



















Worklist: 5022

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2021-0916	1	BCK	Alcohol Analysis	
C2021-0974	1	BCK	Alcohol Analysis	
C2021-1037	1	BCK	Alcohol Analysis	
C2021-1066	1	BCK	Alcohol Analysis	
C2021-1070	1	BCK	Alcohol Analysis	
C2021-1076	1	BCK	Alcohol Analysis	
C2021-1103	1	BCK	Alcohol Analysis	
C2021-1106	1	BCK	Alcohol Analysis	
C2021-1121	1	BCK	Alcohol Analysis	
C2021-1126	2	BCK	Alcohol Analysis	
C2021-1168	1	BCK	Alcohol Analysis -misinjected tube A, will redo on next run	
C2021-1169	1	BCK	Alcohol Analysis	
C2021-1176	1	BCK	Alcohol Analysis	
C2021-1184	1	BCK	Alcohol Analysis	
C2021-1190	1	BCK	Alcohol Analysis	
C2021-1193	1	BCK	Alcohol Analysis	
C2021-1211	1	BCK	Alcohol Analysis	
C2021-1239	1	BCK	Alcohol Analysis	



REVIEWED

By RCutler at 3:00 pm, Jun 11, 2021

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Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles*Analytical Method(s): 1.0**Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11379***Volatiles Quality Assurance Controls****Run Date(s): 6-5-2021***worklist #5022*

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0773 g/100cc	
					0.0779 g/100cc	
					g/100cc	
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1943 g/100cc	
					0.2151 g/100cc	
					g/100cc	
Multi-Component mixture:		Jul-22	Lot #	FN07101701	OK	
Curve Fit:			Column 1	0.99998	Column2	0.99997

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0505	0.0508	0.0003	0.0506
100	0.100	0.090 - 0.110	0.1001	0.1001	0	0.1001
200	0.200	0.180 - 0.220	0.1994	0.1988	0.0006	0.1991
300	0.300	0.270 - 0.330	0.2993	0.2994	1E-04	0.2993
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5006	0.0001	0.5005

Aqueous Controls

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

Revision: 2

Issue Date: 12/23/2019

Region 1 CDA Blood Alcohol Analysis Batch Table

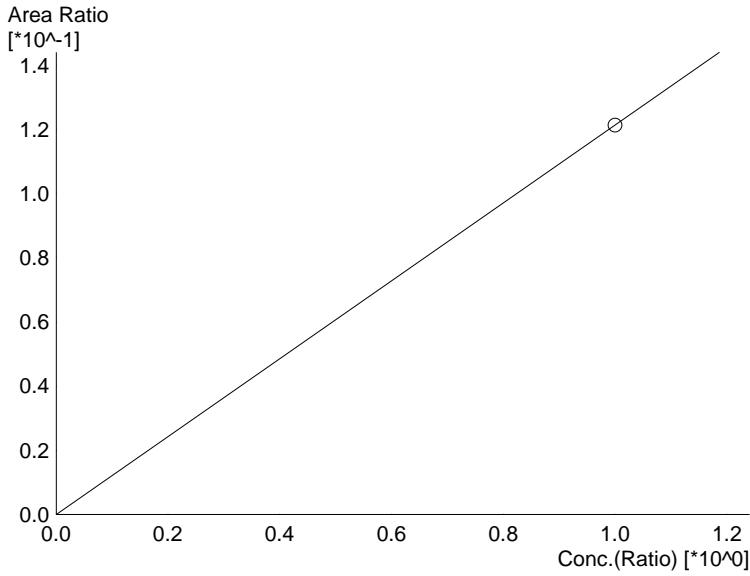
Shimadzu GC-2030 Serial #C1225850700
 Shimadzu HS-20 Serial #C12595700181
 Lab Solutions Software Ver. 5.99
 Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	MULTI-COMP MIX	0:Unknown	1	ALCOHOL (short).GCM
2	INT STD BLK 1	0:Unknown	0	ALCOHOL (short).GCM
3	QC-2-1-A	0:Unknown	0	ALCOHOL (short).GCM
4	QC-2-1-B	0:Unknown	0	ALCOHOL (short).GCM
5	0.08 QA - A	0:Unknown	0	ALCOHOL (short).GCM
6	0.08 QA - B	0:Unknown	0	ALCOHOL (short).GCM
7	C2021-0916-1-A	0:Unknown	0	ALCOHOL (short).GCM
8	C2021-0916-1-B	0:Unknown	0	ALCOHOL (short).GCM
9	C2021-0974-1-A	0:Unknown	0	ALCOHOL (short).GCM
10	C2021-0974-1-B	0:Unknown	0	ALCOHOL (short).GCM
11	C2021-1037-1-A	0:Unknown	0	ALCOHOL (short).GCM
12	C2021-1037-1-B	0:Unknown	0	ALCOHOL (short).GCM
13	C2021-1066-1-A	0:Unknown	0	ALCOHOL (short).GCM
14	C2021-1066-1-B	0:Unknown	0	ALCOHOL (short).GCM
15	C2021-1070-1-A	0:Unknown	0	ALCOHOL (short).GCM
16	C2021-1070-1-B	0:Unknown	0	ALCOHOL (short).GCM
17	C2021-1076-1-A	0:Unknown	0	ALCOHOL (short).GCM
18	C2021-1076-1-B	0:Unknown	0	ALCOHOL (short).GCM
19	C2021-1103-1-A	0:Unknown	0	ALCOHOL (short).GCM
20	C2021-1103-1-B	0:Unknown	0	ALCOHOL (short).GCM
21	C2021-1106-1-A	0:Unknown	0	ALCOHOL (short).GCM
22	C2021-1106-1-B	0:Unknown	0	ALCOHOL (short).GCM
23	C2021-1121-1-A	0:Unknown	0	ALCOHOL (short).GCM
24	C2021-1121-1-B	0:Unknown	0	ALCOHOL (short).GCM
25	QC-1-1-A	0:Unknown	0	ALCOHOL (short).GCM
26	QC-1-1-B	0:Unknown	0	ALCOHOL (short).GCM
27	INT STD BLK 2	0:Unknown	0	ALCOHOL (short).GCM
28	0.050	1:Standard:(R)	1	ALCOHOL (short).GCM
29	0.100	1:Standard:(R)	2	ALCOHOL (short).GCM
30	0.200	1:Standard:(R)	3	ALCOHOL (short).GCM
31	0.300	1:Standard:(R)	4	ALCOHOL (short).GCM
32	0.500	1:Standard:(R)	5	ALCOHOL (short).GCM
33	INT STD BLK 3	0:Unknown	0	ALCOHOL (short).GCM
34	QC-1-2-A	0:Unknown	0	ALCOHOL (short).GCM
35	QC-1-2-B	0:Unknown	0	ALCOHOL (short).GCM
36	C2021-1126-2-A	0:Unknown	0	ALCOHOL (short).GCM
37	C2021-1126-2-B	0:Unknown	0	ALCOHOL (short).GCM
38	C2021-1168-1-A	0:Unknown	0	ALCOHOL (short).GCM
39	C2021-1168-1-B	0:Unknown	0	ALCOHOL (short).GCM
40	C2021-1169-1-A	0:Unknown	0	ALCOHOL (short).GCM
41	C2021-1169-1-B	0:Unknown	0	ALCOHOL (short).GCM
42	C2021-1176-1-A	0:Unknown	0	ALCOHOL (short).GCM
43	C2021-1176-1-B	0:Unknown	0	ALCOHOL (short).GCM
44	C2021-1184-1-A	0:Unknown	0	ALCOHOL (short).GCM
45	C2021-1184-1-B	0:Unknown	0	ALCOHOL (short).GCM
46	C2021-1190-1-A	0:Unknown	0	ALCOHOL (short).GCM
47	C2021-1190-1-B	0:Unknown	0	ALCOHOL (short).GCM
48	C2021-1193-1-A	0:Unknown	0	ALCOHOL (short).GCM
49	C2021-1193-1-B	0:Unknown	0	ALCOHOL (short).GCM
50	C2021-1211-1-A	0:Unknown	0	ALCOHOL (short).GCM
51	C2021-1211-1-B	0:Unknown	0	ALCOHOL (short).GCM
52	C2021-1239-1A	0:Unknown	0	ALCOHOL (short).GCM
53	C2021-1239-1-B	0:Unknown	0	ALCOHOL (short).GCM
54	QC-2-2-A	0:Unknown	0	ALCOHOL (short).GCM
55	QC-2-2-B	0:Unknown	0	ALCOHOL (short).GCM
56	INT STD BLK 4	0:Unknown	0	ALCOHOL (short).GCM

Calibration Table

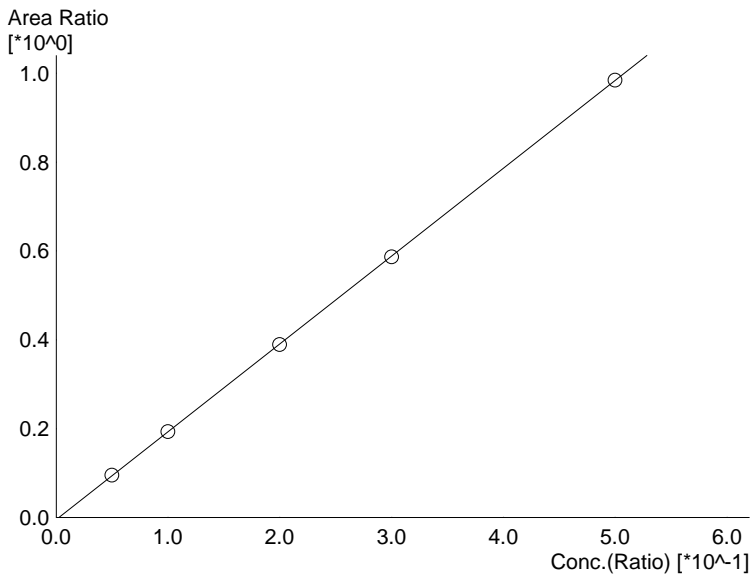
Laboratory : Coeur d' Alene
 Instrument Name : Nexis GC2030
 Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
 Method File :C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Batch File :C:\LabSolutions\Data\6-5-21\MASTER TEMPLATE.gcb
 Date Acquired :6/6/2021 3:26:12 AM
 Date Created :6/6/2021 3:22:45 AM
 Date Modified :6/6/2021 12:26:24 PM



Name : Methanol
 Detector Name: FID1
 Function : $f(x)=0.121346*x+0$
 R^2 value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

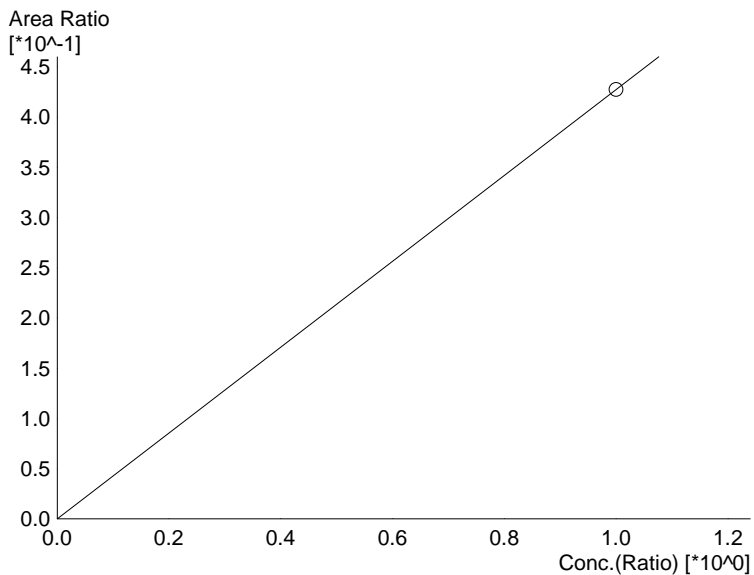
#	Conc.	Area	Std. Conc.
6	1.000	15387	1.00000



Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=1.97597*x-0.00458692$
 R^2 value= 0.9999899
 FitType: Linear
 ZeroThrough: Not Through

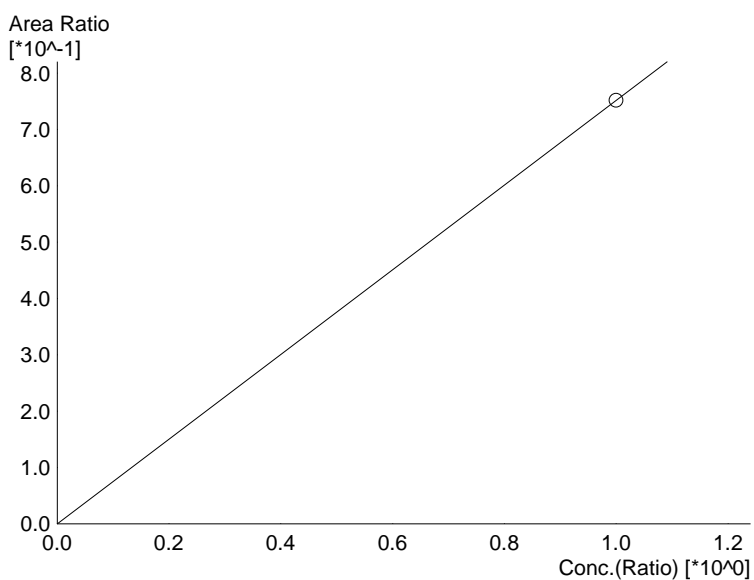
#	Conc.	Area	Std. Conc.
1	0.050	18435	0.05054
2	0.100	38093	0.10010
3	0.200	76581	0.19947
4	0.300	118062	0.29934
5	0.500	203864	0.50052

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Name : Isopropyl Alcohol
 Detector Name: FID1
 Function : $f(x)=0.427299*x+0$
 R^2 value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	54182	1.00000



Name : Acetone
 Detector Name: FID1
 Function : $f(x)=0.751324*x+0$
 R^2 value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

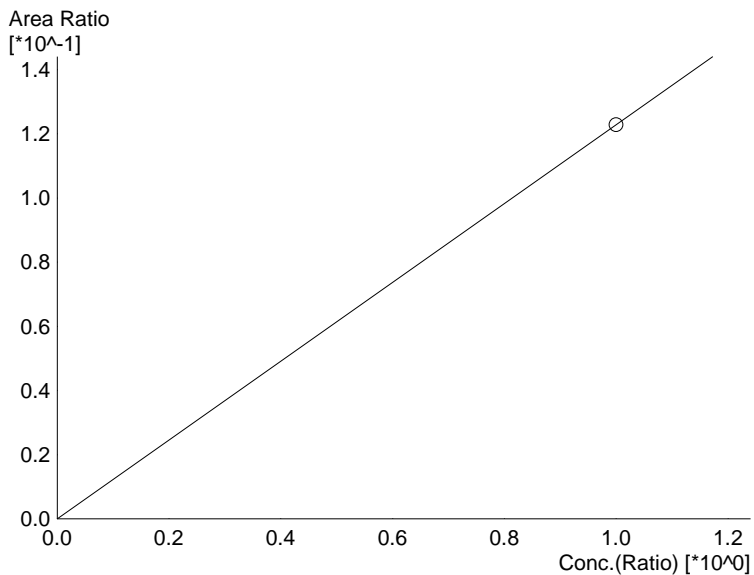
#	Conc.	Area	Std. Conc.
6	1.000	95269	1.00000



Name : Fluor. Hydrocarbon(s)
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

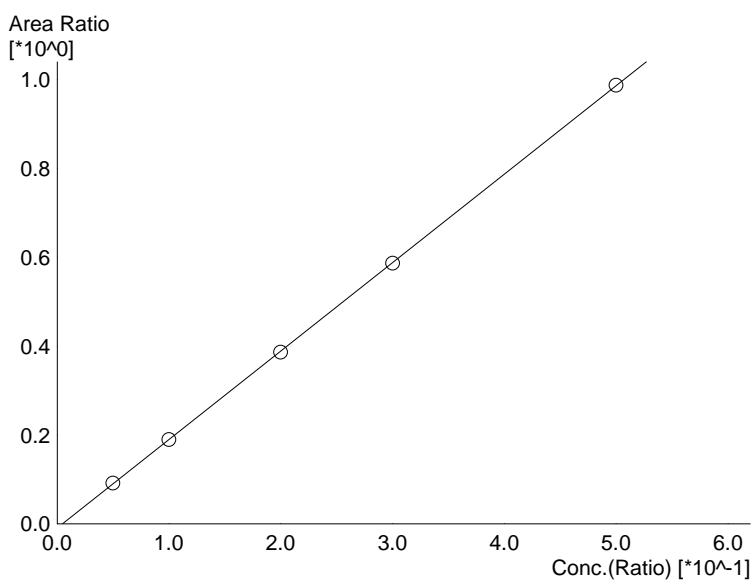
#	Conc.	Area	Std. Conc.
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89



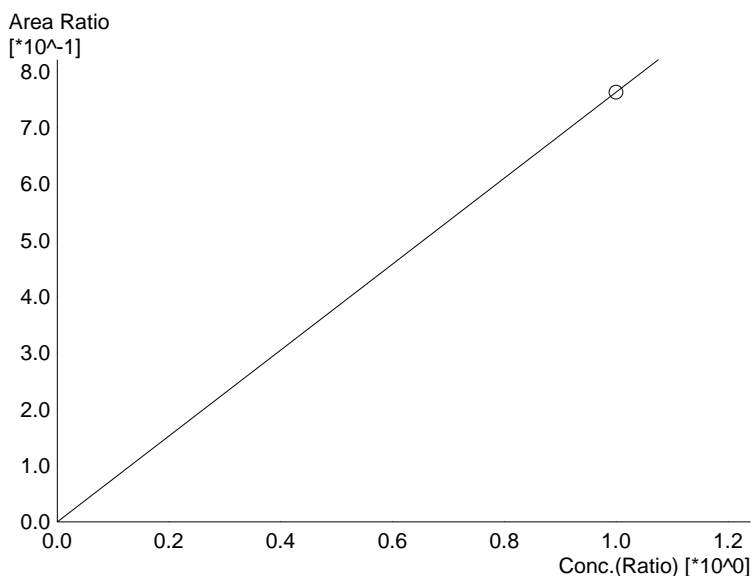
Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0.122802*x+0$
 R^2 value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	14736	1.00000



Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=1.99089*x-0.00944868$
 R^2 value= 0.9999776
 FitType: Linear
 ZeroThrough: Not Through

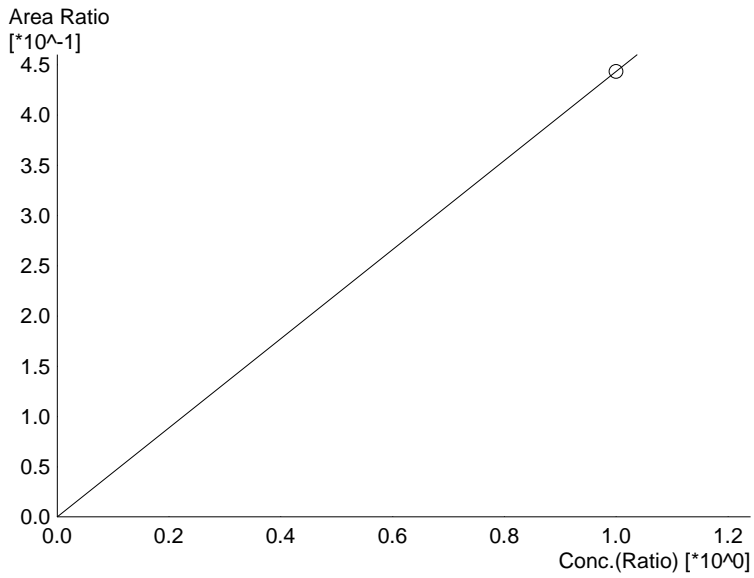
#	Conc.	Area	Std. Conc.
1	0.050	19222	0.05088
2	0.100	40450	0.10014
3	0.200	82185	0.19888
4	0.300	127366	0.29940
5	0.500	221202	0.50068



Name : Acetone
 Detector Name: FID2
 Function : $f(x)=0.762402*x+0$
 R^2 value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	91489	1.00000

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Name : Isopropyl Alcohol
Detector Name: FID2
Function : $f(x)=0.443317*x+0$
R² value= 1.000000
FitType: Linear
ZeroThrough: Not Through

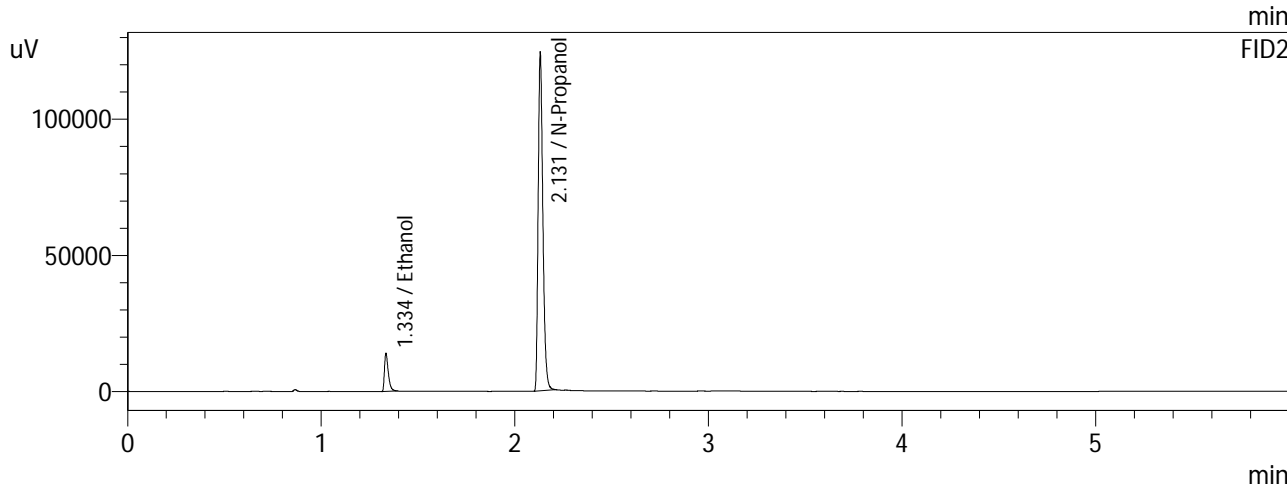
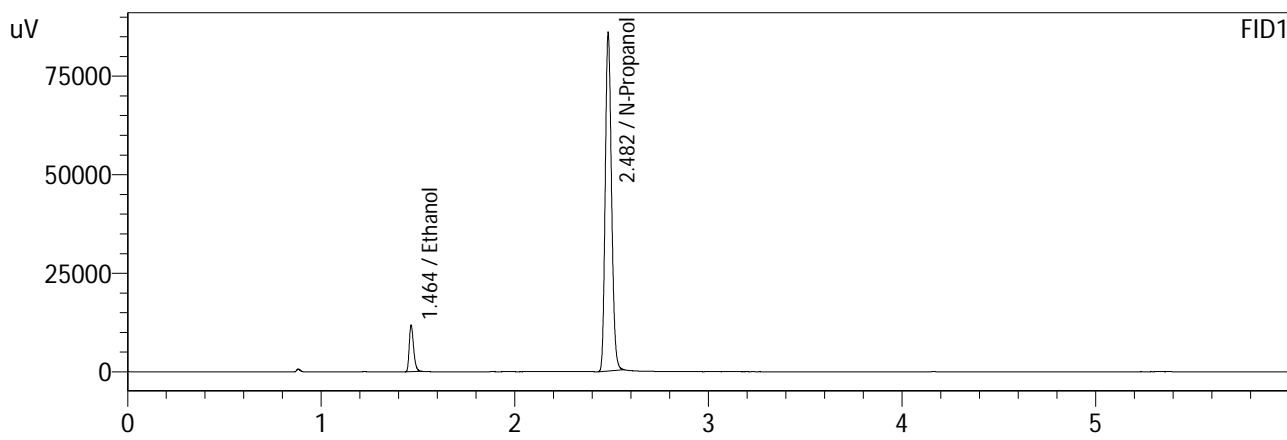
#	Conc.	Area	Std. Conc.
6	1.000	53199	1.00000



Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Sample Name : 0.050
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 2:48:58 AM
 Vial # : 28
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



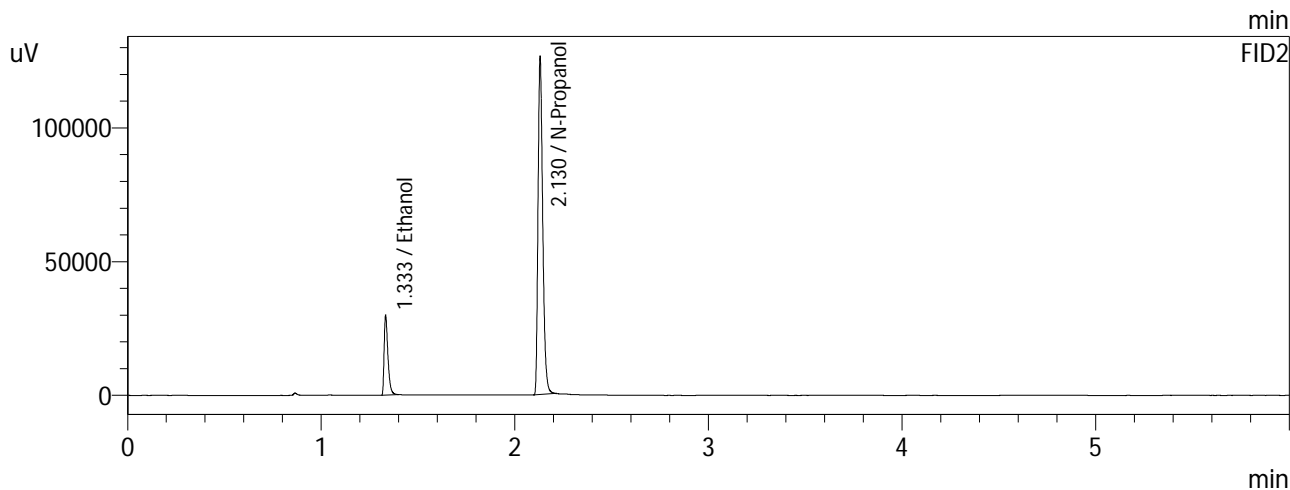
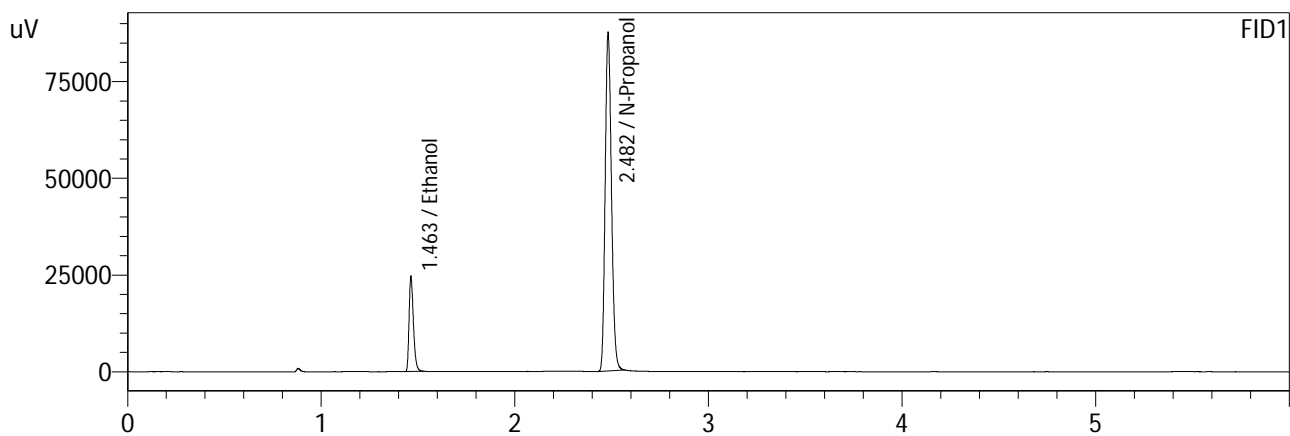
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.05054	18435	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	193454	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.05088	19222	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	209279	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 2:58:17 AM
 Vial # : 29
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



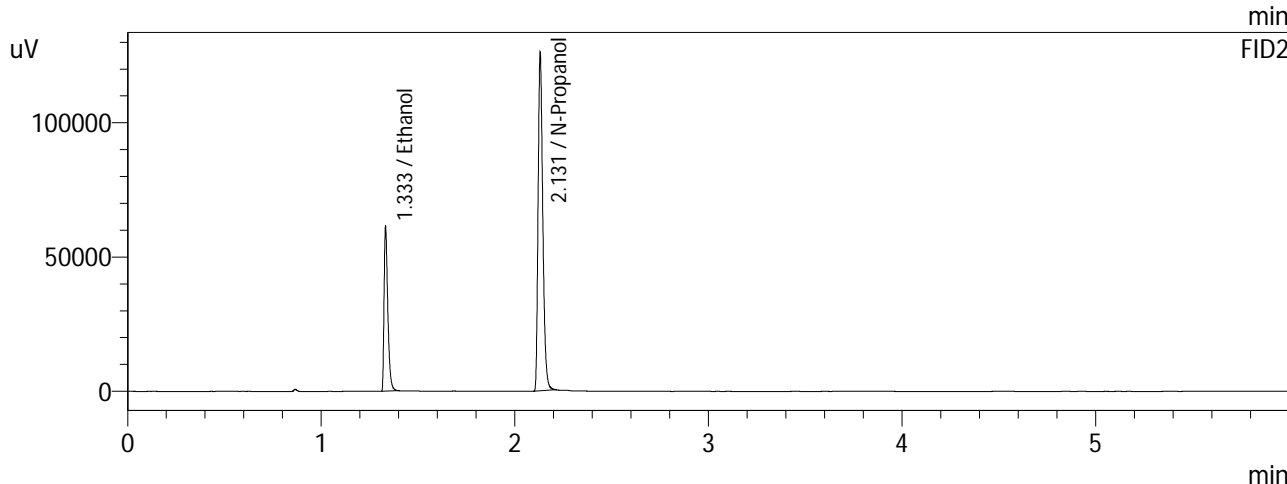
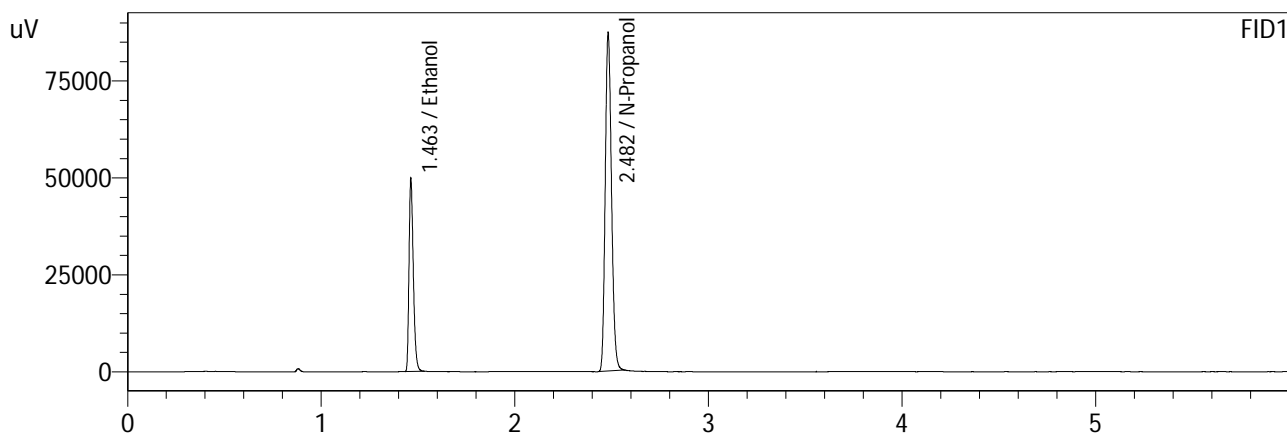
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.10010	38093	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	197145	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.10014	40450	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	212972	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 3:07:26 AM
 Vial # : 30
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



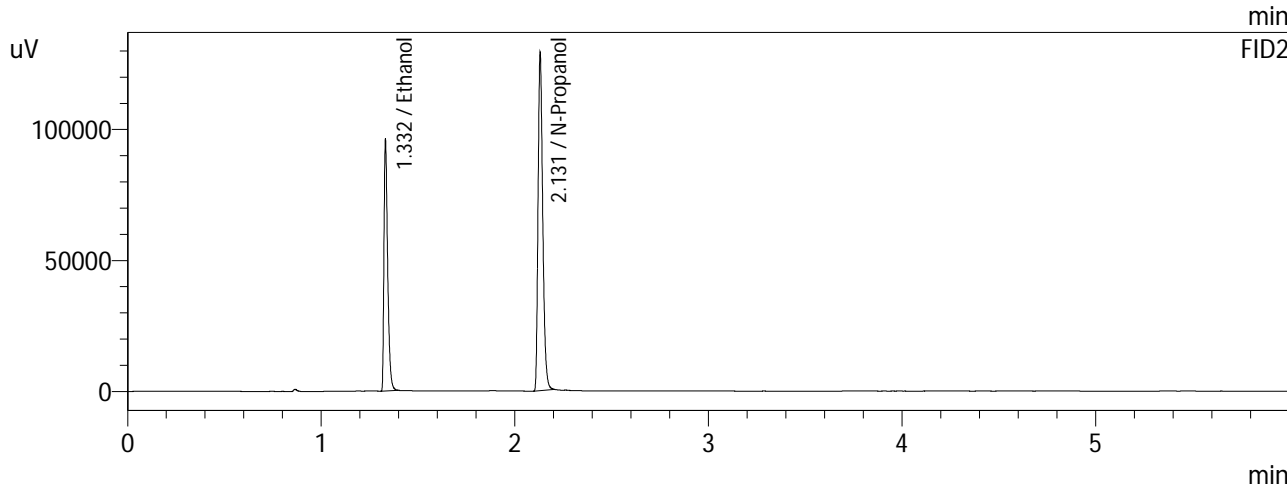
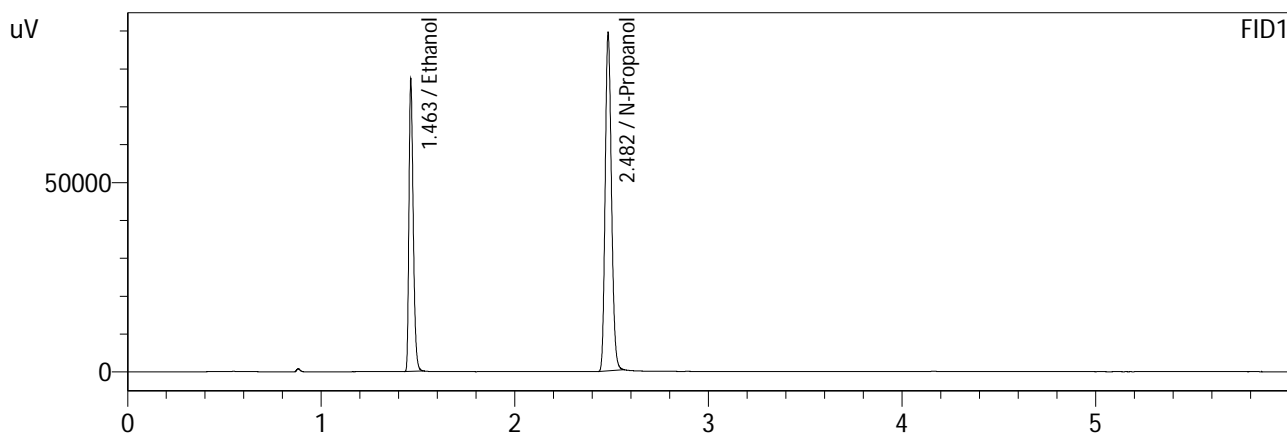
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.19947	76581	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	196582	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.19888	82185	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	212638	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 3:16:37 AM
 Vial # : 31
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



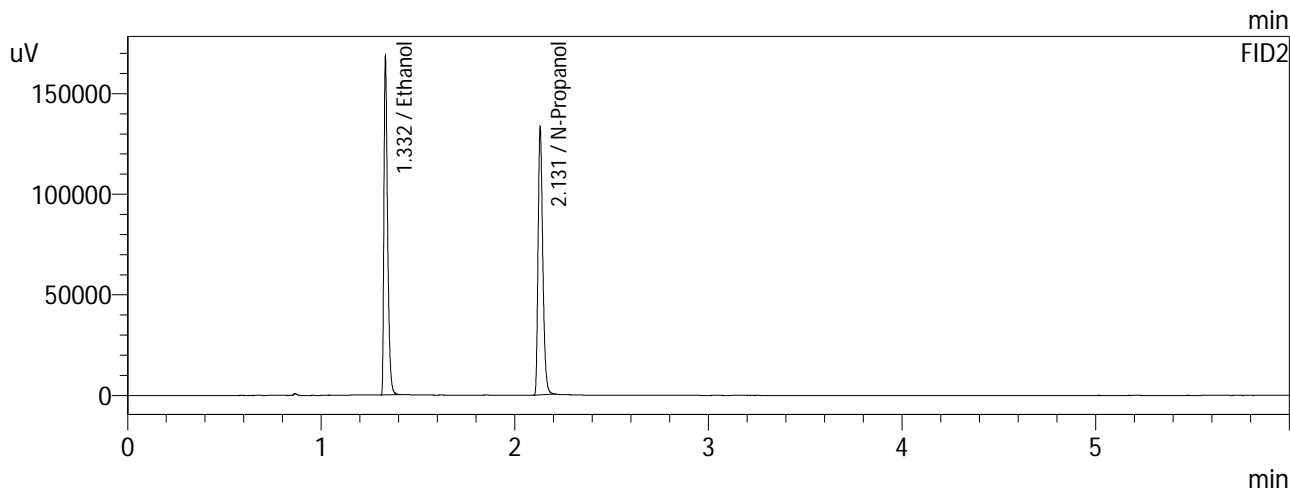
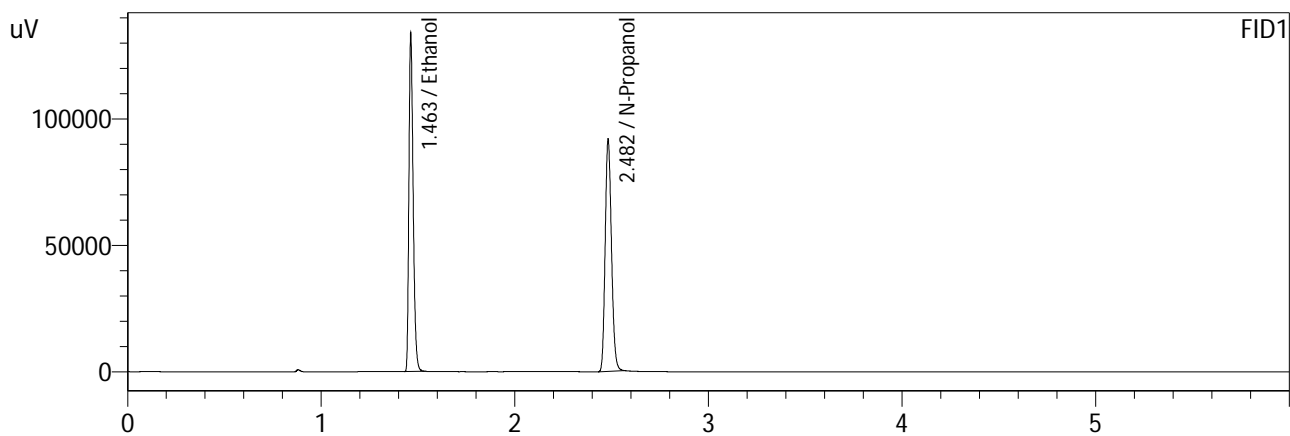
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.29934	118062	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	201156	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.29940	127366	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	217110	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 3:26:12 AM
 Vial # : 32
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



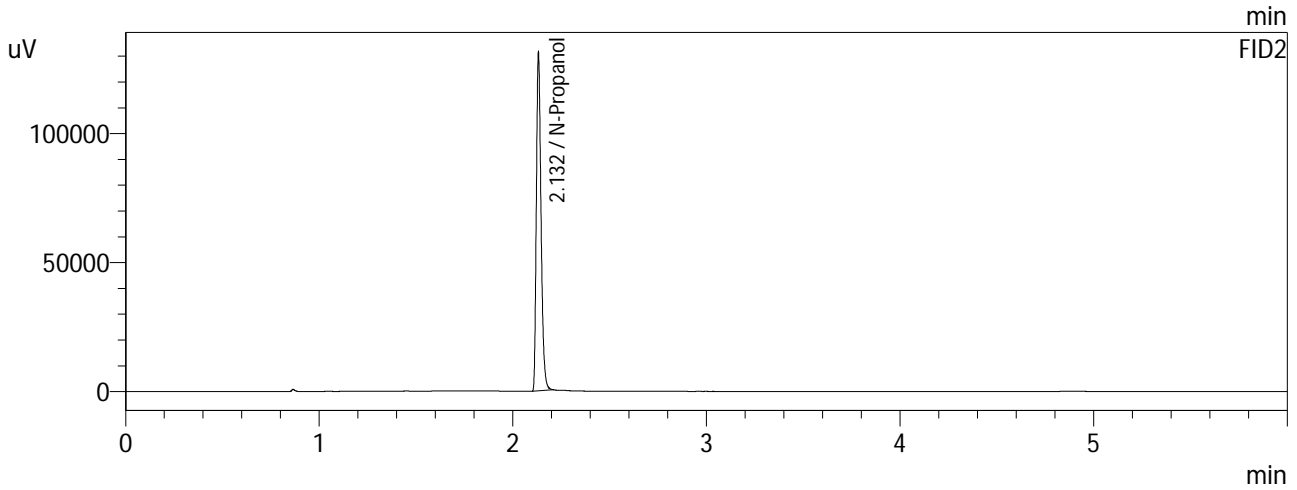
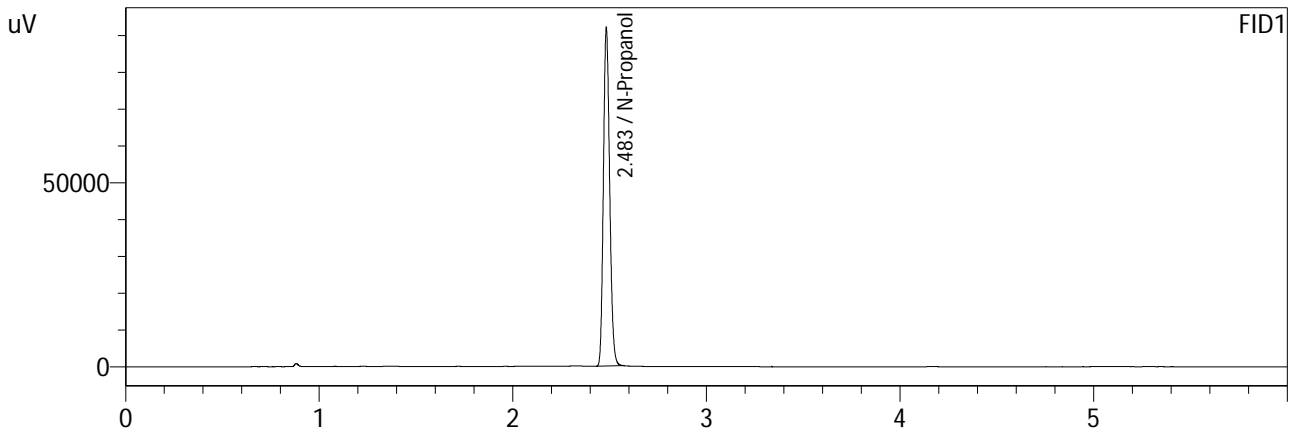
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.50052	203864	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	207086	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.50068	221202	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	224034	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/5/2021 10:50:01 PM
 Vial # : 2
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



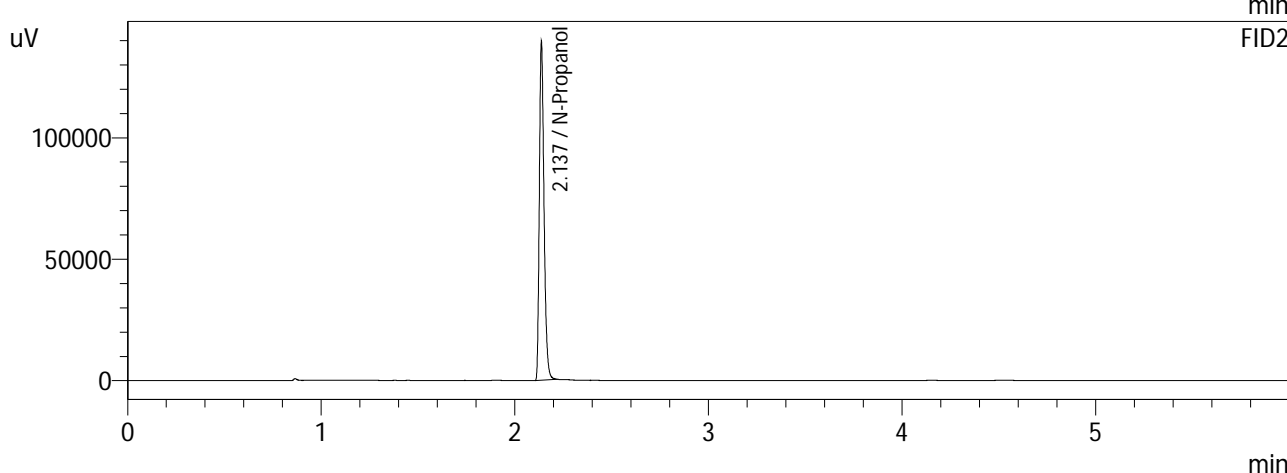
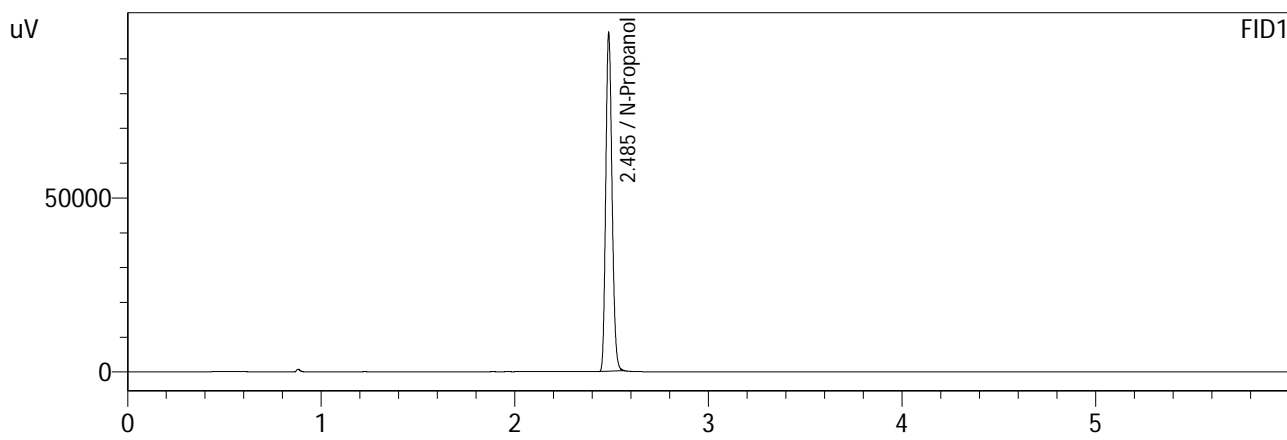
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	206256	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	221077	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 2
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 2:41:01 AM
 Vial # : 27
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



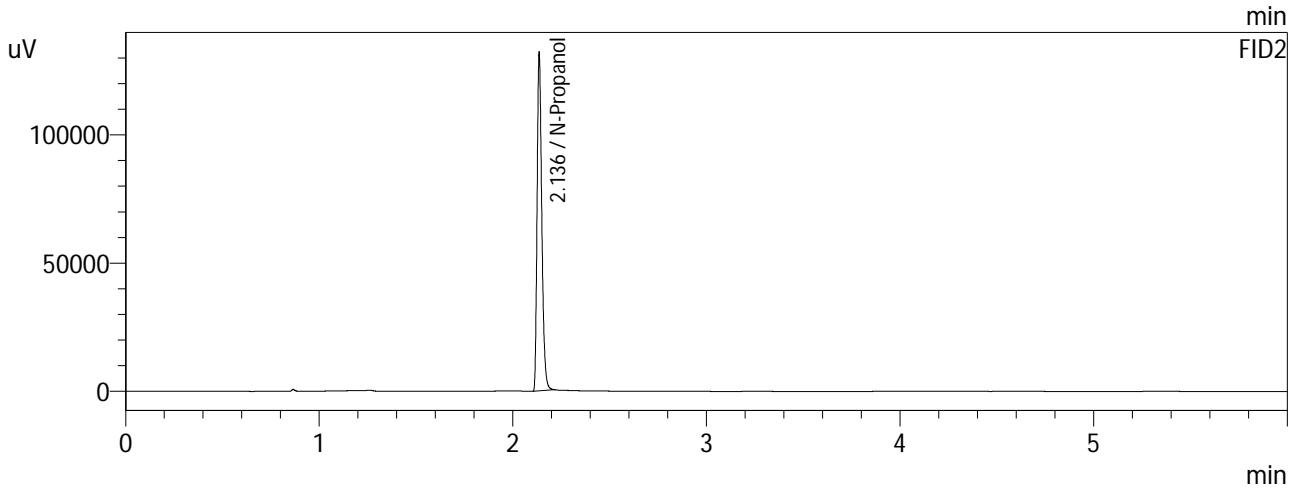
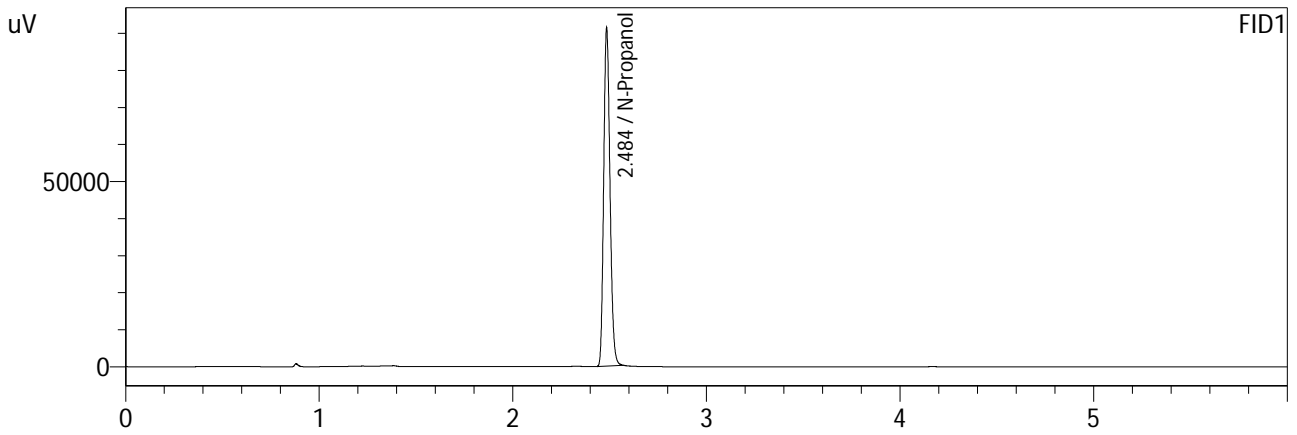
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	218718	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	235035	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 3
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 3:36:27 AM
 Vial # : 33
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



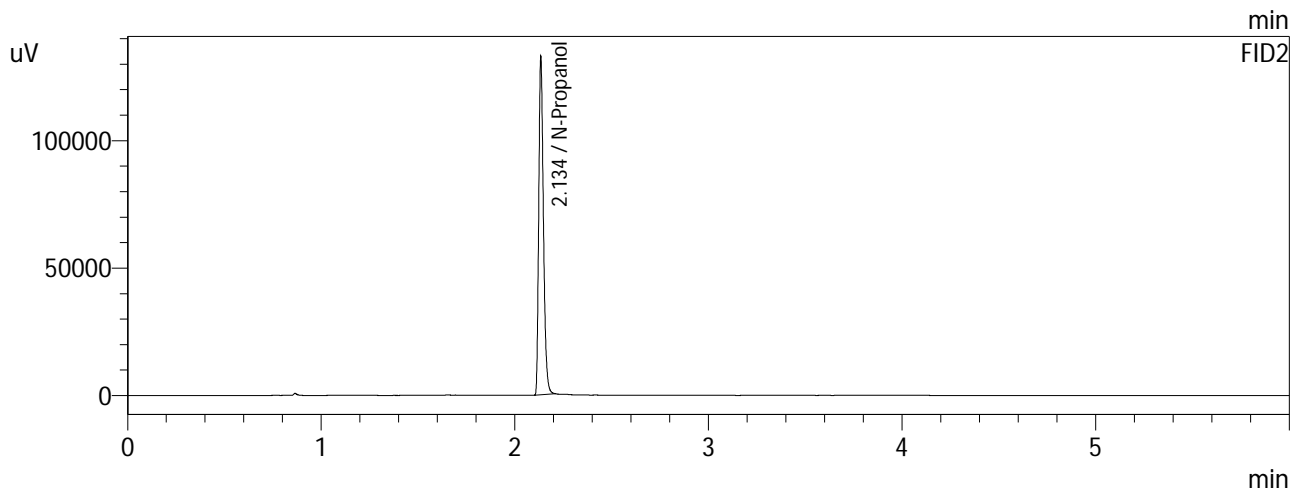
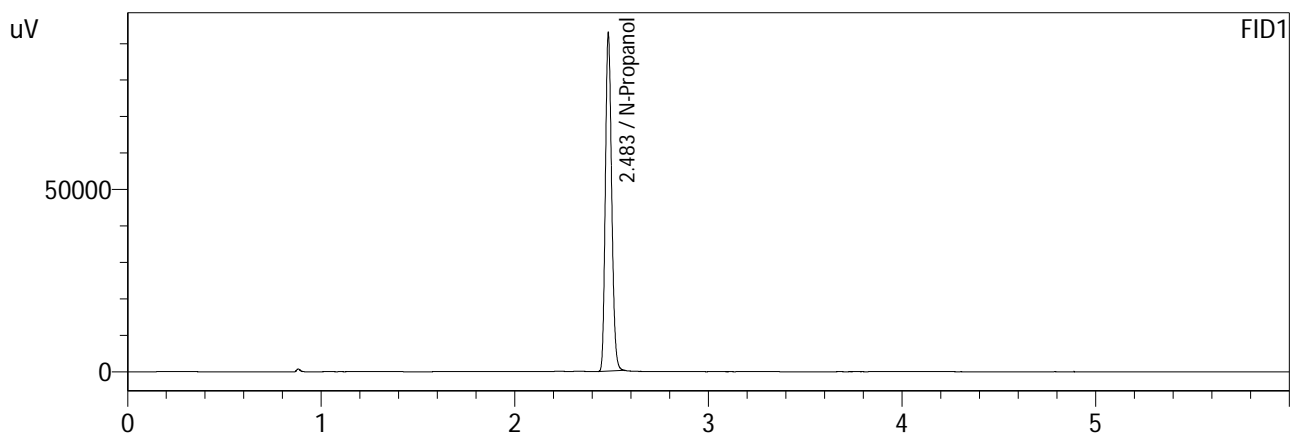
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	205923	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	222793	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 4
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 7:09:10 AM
 Vial # : 56
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



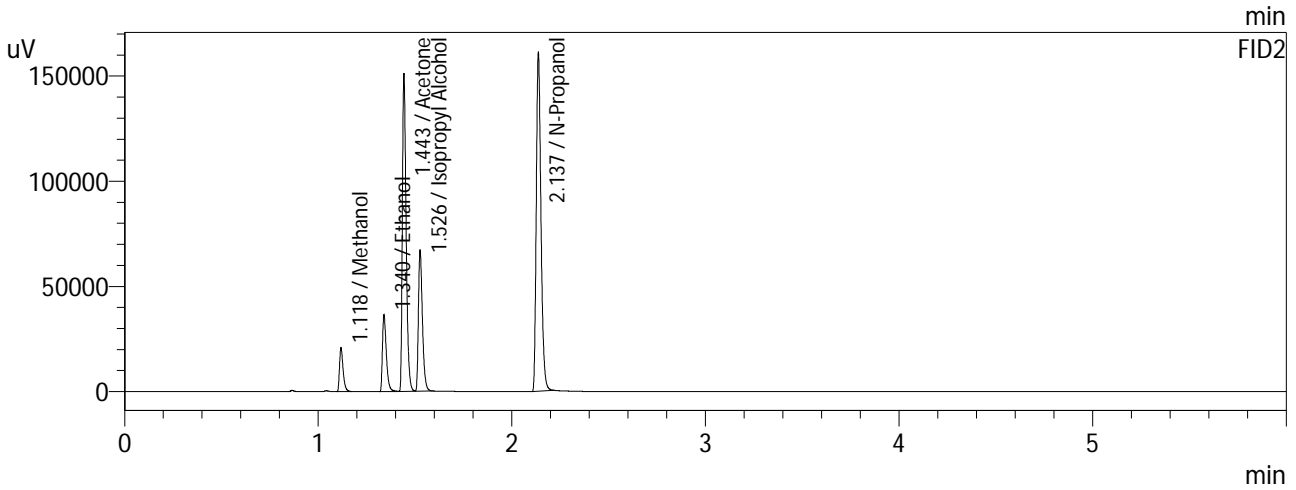
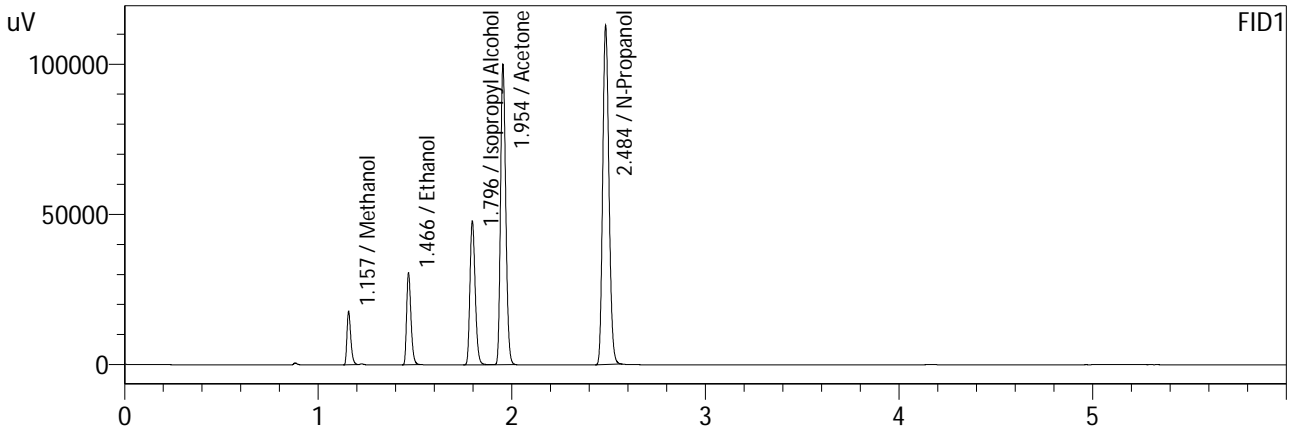
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	208825	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	223835	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MULTI-COMP MIX
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/5/2021 10:40:42 PM
 Vial # : 1
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	0.79674	24540	g/100cc
Ethanol	0.09725	47613	g/100cc
Isopropyl Alcohol	0.82959	89976	g/100cc
Acetone	0.98380	187611	g/100cc
N-Propanol	0.00000	253819	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.80591	26911	g/100cc
Ethanol	0.09841	50706	g/100cc
Acetone	0.99736	206763	g/100cc
Isopropyl Alcohol	0.80521	97064	g/100cc
N-Propanol	0.00000	271915	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080

Analysis Date(s): 6/5/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0796	0.0800	0.0004	0.0798	0.0012	0.0804
(g/100cc)	0.0812	0.0808	0.0004	0.0810		

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

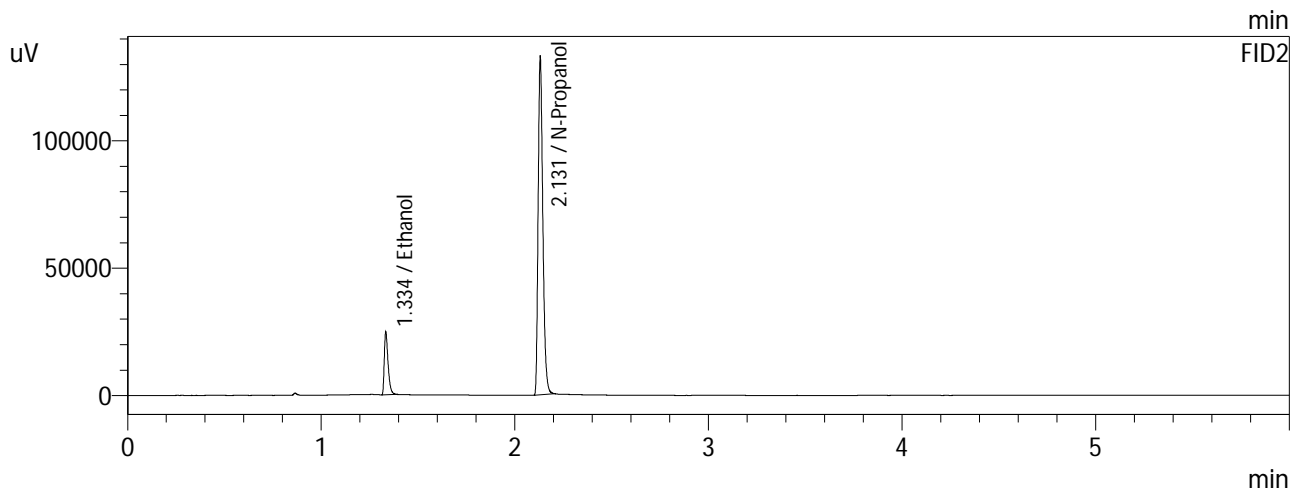
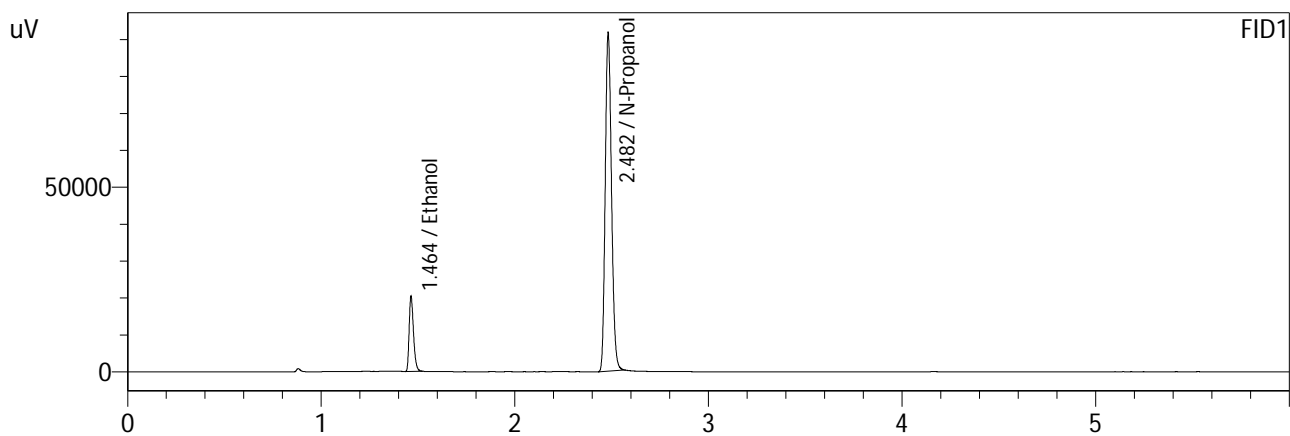
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/5/2021 11:16:29 PM
 Vial # : 5
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



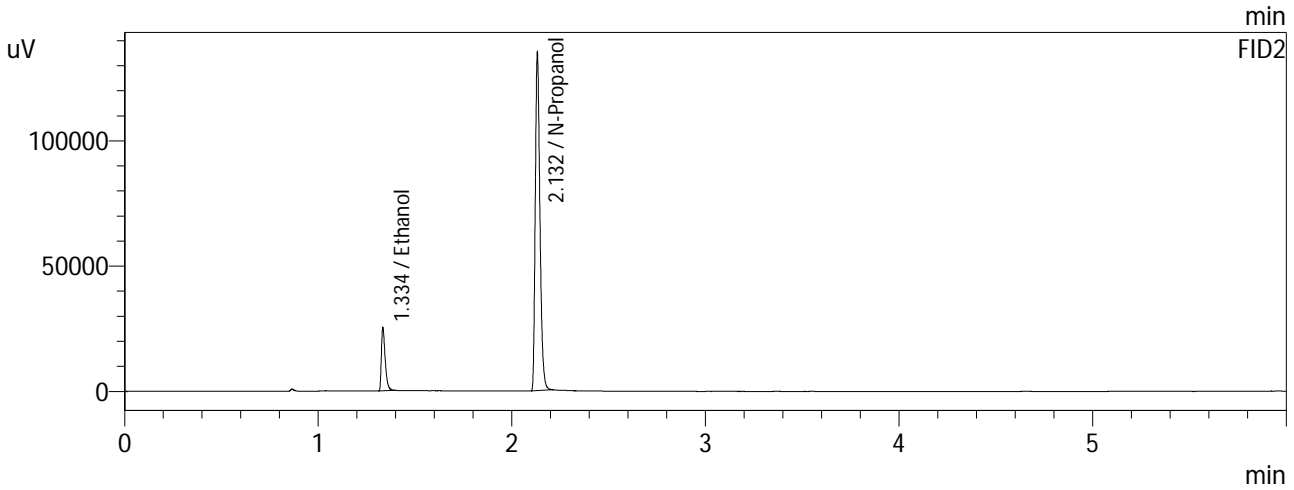
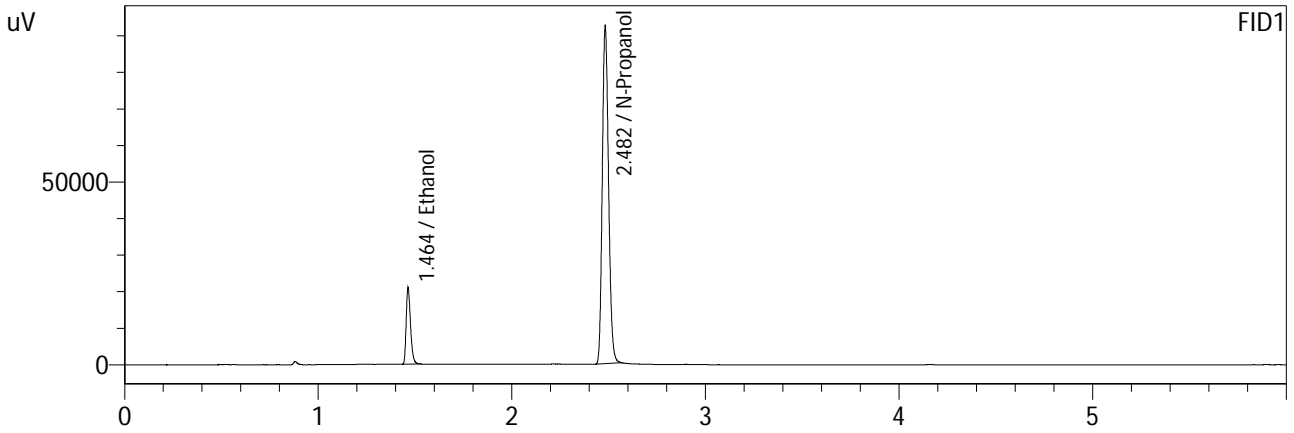
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.07968	31554	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	206424	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.08008	33523	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	223508	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA - B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/5/2021 11:25:30 PM
 Vial # : 6
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.08129	32493	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	208223	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.08089	34321	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	226402	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1-1

Analysis Date(s): 6/5/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0771	0.0773 0.0772 80 6/11/21	0.0001	0.0771	0.0005	0.0773
(g/100cc)	0.0774	0.0778	0.0004	0.0776		

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

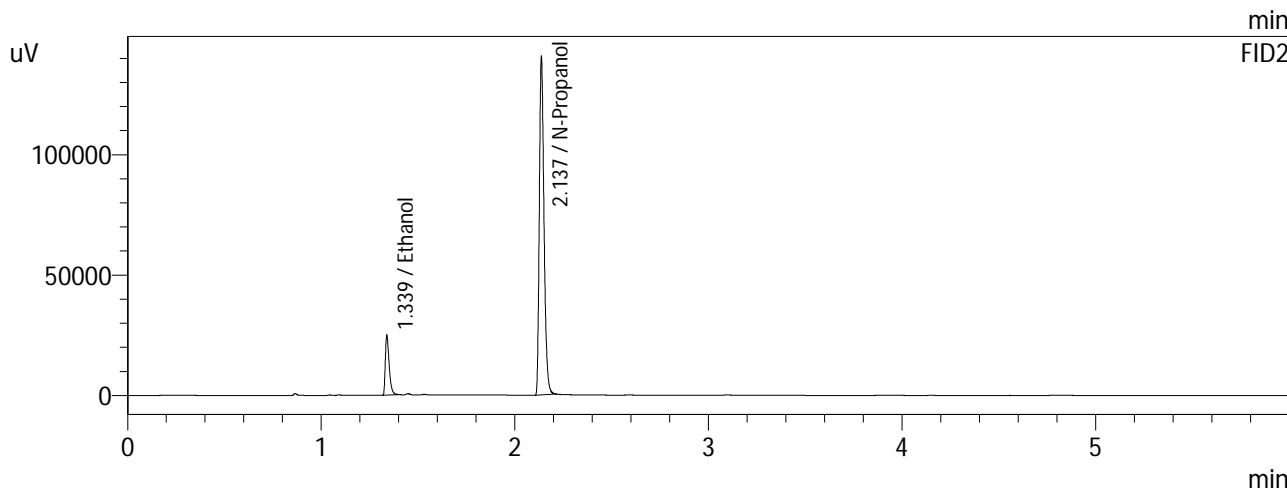
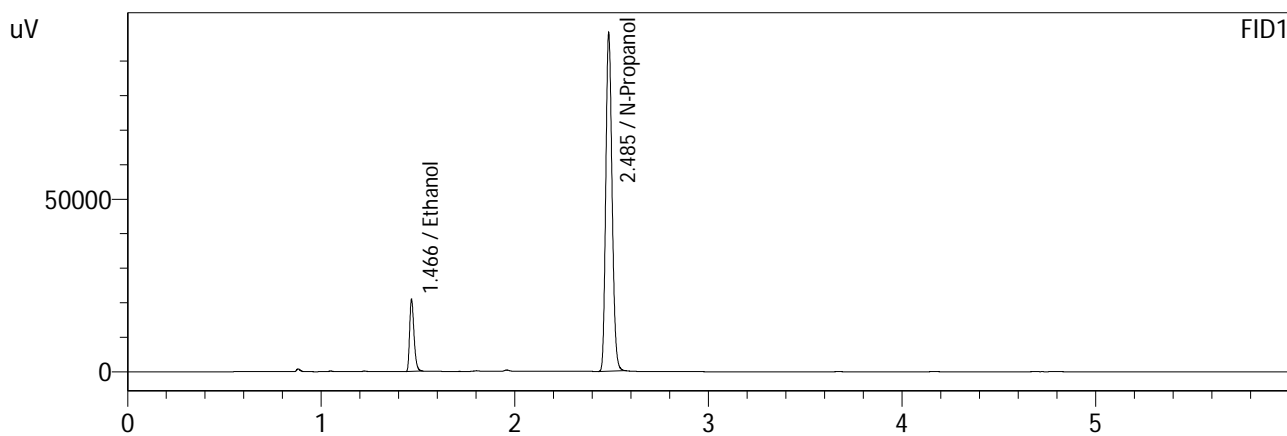
Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 2:22:39 AM
 Vial # : 25
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



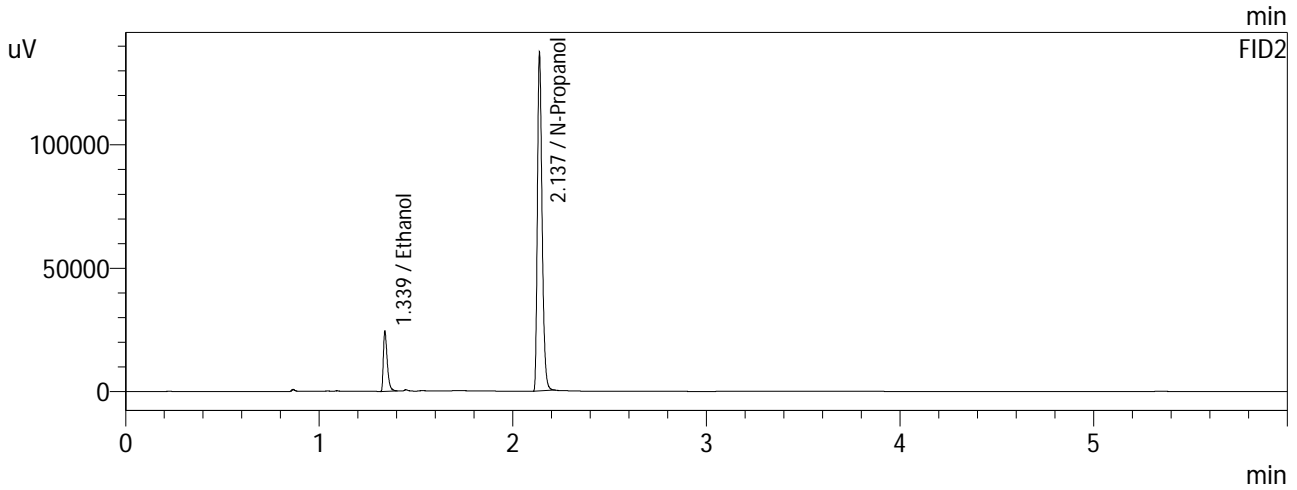
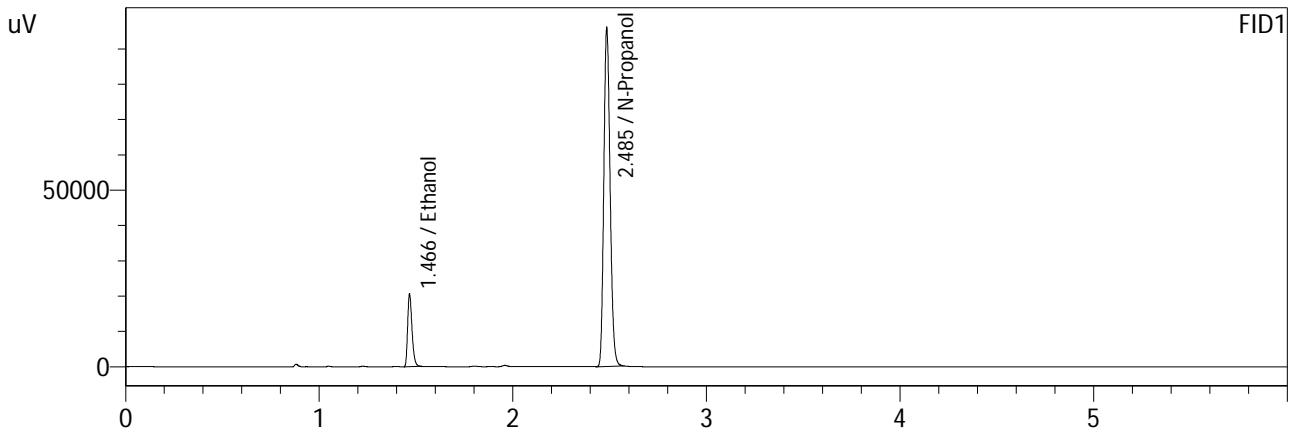
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.07711	32642	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	220865	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.07738	34302	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	237177	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 2:32:08 AM
 Vial # : 26
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.07748	32079	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	215999	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.07785	33728	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	231730	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1-2

Analysis Date(s): 6/5/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0772	0.0775	0.0003	0.0773	0.0012	0.0779
(g/100cc)	0.0784	0.0787	0.0003	0.0785		

Analysis Method
 Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*
 Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

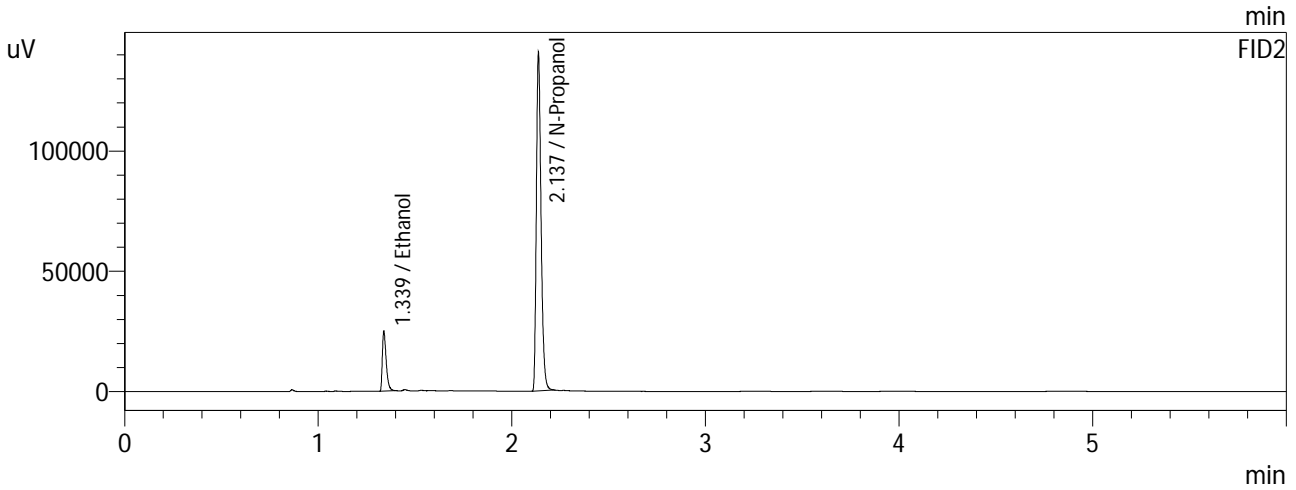
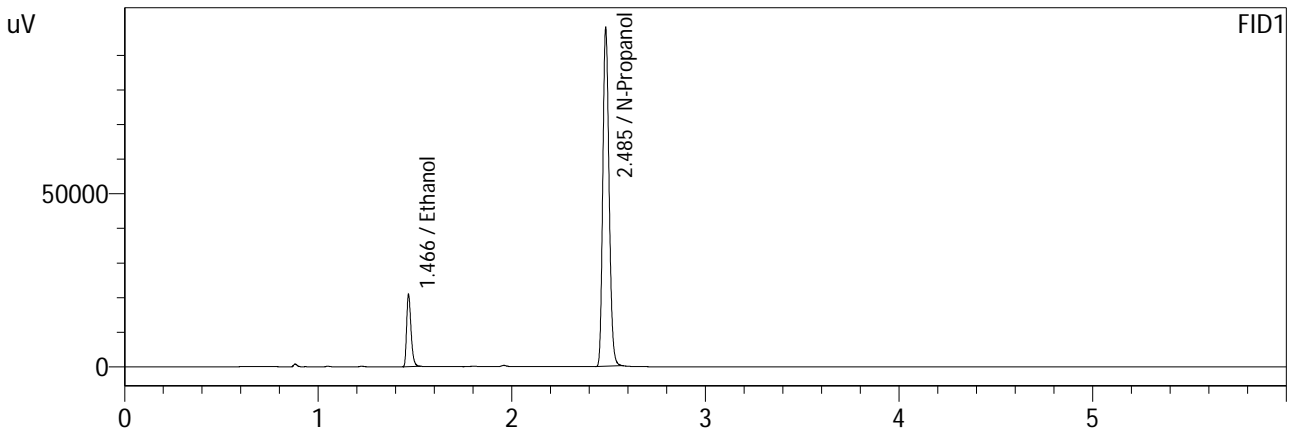
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

Sample Name : QC-1-2-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 3:45:46 AM
 Vial # : 34
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



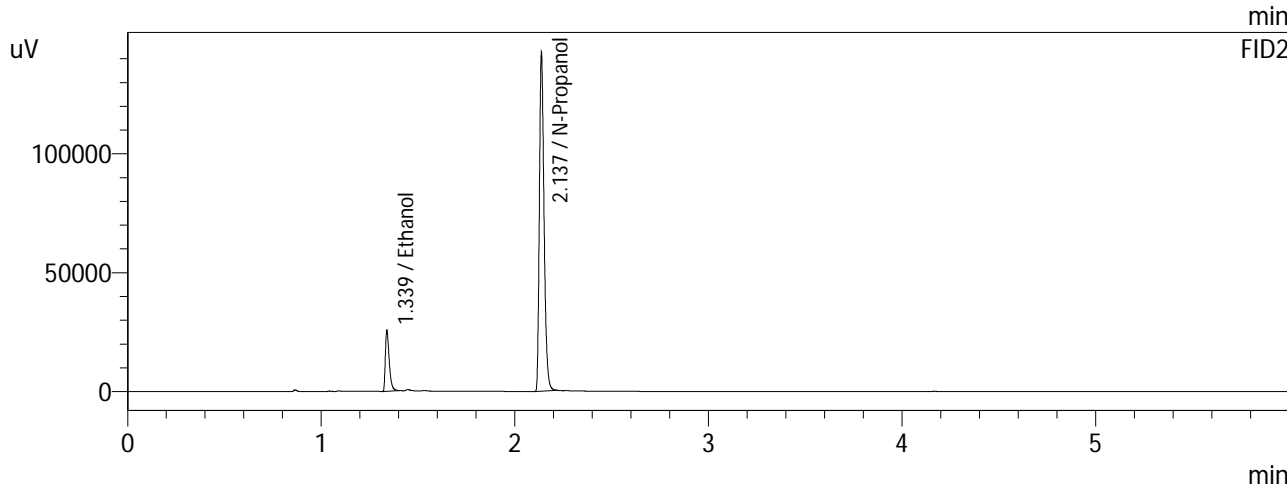
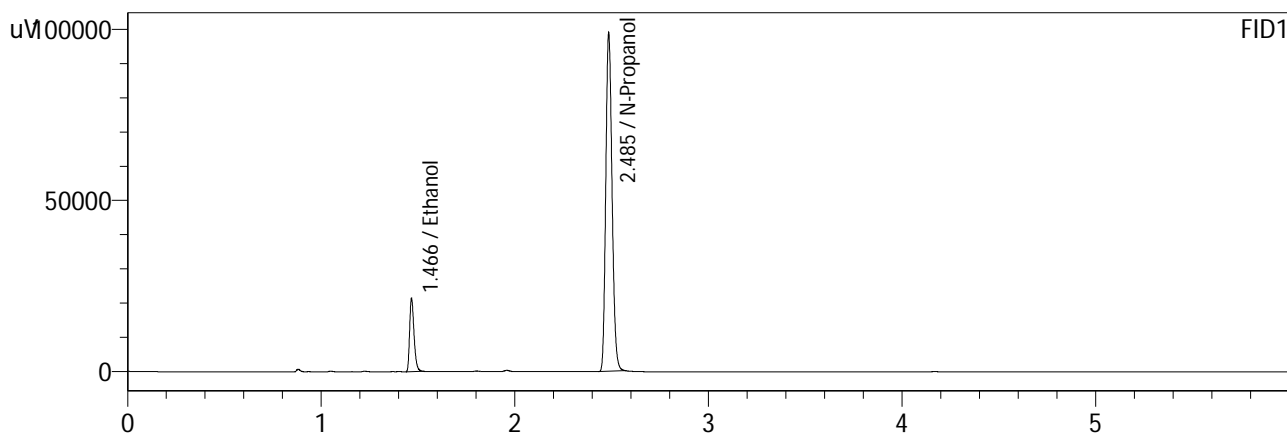
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.07721	32624	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	220461	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.07753	34425	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	237553	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-2-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 3:55:18 AM
 Vial # : 35
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.07845	33521	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	222808	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.07879	35383	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	240001	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2-1

Analysis Date(s): 6/5/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1933	0.1937	0.0004	0.1935	0.0017	0.1943
(g/100cc)	0.1950	0.1955	0.0005	0.1952		

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

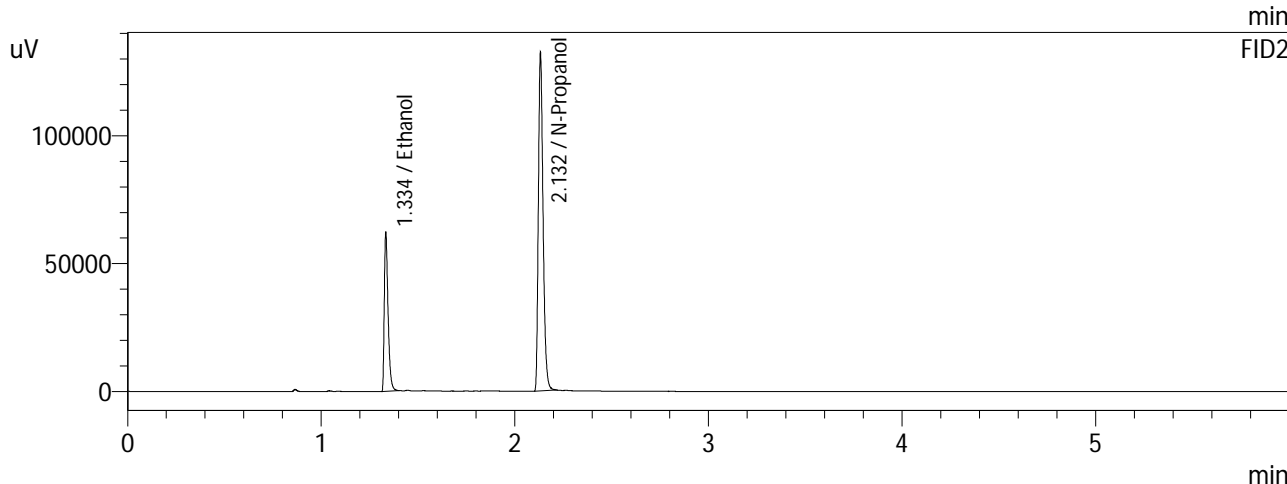
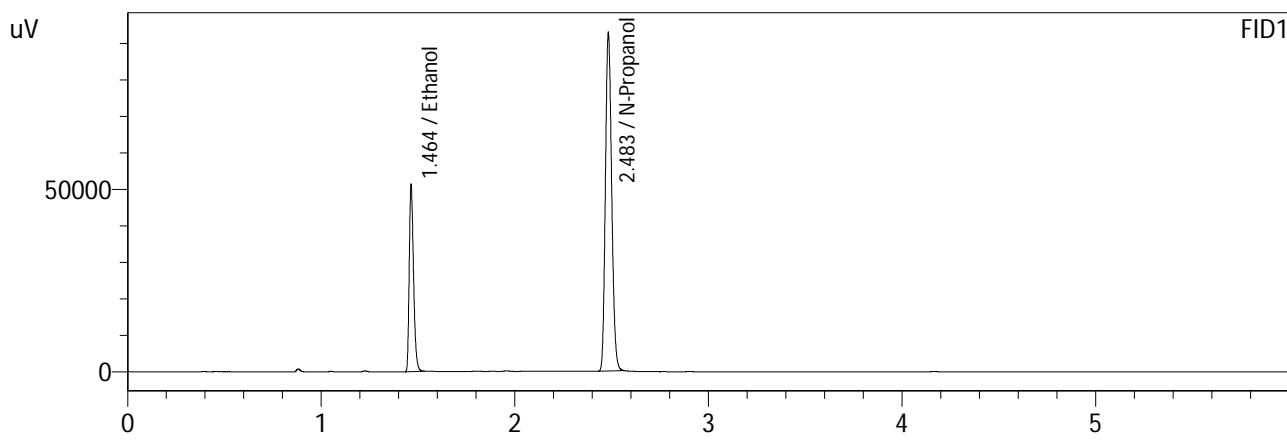
Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.194	0.184	0.204	0.010

Reported Result	
0.194	

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/5/2021 10:59:10 PM
 Vial # : 3
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



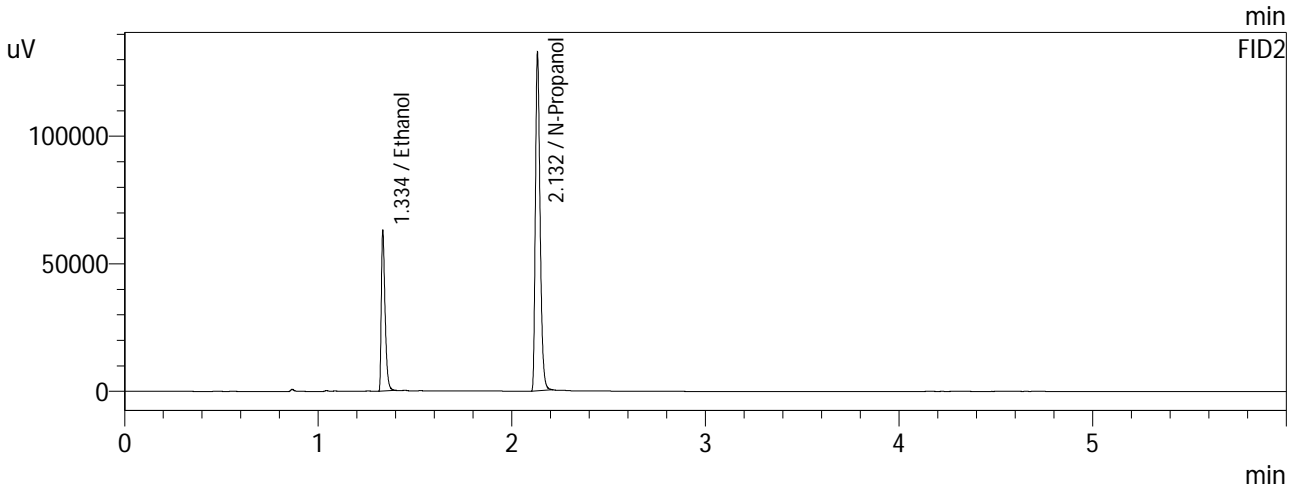
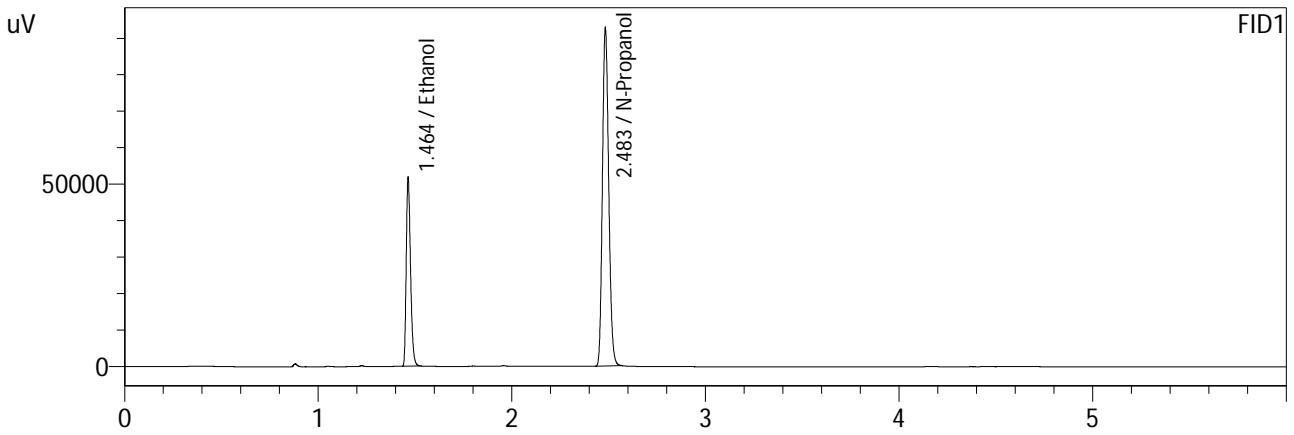
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.19335	78864	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	208927	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.19376	84158	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	223637	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 6/5/2021 11:08:30 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.19503	79528	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	208845	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.19555	84985	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	223718	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2-2

Analysis Date(s): 6/5/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2153	0.2159	0.0006	0.2156	0.0009	0.2151
(g/100cc)	0.2145	0.2149	0.0004	0.2147		

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

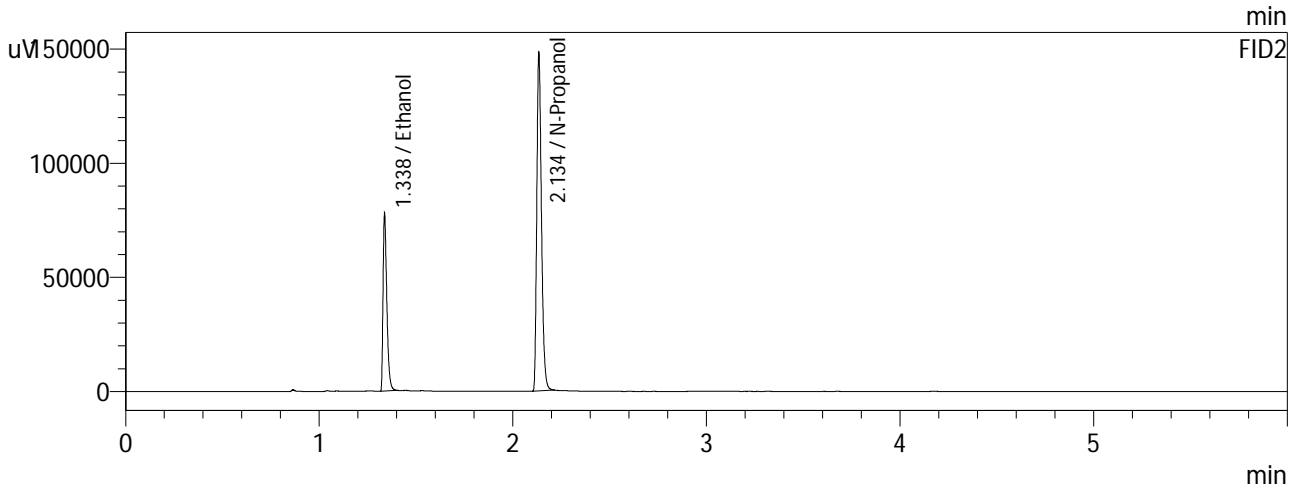
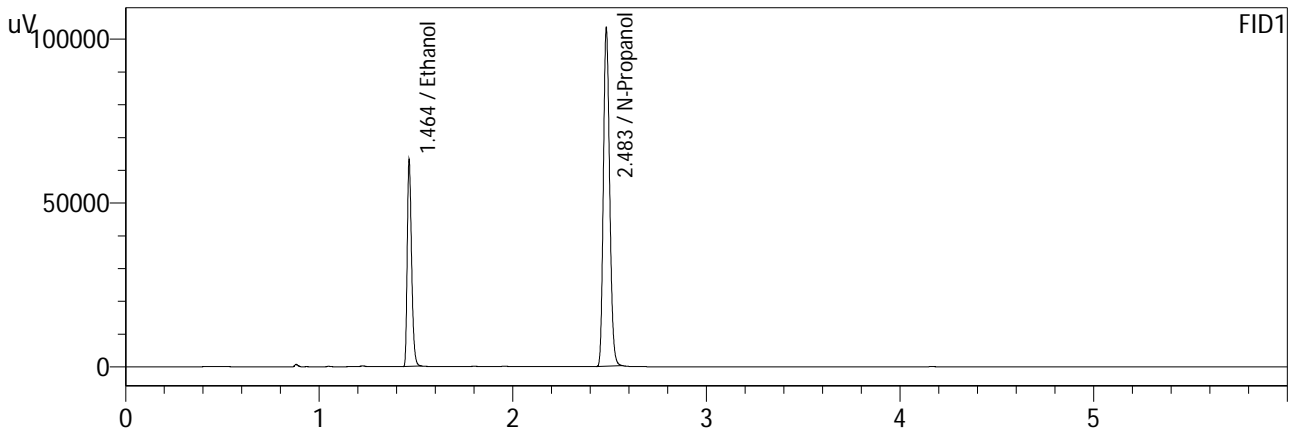
Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.215	0.204	0.226	0.011

Reported Result	
0.215	

Calibration and control data are stored centrally.

Sample Name : QC-2-2-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 6:50:31 AM
 Vial # : 54
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



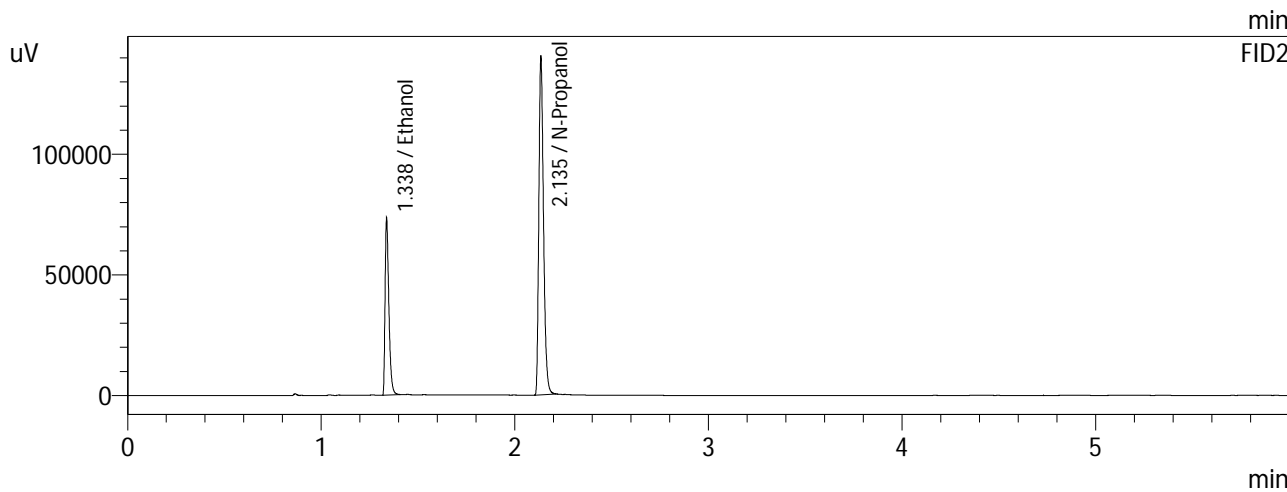
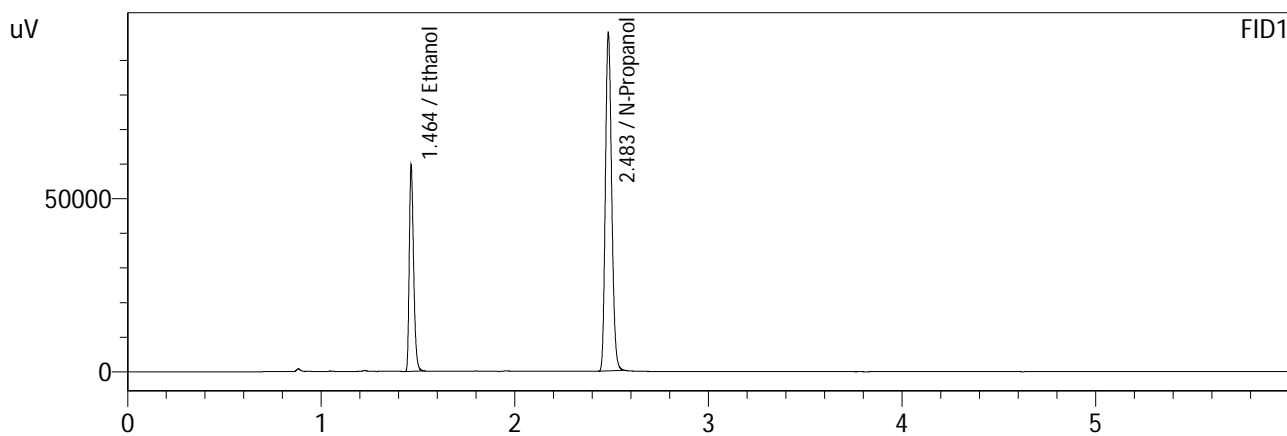
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.21534	97937	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	232670	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.21592	105049	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	249853	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-2-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 6/6/2021 6:59:39 AM
 Vial # : 55
 Method Filename : C:\LabSolutions\Data\6-5-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.21451	92353	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.00000	220262	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.21493	99001	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.00000	236579	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc