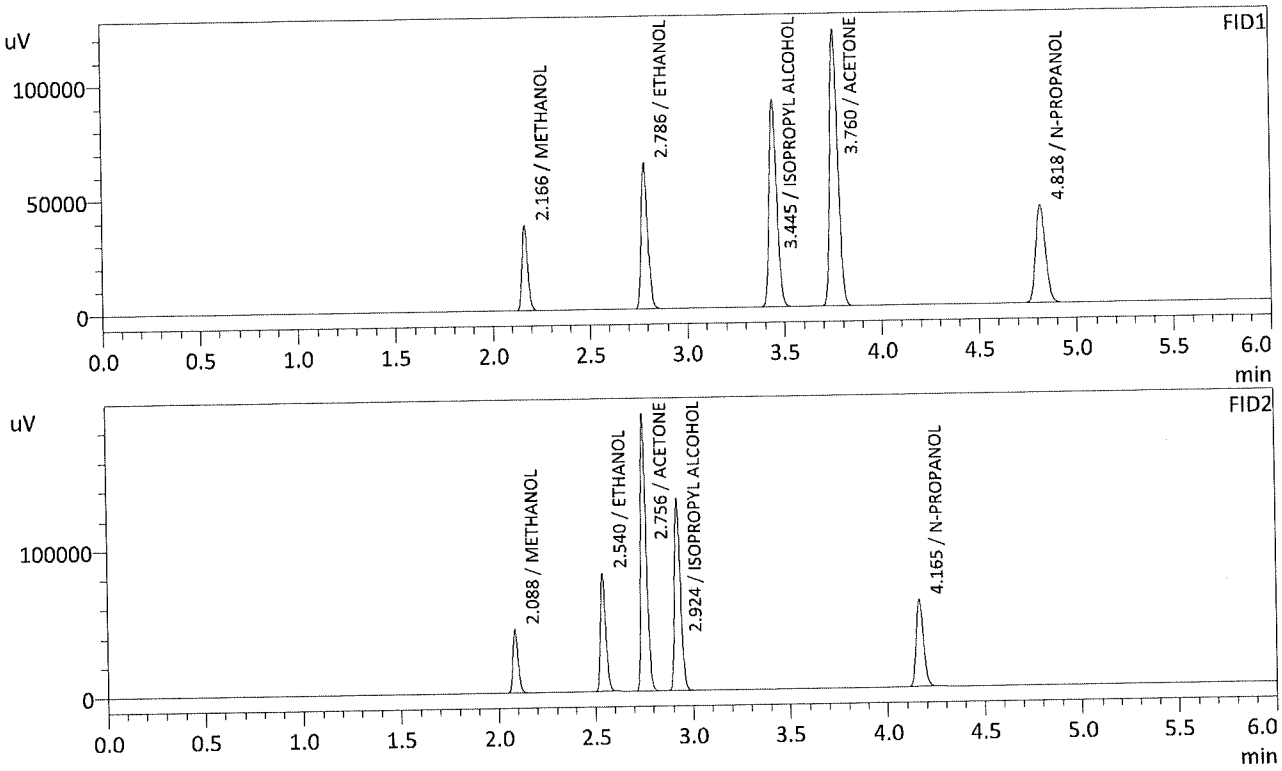


FID1

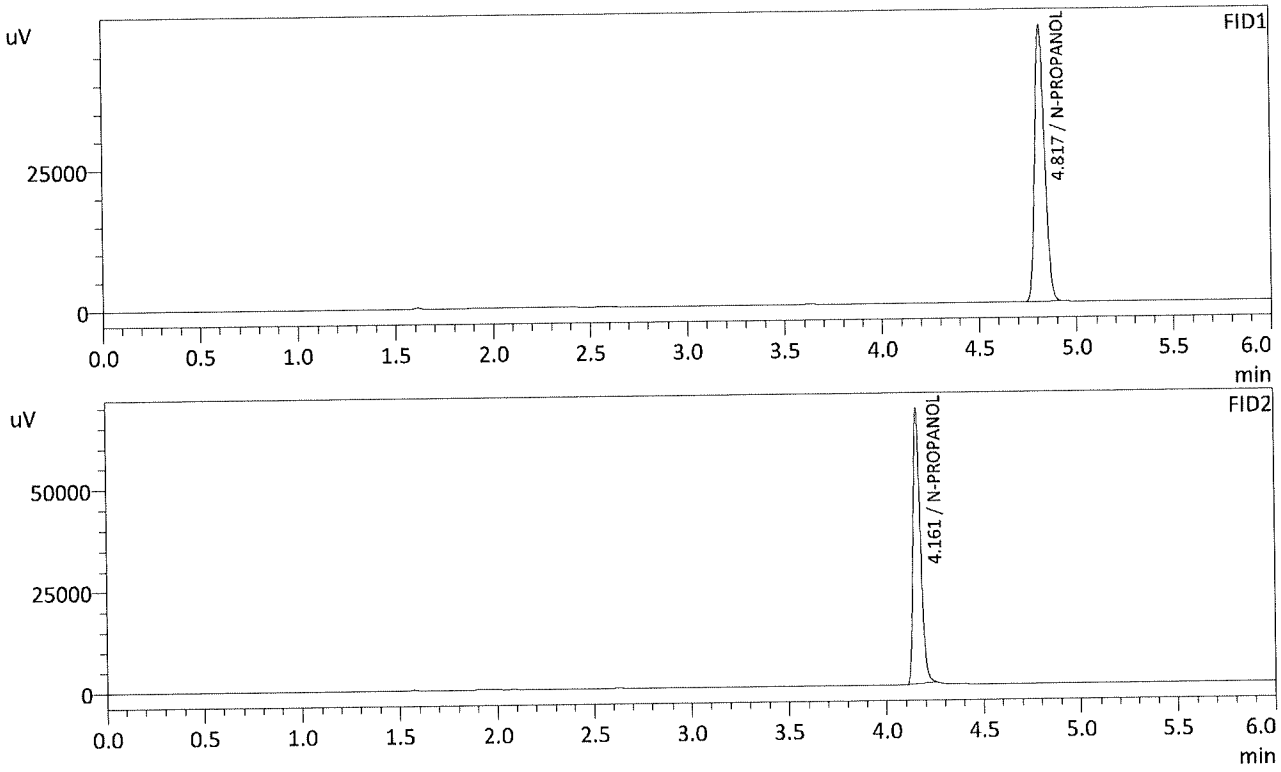
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	74054	36523
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.4906	g/100cc	144065	62716
ISOPROPYL ALCOHOL	0.0000	g/100cc	247897	89816
ACETONE	0.0000	g/100cc	341245	120541
N-PROPANOL	0.0000	g/100cc	147217	42443
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	79212	42893
ETHANOL	0.4941	g/100cc	155937	80026
ACETONE	0.0000	g/100cc	370612	188012
ISOPROPYL ALCOHOL	0.0000	g/100cc	268517	130740
N-PROPANOL	0.0000	g/100cc	155665	59191
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : INT STD BLK 2
Vial # : 8
Data Filename : INT STD BLK 2_972022_008.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 1:03:17 PM
Date Processed : 9/7/2022 1:09:19 PM
C:\LabSolutions\Data\2022\9-7-22 RC\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	172002	48997
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	181249	67649
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Item #** **Analysis Date(s): 9/7/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0732	0.0736	0.0004	0.0734	0.0001	0.0734
(g/100cc)	0.0734	0.0736	0.0002	0.0735		

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
0.073	0.069	0.077	0.004

Reported Result

0.073

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Vial # : 9
Data Filename : QC-1-1-A_972022_009.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 1:12:35 PM
Date Processed : 9/7/2022 1:18:36 PM
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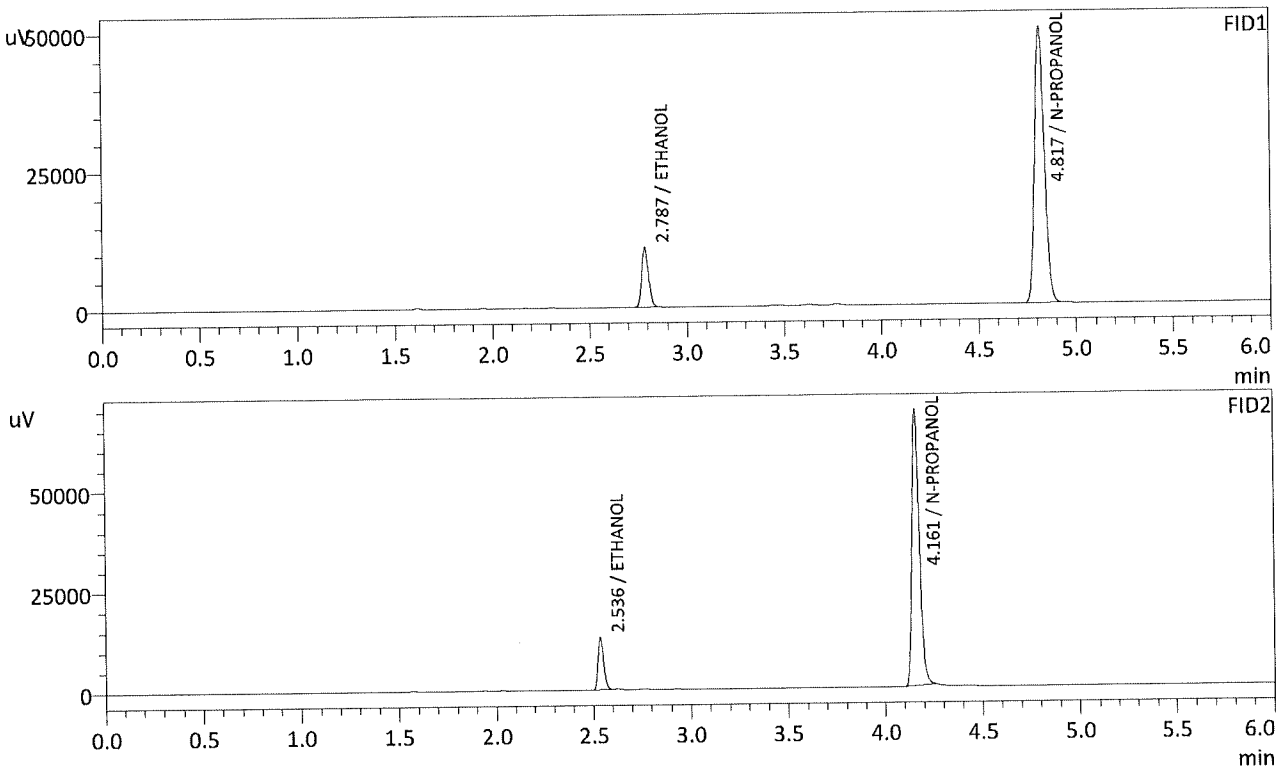

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0732	g/100cc	25152	10715
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174737	49785
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0736	g/100cc	26132	12997
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184204	68615
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC-1-1-B
Vial # : 10
Data Filename : QC-1-1-B_972022_010.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 1:22:20 PM
Date Processed : 9/7/2022 1:28:22 PM
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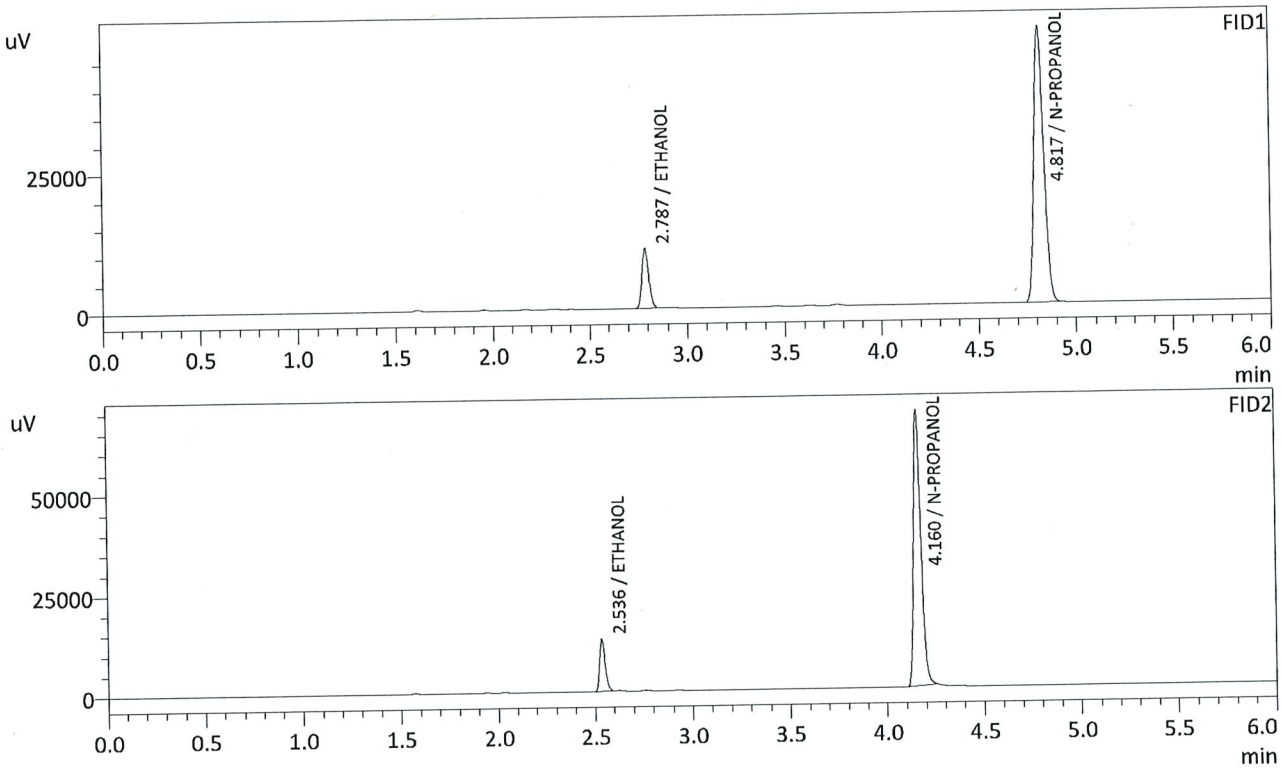

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0734	g/100cc	25104	10695
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173951	49431
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0736	g/100cc	26044	12961
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183572	68425
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Item #** **Analysis Date(s): 9/7/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0806	0.0002	0.0805	0.0003	0.0806
(g/100cc)	0.0809	0.0808	0.0001	0.0808		

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
0.080	0.076	0.084	0.004

Reported Result
0.080

Calibration and control data are stored centrally.

Sample Name : 0.08 QA - A
Vial # : 11
Data Filename : 0.08 QA - A_972022_011.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 1:31:51 PM
Date Processed : 9/7/2022 1:37:52 PM
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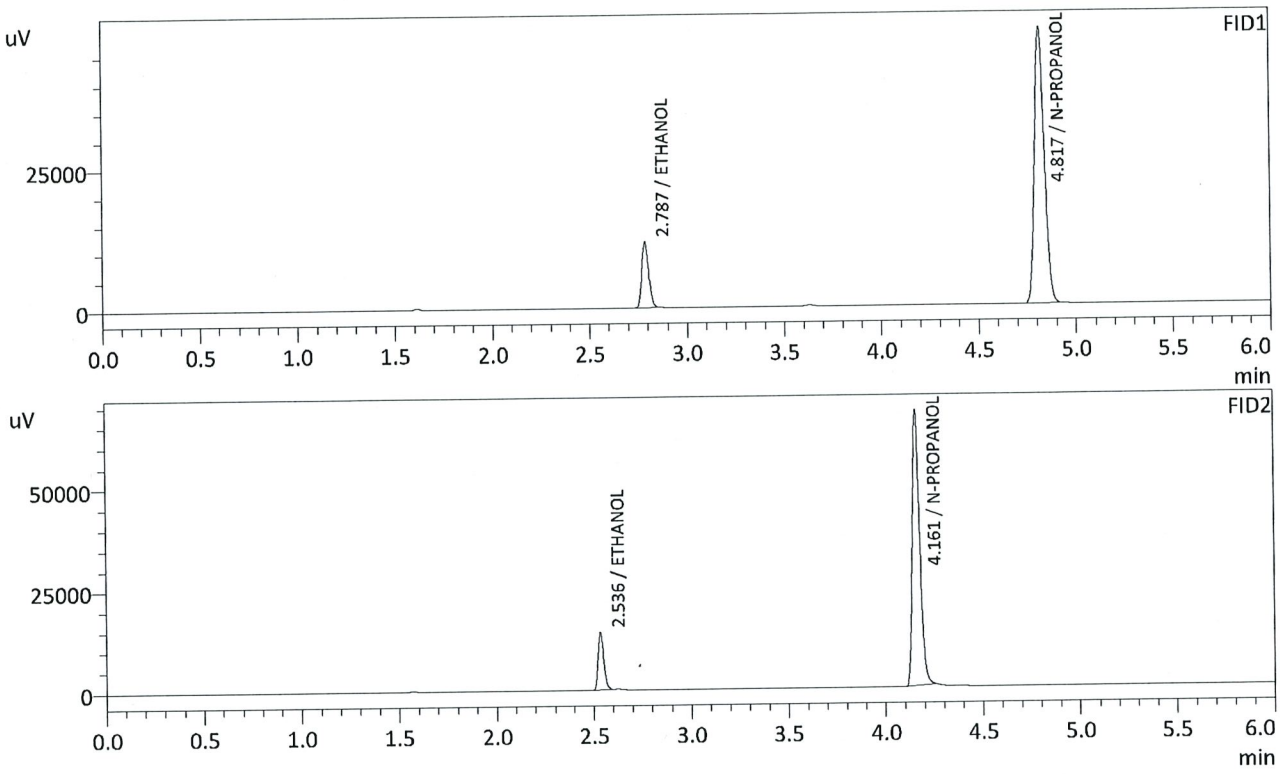

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	27269	11605
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172205	49046
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	28334	14105
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181486	67684
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.08 QA - B
Vial # : 12
Data Filename : 0.08 QA - B_972022_012.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 1:41:08 PM
Date Processed : 9/7/2022 1:47:11 PM
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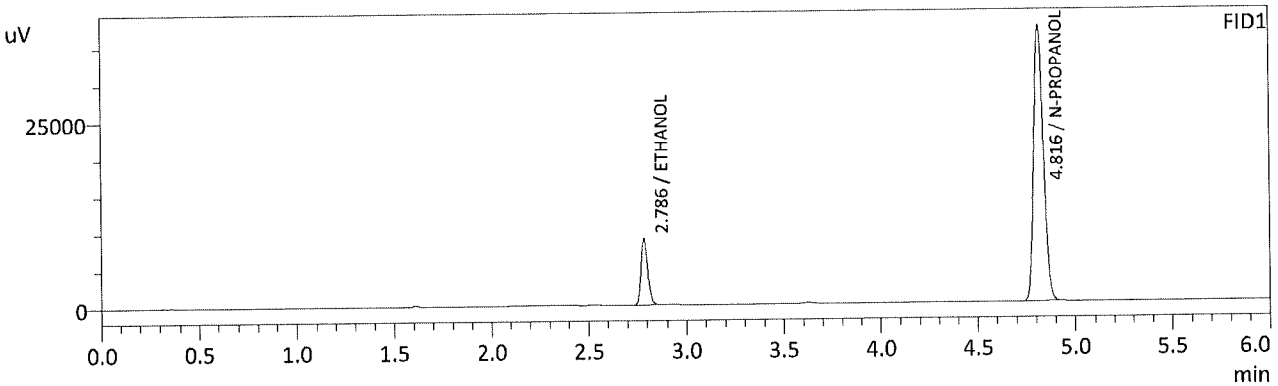

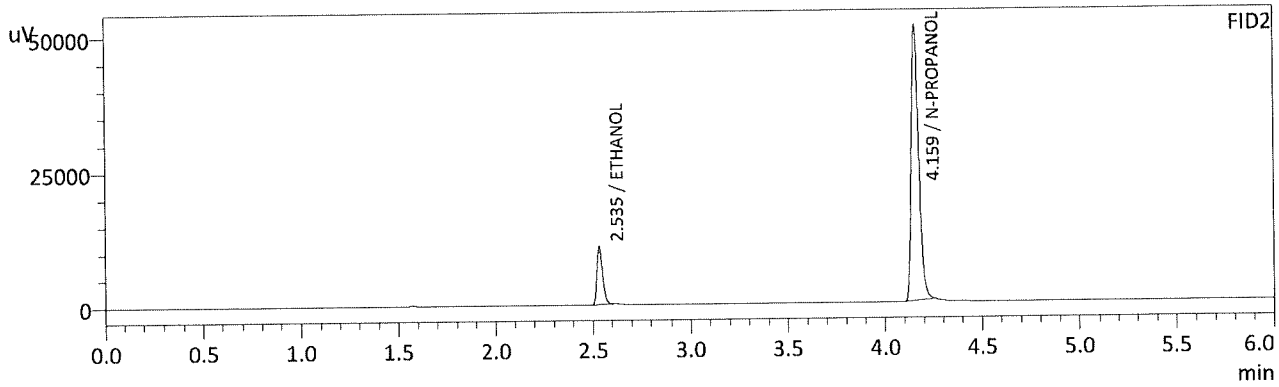

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	20708	8932
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	130003	37110
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	21444	10602
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	136945	50726
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2 **Item #** **Analysis Date(s): 9/7/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2104	0.2113	0.0009	0.2108	0.0009	0.2104
(g/100cc)	0.2097	0.2102	0.0005	0.2099		

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
0.210	**0.199**	**0.221**	**0.011**

Reported Result
0.210

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Vial # : 31
Data Filename : QC-2-1-A_972022_031.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 4:42:11 PM
Date Processed : 9/7/2022 4:48:13 PM
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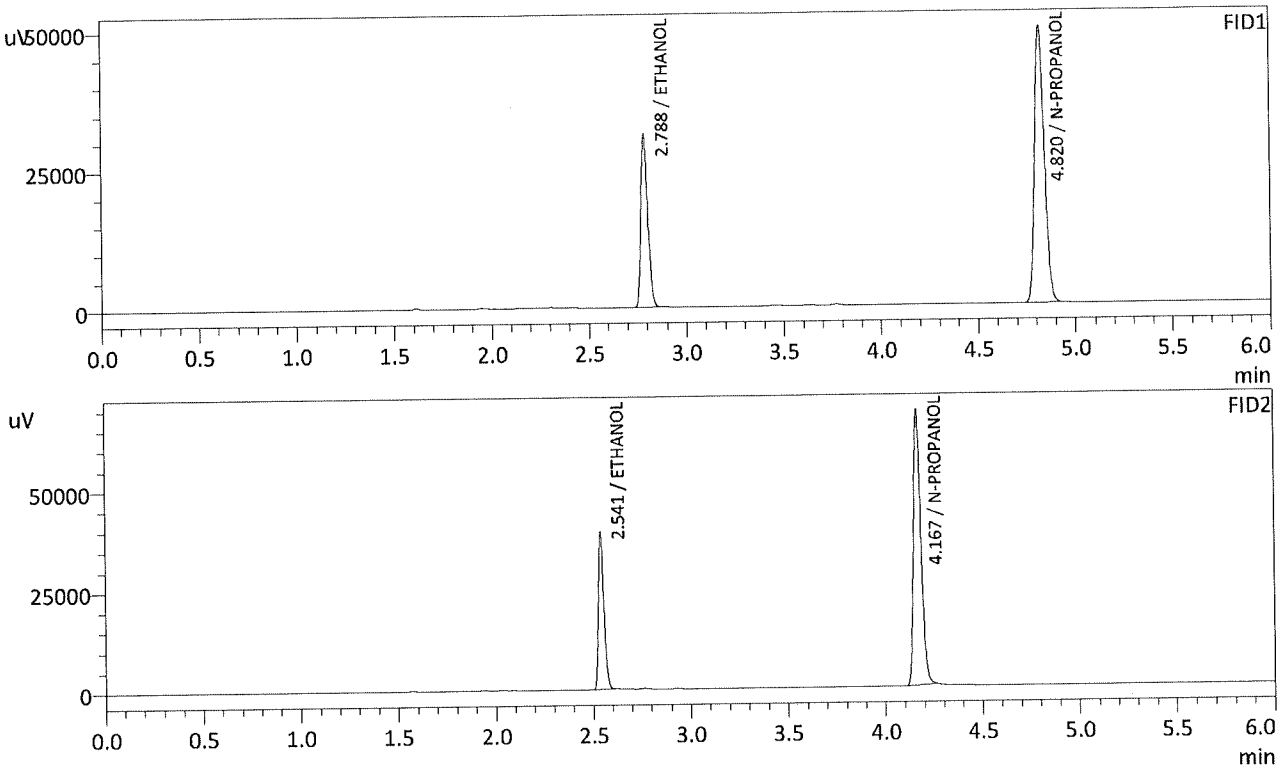

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2104	g/100cc	72669	31028
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173708	49525
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2113	g/100cc	77361	38865
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182703	68068
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC-2-1-B
Vial # : 32
Data Filename : QC-2-1-B_972022_032.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 4:51:43 PM
Date Processed : 9/7/2022 4:57:44 PM
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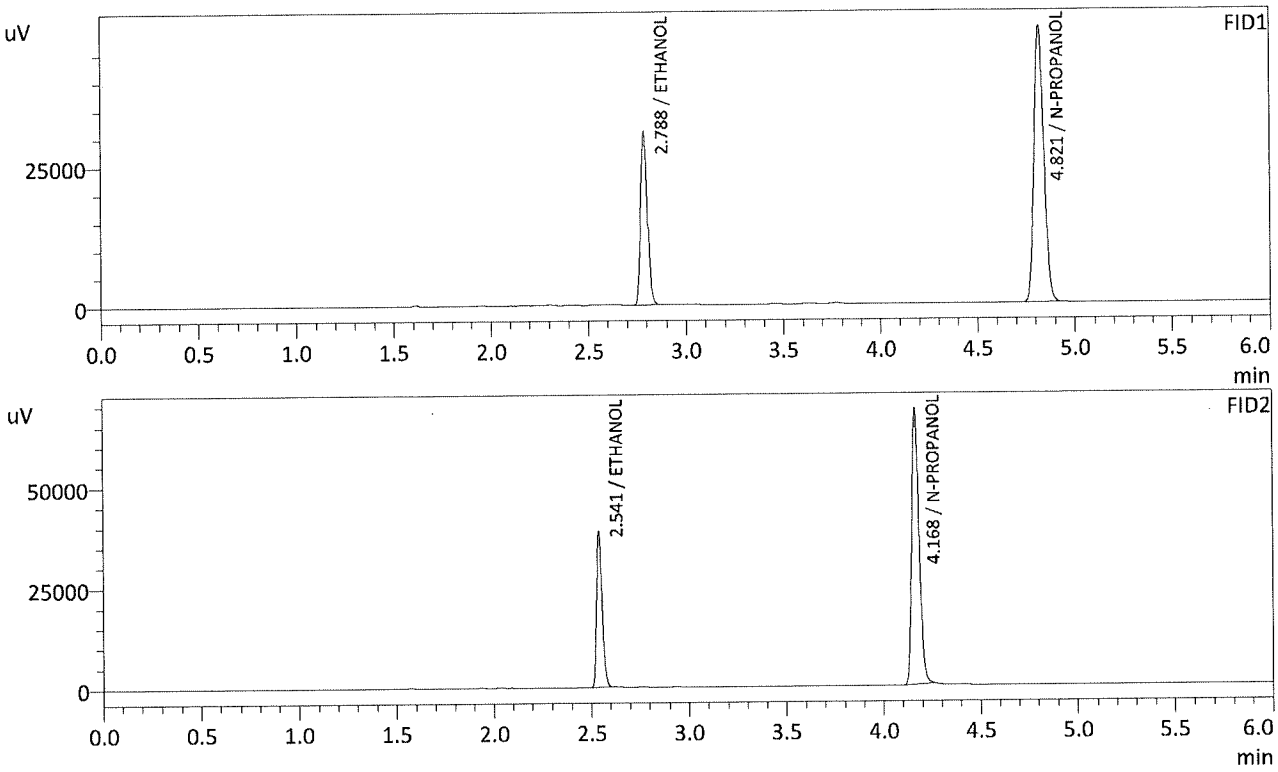

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2097	g/100cc	72143	30801
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172999	49195
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2102	g/100cc	76762	38534
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182242	67813
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Item #** **Analysis Date(s): 9/7/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0812	0.0007	0.0808	0.0009	0.0803
(g/100cc)	0.0795	0.0803	0.0008	0.0799		

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
0.080	**0.076**	**0.084**	**0.004**

Reported Result

0.080

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Vial # : 49
Data Filename : QC1-2-A_972022_049.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 7:33:34 PM
Date Processed : 9/7/2022 7:39:34 PM
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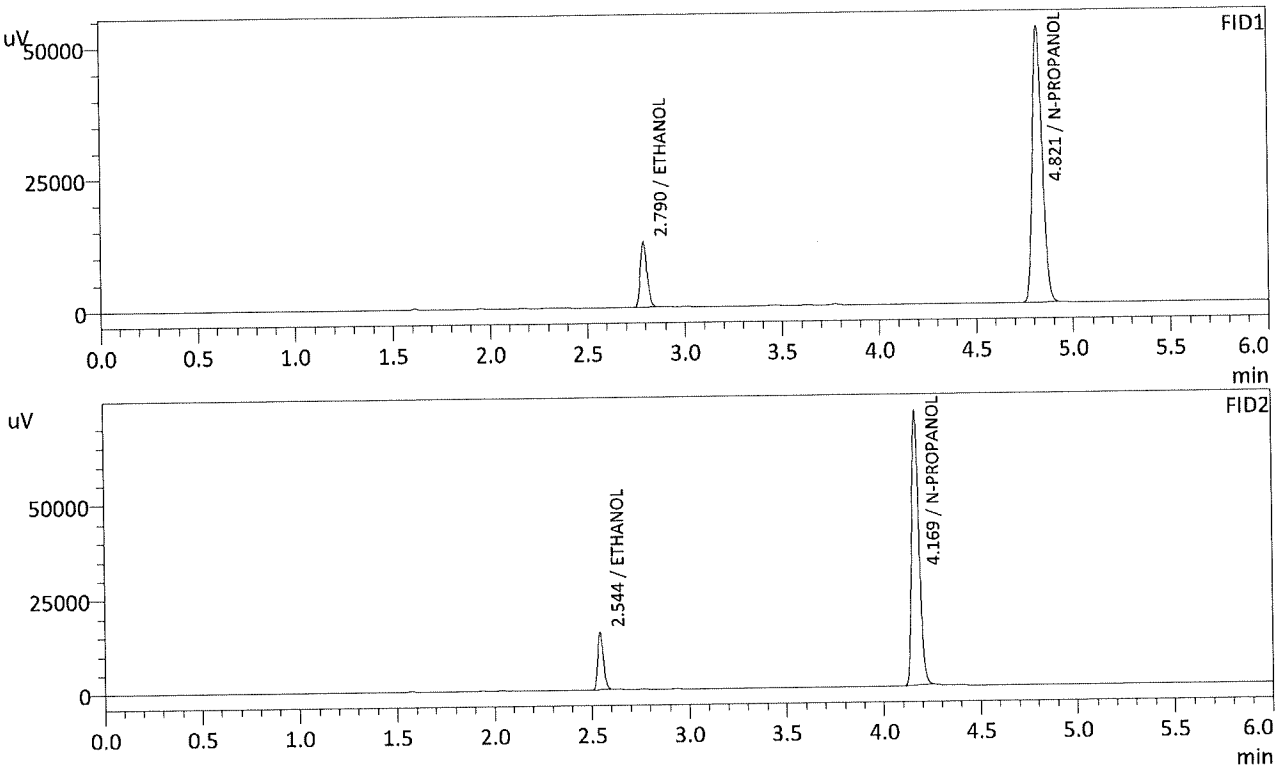

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	28987	12335
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182886	52128
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	30432	15099
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193394	72616
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC1-2-B
Vial # : 50
Data Filename : QC1-2-B_972022_050.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 7:43:03 PM
Date Processed : 9/7/2022 7:49:05 PM
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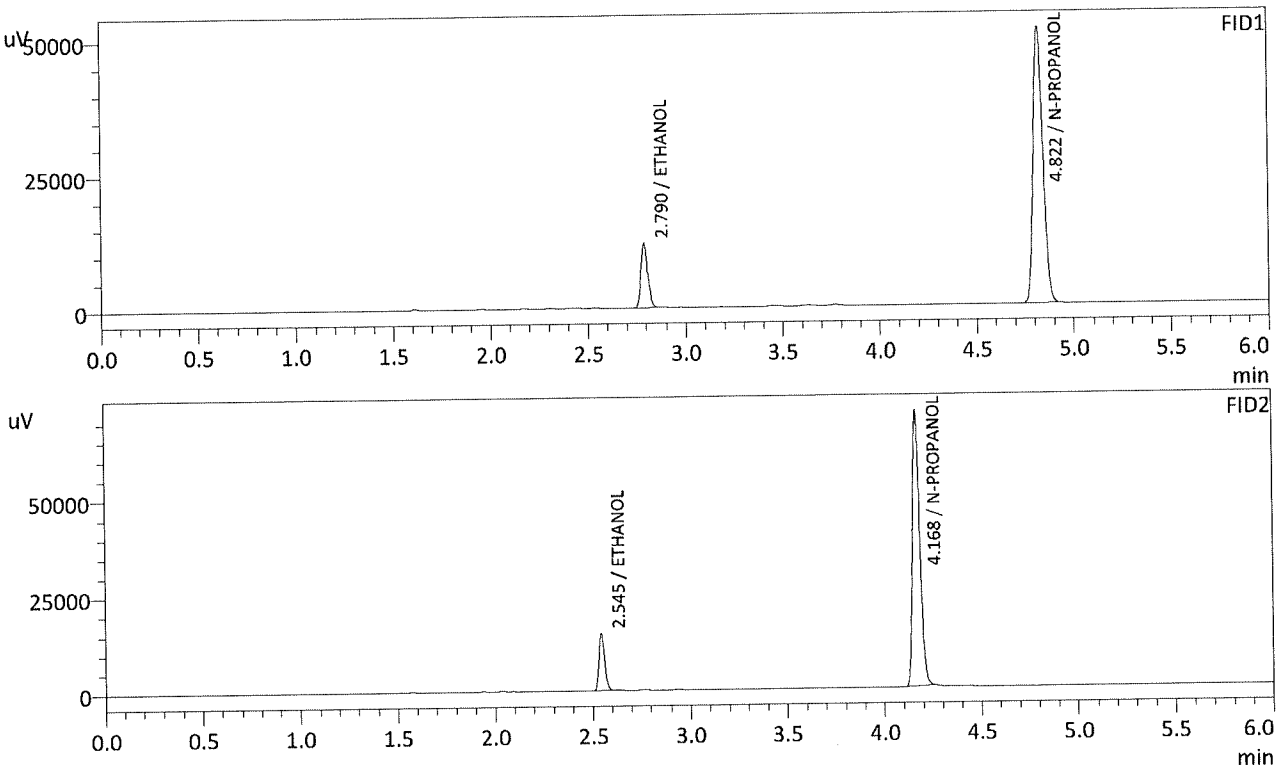

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0795	g/100cc	28127	11934
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179594	51135
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0803	g/100cc	29495	14656
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189740	71190
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 3
Vial # : 51
Data Filename : INT STD BLK 3_972022_051.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 9-7-22 BATCH.gcb
Date Acquired : 9/7/2022 7:52:20 PM
Date Processed : 9/7/2022 7:58:23 PM
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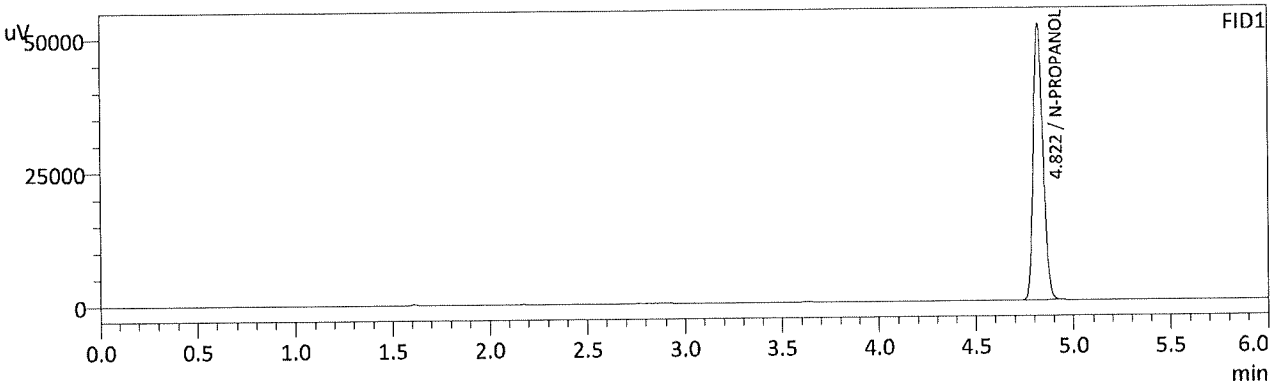

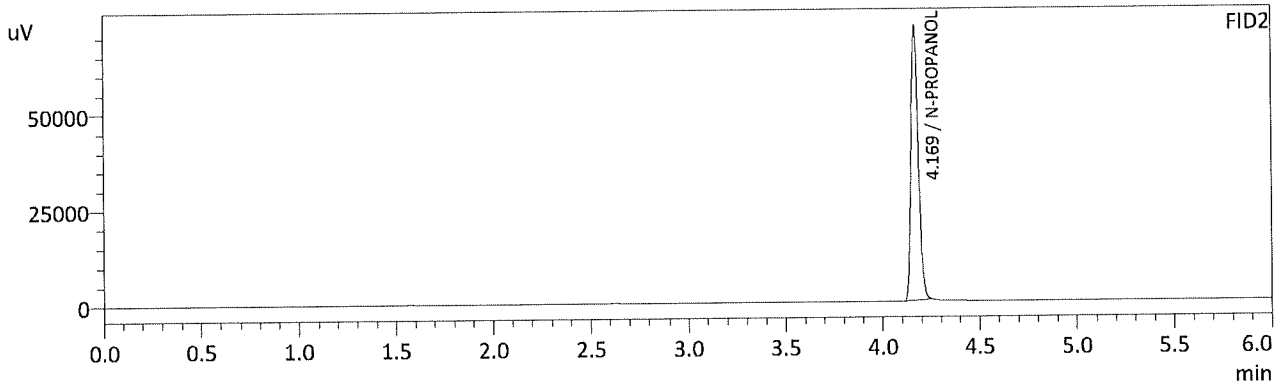

FID1

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	180308	51548
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	191165	72013
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:(I)	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	QC-1-1-A	0:Unknown	ALCOHOL.gcm		0
10	QC-1-1-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	M2022-3386-1-A	0:Unknown	ALCOHOL.gcm		0
14	M2022-3386-1-B	0:Unknown	ALCOHOL.gcm		0
15	P2022-2586-2-A	0:Unknown	ALCOHOL.gcm		0
16	P2022-2586-2-B	0:Unknown	ALCOHOL.gcm		0
17	P2022-2731-1-A	0:Unknown	ALCOHOL.gcm		0
18	P2022-2731-1-B	0:Unknown	ALCOHOL.gcm		0
19	P2022-2737-1-A	0:Unknown	ALCOHOL.gcm		0
20	P2022-2737-1-B	0:Unknown	ALCOHOL.gcm		0
21	P2022-2745-1-A	0:Unknown	ALCOHOL.gcm		0
22	P2022-2745-1-B	0:Unknown	ALCOHOL.gcm		0
23	P2022-2751-1-A	0:Unknown	ALCOHOL.gcm		0
24	P2022-2751-1-B	0:Unknown	ALCOHOL.gcm		0
25	P2022-2760-1-A	0:Unknown	ALCOHOL.gcm		0
26	P2022-2760-1-B	0:Unknown	ALCOHOL.gcm		0
27	P2022-2763-1-A	0:Unknown	ALCOHOL.gcm		0
28	P2022-2763-1-B	0:Unknown	ALCOHOL.gcm		0
29	P2022-2764-1-A	0:Unknown	ALCOHOL.gcm		0
30	P2022-2764-1-B	0:Unknown	ALCOHOL.gcm		0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm		0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm		0
33	P2022-2766-1-A	0:Unknown	ALCOHOL.gcm		0
34	P2022-2766-1-B	0:Unknown	ALCOHOL.gcm		0
35	P2022-2785-1-A	0:Unknown	ALCOHOL.gcm		0
36	P2022-2785-1-B	0:Unknown	ALCOHOL.gcm		0
37	P2022-2787-1-A	0:Unknown	ALCOHOL.gcm		0
38	P2022-2787-1-B	0:Unknown	ALCOHOL.gcm		0
39	P2022-2789-1-A	0:Unknown	ALCOHOL.gcm		0
40	P2022-2789-1-B	0:Unknown	ALCOHOL.gcm		0
41	P2022-2790-1-A	0:Unknown	ALCOHOL.gcm		0
42	P2022-2790-1-B	0:Unknown	ALCOHOL.gcm		0
43	P2022-2791-1-A	0:Unknown	ALCOHOL.gcm		0
44	P2022-2791-1-B	0:Unknown	ALCOHOL.gcm		0
45	P2022-2802-1-A	0:Unknown	ALCOHOL.gcm		0
46	P2022-2802-1-B	0:Unknown	ALCOHOL.gcm		0
47	P2022-2804-1-A	0:Unknown	ALCOHOL.gcm		0
48	P2022-2804-1-B	0:Unknown	ALCOHOL.gcm		0
49	QC1-2-A	0:Unknown	ALCOHOL.gcm		0
50	QC1-2-B	0:Unknown	ALCOHOL.gcm		0
51	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):

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
Title: Volatiles Analysis Discipline Lead

Quality Review

Quality Approver:
Title:
Date: