

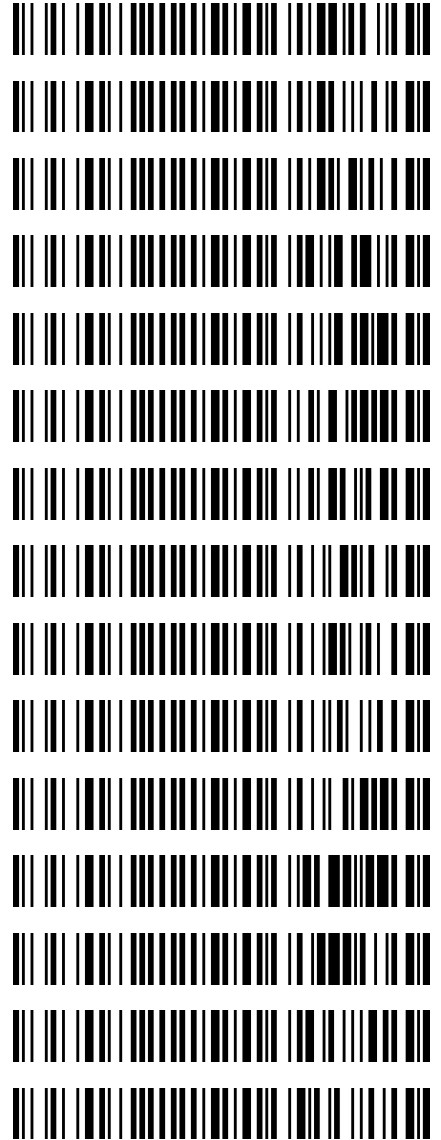
REVIEWED

By Galina Giso at 9:40 am, Oct 06, 2021

10/5/2021

Worklist: 5262

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
C2021-2057	1	BCK	Alcohol Analysis
C2021-2057	2	BCK	Alcohol Analysis
C2021-2060	1	BCK	Alcohol Analysis
C2021-2069	1	BCK	Alcohol Analysis
C2021-2086	1	BCK	Alcohol Analysis
C2021-2116	1	BCK	Alcohol Analysis
C2021-2117	1	BCK	Alcohol Analysis
C2021-2127	2	BCK	Alcohol Analysis
C2021-2132	1	BCK	Alcohol Analysis
C2021-2136	1	BCK	Alcohol Analysis
C2021-2137	1	BCK	Alcohol Analysis
C2021-2146	1	BCK	Alcohol Analysis
C2021-2158	1	BCK	Alcohol Analysis
C2021-2175	1	BCK	Alcohol Analysis
C2021-2190	1	BCK	Alcohol Analysis



Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11379

Volatiles Quality Assurance Controls

Run Date(s):10-4-2021

worklist #5262

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0763 g/100cc	
					0.0787 g/100cc	
					g/100cc	
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2034 g/100cc	
					g/100cc	
					g/100cc	
Multi-Component mixture:		Jul-22	Lot #	FN07101701	OK	
Curve Fit:			Column 1	0.99992	Column2	0.99984

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0477	0.0469	0.0008	0.0473
100	0.100	0.090 - 0.110	0.0971	0.0956	0.0015	0.0963
200	0.200	0.180 - 0.220	0.1955	0.1939	0.0016	0.1947
300	0.300	0.270 - 0.330	0.2994	0.2984	0.001	0.2989
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5028	0.5045	0.0017	0.5036

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

80

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):10-4-2021

worklist #5262

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0763 g/100cc	
					0.0787 g/100cc	
					g/100cc	
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2034 g/100cc	
					g/100cc	
					g/100cc	
Multi-Component mixture:		Jul-22	Lot #	FN07101701	OK	
Curve Fit:			Column 1	0.99992	Column2	0.99984

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0464	0.0469	0.0005	0.0466
100	0.100	0.090 - 0.110	0.0971	0.0956	0.0015	0.0963
200	0.200	0.180 - 0.220	0.1955	0.1939	0.0016	0.1947
300	0.300	0.270 - 0.330	0.2994	0.2984	0.001	0.2989
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5028	0.5045	0.0017	0.5036

10-6-21

JJ

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

JJ

Region 1 CDA Blood Alcohol Analysis Batch Table

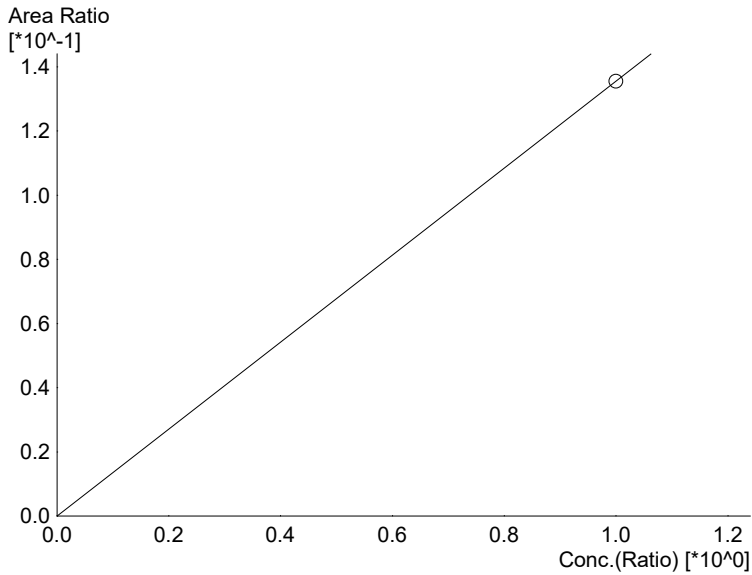
Shimadzu GC-2030 Serial #C1225850700
 Shimadzu HS-20 Serial #C12595700181
 Lab Solutions Software Ver. 5.99
 Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL (short).GCM
2	0.050	1:Standard:(R)	1	ALCOHOL (short).GCM
3	0.100	1:Standard:(R)	2	ALCOHOL (short).GCM
4	0.200	1:Standard:(R)	3	ALCOHOL (short).GCM
5	0.300	1:Standard:(R)	4	ALCOHOL (short).GCM
6	0.500	1:Standard:(R)	5	ALCOHOL (short).GCM
7	INT STD BLK 2	0:Unknown	0	ALCOHOL (short).GCM
8	MULTI-COMP MIX	1:Standard:(R)	6	ALCOHOL (short).GCM
9	INT STD BLK 3	0:Unknown	0	ALCOHOL (short).GCM
10	QC-1-1-A	0:Unknown	0	ALCOHOL (short).GCM
11	QC-1-1-B	0:Unknown	0	ALCOHOL (short).GCM
12	0.08 QA - A	0:Unknown	0	ALCOHOL (short).GCM
13	0.08 QA - B	0:Unknown	0	ALCOHOL (short).GCM
14	C2021-2057-1-A	0:Unknown	0	ALCOHOL (short).GCM
15	C2021-2057-1-B	0:Unknown	0	ALCOHOL (short).GCM
16	C2021-2057-2-A	0:Unknown	0	ALCOHOL (short).GCM
17	C2021-2057-2-B	0:Unknown	0	ALCOHOL (short).GCM
18	C2021-2060-1-A	0:Unknown	0	ALCOHOL (short).GCM
19	C2021-2060-1-B	0:Unknown	0	ALCOHOL (short).GCM
20	C2021-2069-1-A	0:Unknown	0	ALCOHOL (short).GCM
21	C2021-2069-1-B	0:Unknown	0	ALCOHOL (short).GCM
22	C2021-2086-1-A	0:Unknown	0	ALCOHOL (short).GCM
23	C2021-2086-1-B	0:Unknown	0	ALCOHOL (short).GCM
24	C2021-2116-1-A	0:Unknown	0	ALCOHOL (short).GCM
25	C2021-2116-1-B	0:Unknown	0	ALCOHOL (short).GCM
26	C2021-2117-1-A	0:Unknown	0	ALCOHOL (short).GCM
27	C2021-2117-1-B	0:Unknown	0	ALCOHOL (short).GCM
28	C2021-2127-2-A	0:Unknown	0	ALCOHOL (short).GCM
29	C2021-2127-2-B	0:Unknown	0	ALCOHOL (short).GCM
30	C2021-2132-1-A	0:Unknown	0	ALCOHOL (short).GCM
31	C2021-2132-1-B	0:Unknown	0	ALCOHOL (short).GCM
32	QC-2-2-A	0:Unknown	0	ALCOHOL (short).GCM
33	QC-2-2-B	0:Unknown	0	ALCOHOL (short).GCM
34	C2021-2136-1-A	0:Unknown	0	ALCOHOL (short).GCM
35	C2021-2136-1-B	0:Unknown	0	ALCOHOL (short).GCM
36	C2021-2137-1-A	0:Unknown	0	ALCOHOL (short).GCM
37	C2021-2137-1-B	0:Unknown	0	ALCOHOL (short).GCM
38	C2021-2146-1-A	0:Unknown	0	ALCOHOL (short).GCM
39	C2021-2146-1-B	0:Unknown	0	ALCOHOL (short).GCM
40	C2021-2158-1-A	0:Unknown	0	ALCOHOL (short).GCM
41	C2021-2158-1-B	0:Unknown	0	ALCOHOL (short).GCM
42	C2021-2175-1-A	0:Unknown	0	ALCOHOL (short).GCM
43	C2021-2175-1-B	0:Unknown	0	ALCOHOL (short).GCM
44	C2021-2190-1-A	0:Unknown	0	ALCOHOL (short).GCM
45	C2021-2190-1-B	0:Unknown	0	ALCOHOL (short).GCM
46	QC1-2-A	0:Unknown	0	ALCOHOL (short).GCM
47	QC1-2-B	0:Unknown	0	ALCOHOL (short).GCM
48	INT STD BLNK	0:Unknown	0	ALCOHOL (short).GCM

Calibration Table

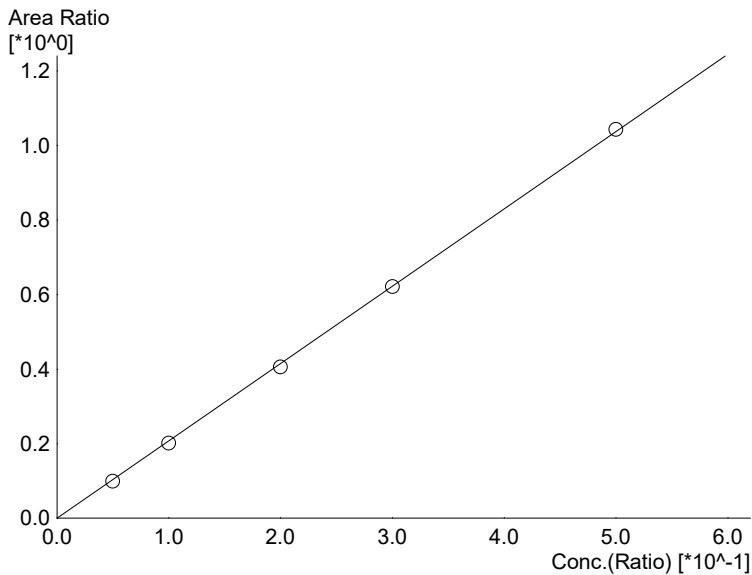
Laboratory : Coeur d' Alene
 Instrument Name : Nexis GC2030
 Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
 Method File :C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Batch File :C:\LabSolutions\Data\10-4-21\10-4-21.gcb
 Date Acquired :10/4/2021 2:22:43 PM
 Date Created :10/4/2021 2:19:48 PM
 Date Modified :10/5/2021 8:17:35 AM



Name : Methanol
 Detector Name: FID1
 Function : $f(x)=0.135502*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Through

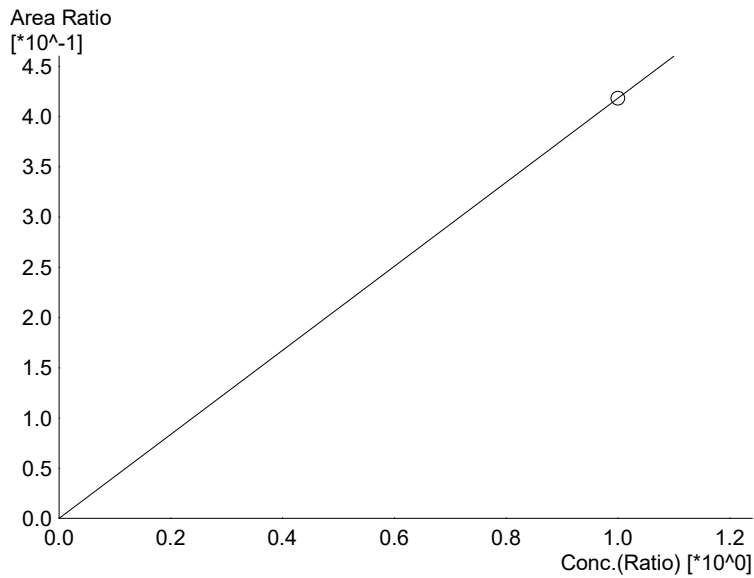
#	Conc.	Area	Std. Conc.
6	1.000	34356	1.0000



Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.07471*x+0$
 R² value= 0.9999240
 FitType: Linear
 ZeroThrough: Through

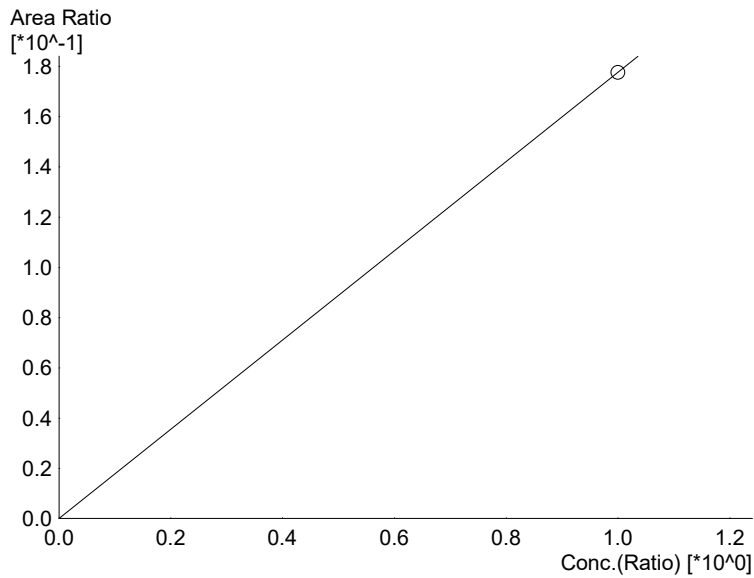
#	Conc.	Area	Std. Conc.
1	0.050	21694	0.0477
2	0.100	44196	0.0971
3	0.200	87648	0.1955
4	0.300	135367	0.2994
5	0.500	234960	0.5028

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Name : Isopropyl Alcohol
 Detector Name: FID1
 Function : $f(x)=0.418144*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Through

#	Conc.	Area	Std. Conc.
6	1.000	106020	1.0000



Name : Acetone
 Detector Name: FID1
 Function : $f(x)=0.177624*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Through

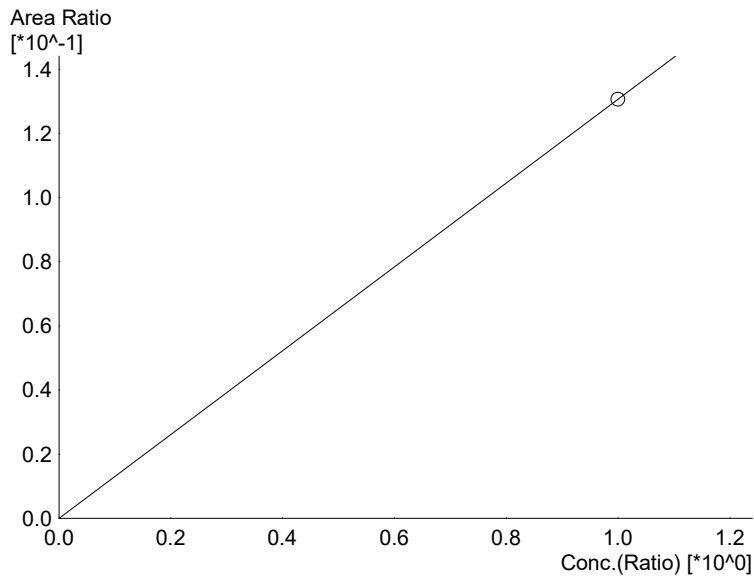
#	Conc.	Area	Std. Conc.
6	1.000	45036	1.0000



Name : Fluor. Hydrocarbon(s)
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Through

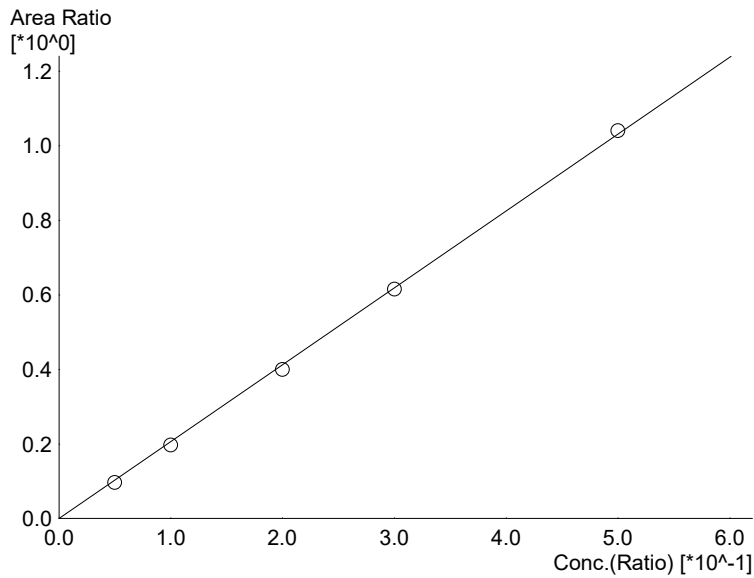
#	Conc.	Area	Std. Conc.
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80



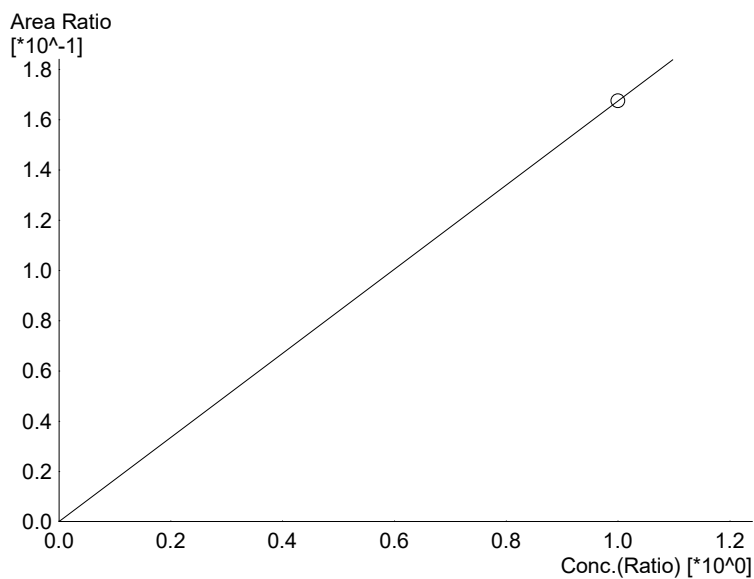
Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0.130588*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Through

#	Conc.	Area	Std. Conc.
6	1.000	34933	1.0000



Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.06281*x+0$
 R² value= 0.9998479
 FitType: Linear
 ZeroThrough: Through

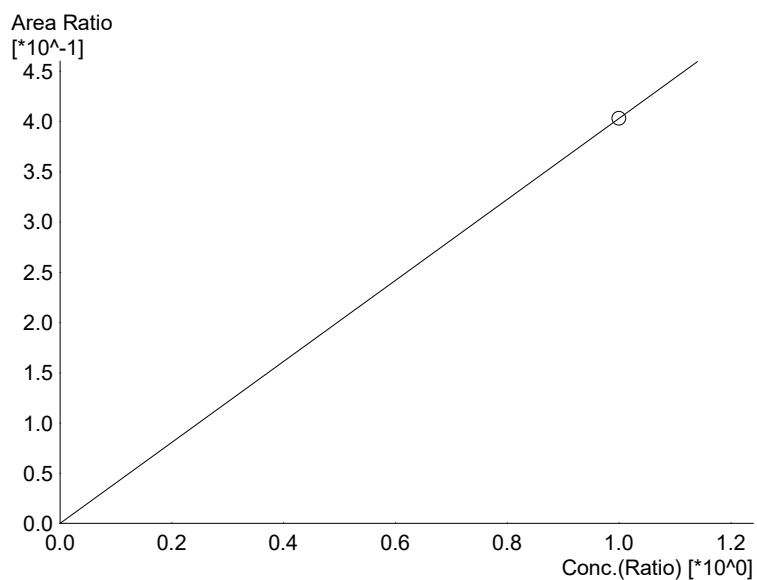
#	Conc.	Area	Std. Conc.
1	0.050	22414	0.0469
2	0.100	45715	0.0956
3	0.200	90957	0.1939
4	0.300	140940	0.2984
5	0.500	245633	0.5045



Name : Acetone
 Detector Name: FID2
 Function : $f(x)=0.167496*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Through

#	Conc.	Area	Std. Conc.
6	1.000	44806	1.0000

80



Name : Isopropyl Alcohol
 Detector Name: FID2
 Function : $f(x)=0.403259*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Through

#	Conc.	Area	Std. Conc.
6	1.000	107874	1.0000

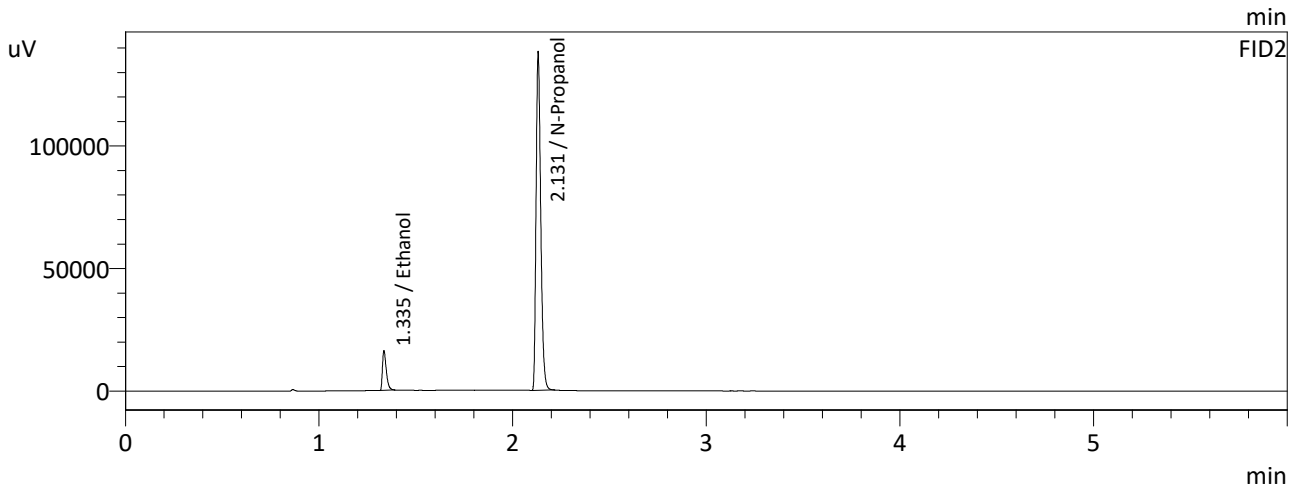
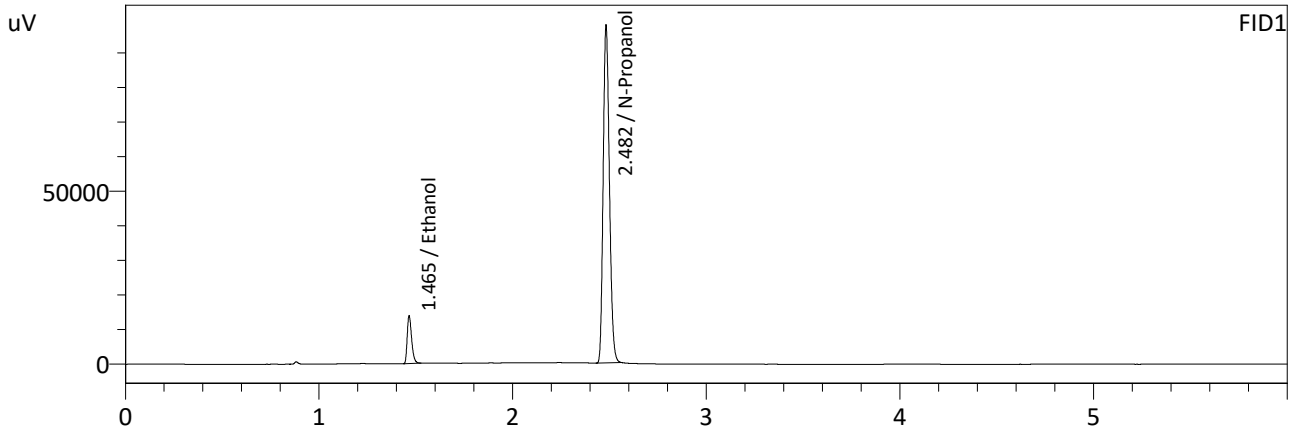


Name : Fluor. Hydrocarbon(s)
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Through

#	Conc.	Area	Std. Conc.
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SP

Sample Name : 0.050
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 1:46:32 PM
 Vial # : 2
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



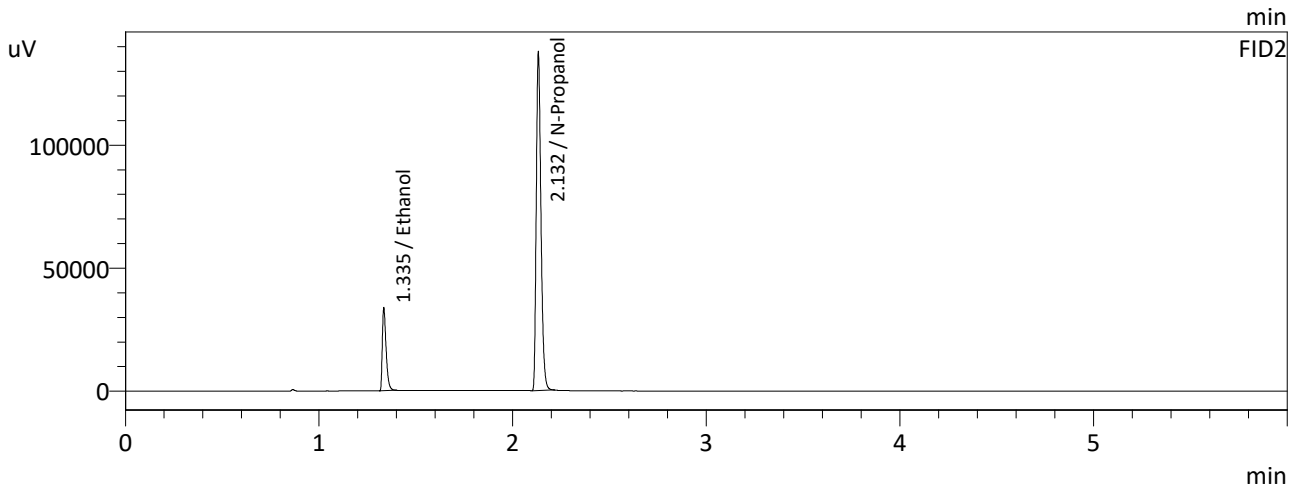
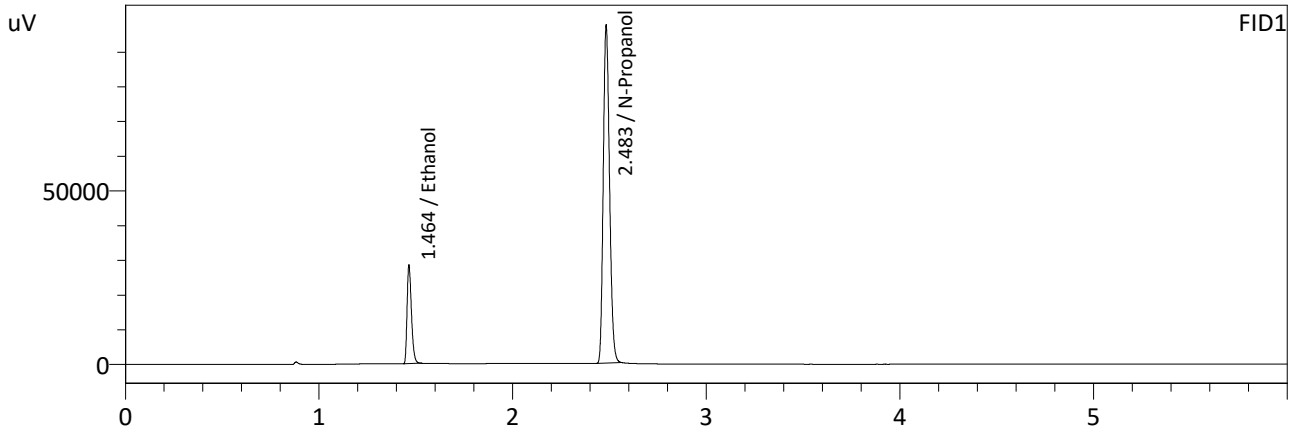
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0477	21694	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218859	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0469	22414	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231473	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 1:55:34 PM
 Vial # : 3
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



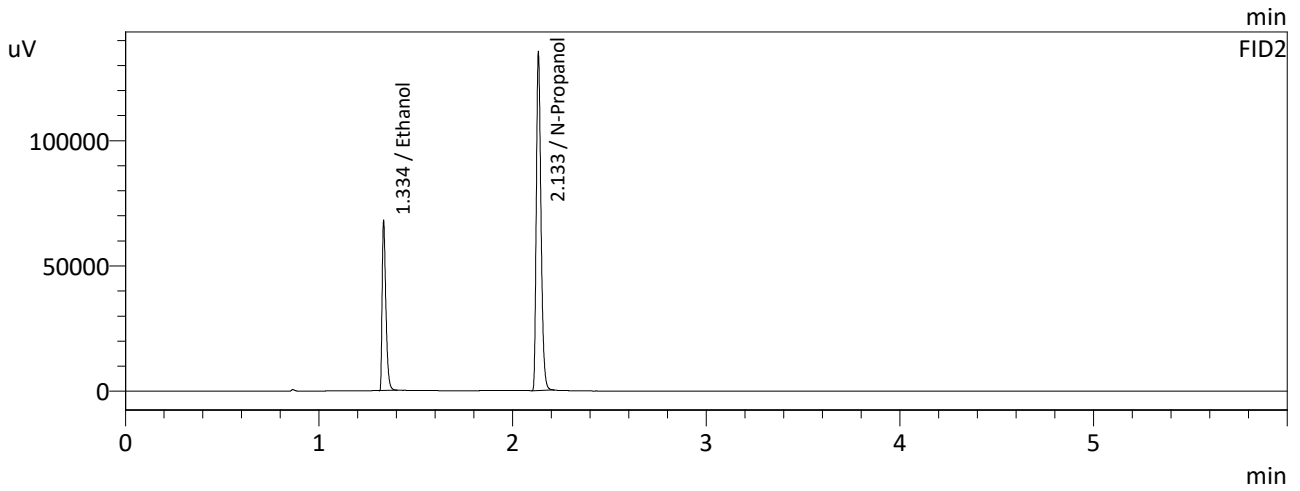
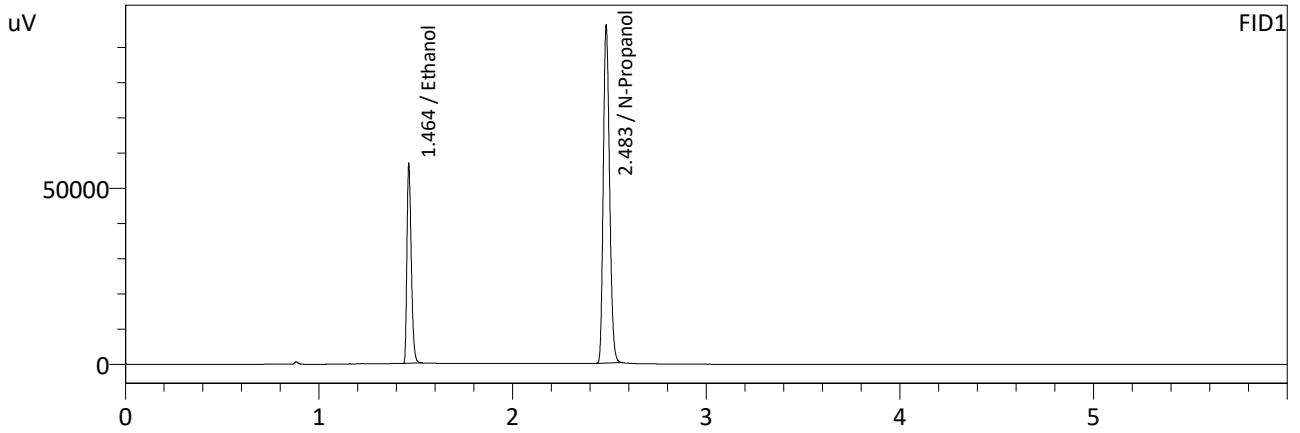
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0971	44196	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219262	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0956	45715	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231576	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 2:04:37 PM
 Vial # : 4
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



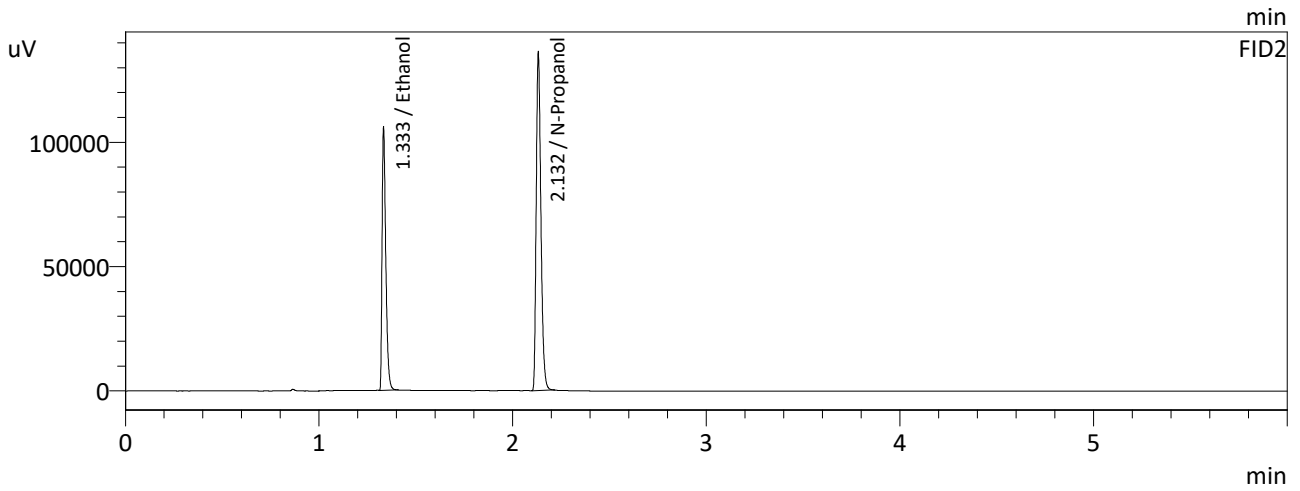
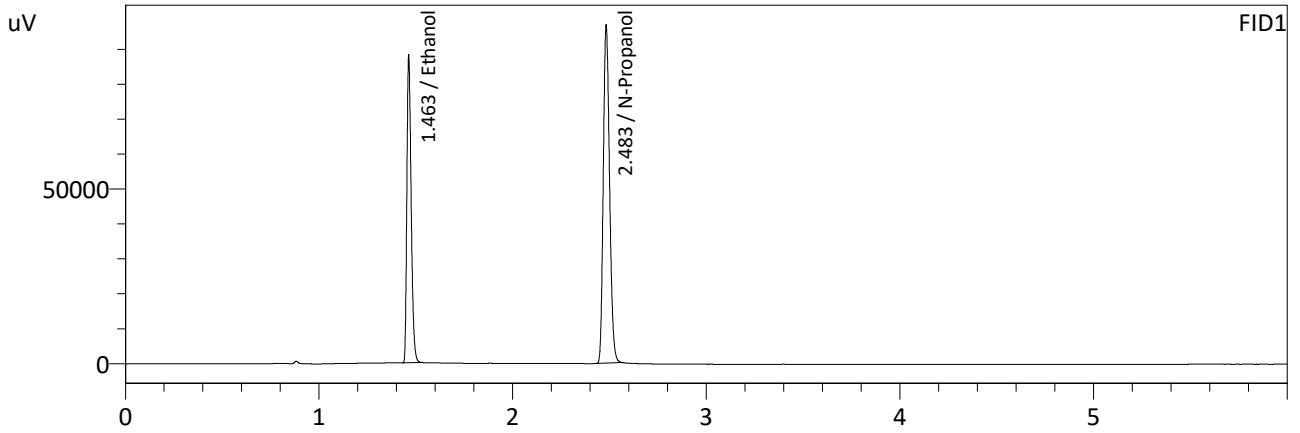
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1955	87648	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	216024	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1939	90957	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227322	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 2:13:40 PM
 Vial # : 5
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



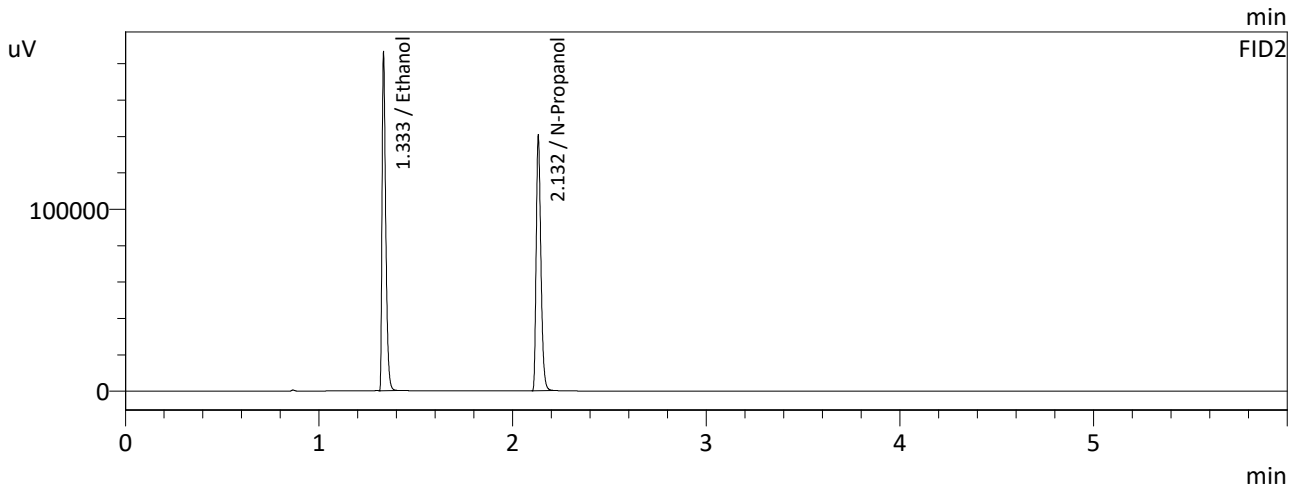
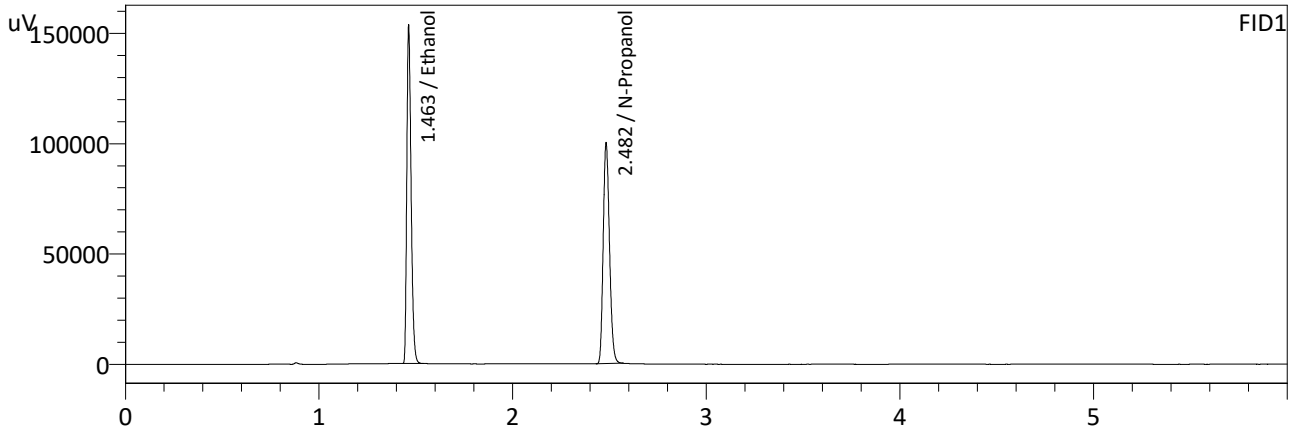
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2994	135367	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217877	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2984	140940	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228929	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 2:22:43 PM
 Vial # : 6
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



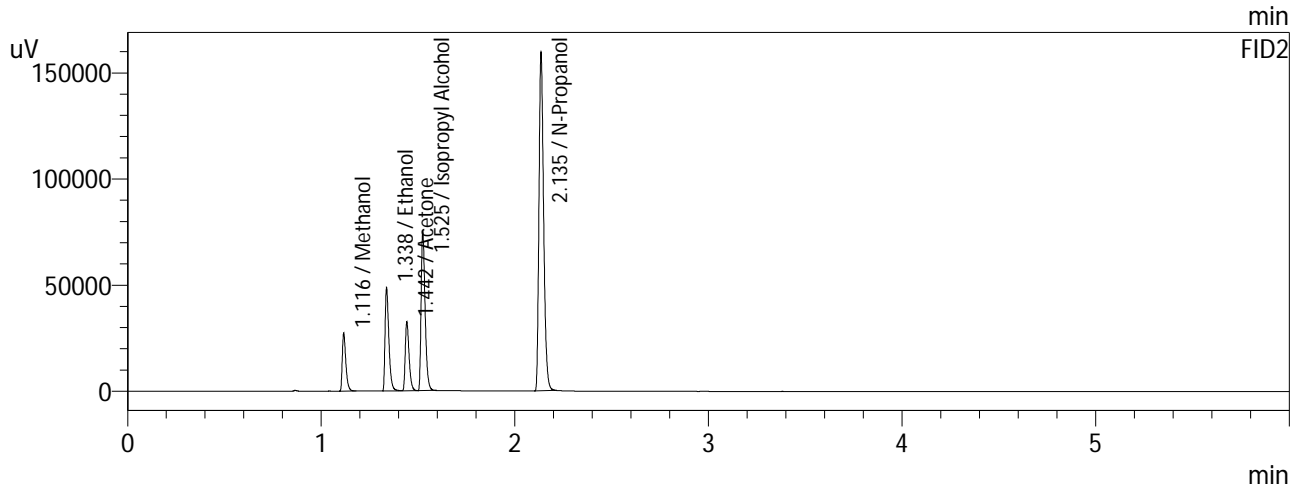
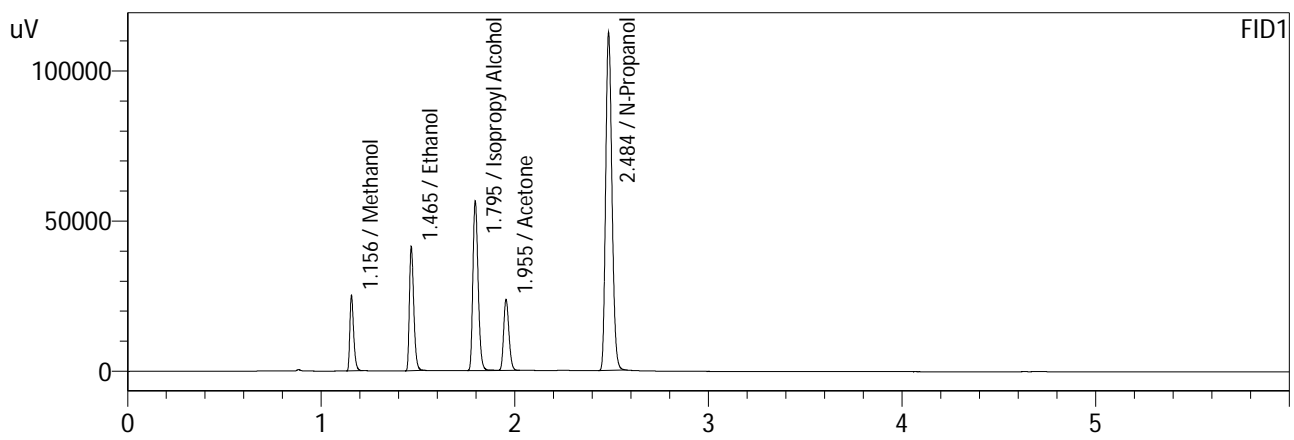
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5028	234960	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225198	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5045	245633	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236026	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MULTI-COMP MIX
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 2:40:48 PM
 Vial # : 8
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	1.0000	34356	g/100cc
Ethanol	0.1223	64377	g/100cc
Isopropyl Alcohol	1.0000	106020	g/100cc
Acetone	1.0000	45036	g/100cc
N-Propanol	0.0000	253548	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	1.0000	34933	g/100cc
Ethanol	0.1204	66441	g/100cc
Acetone	1.0000	44806	g/100cc
Isopropyl Alcohol	1.0000	107874	g/100cc
N-Propanol	0.0000	267505	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA

Analysis Date(s): 10-4-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0795	0.0777	0.0018	0.0786	0.0017	0.0794
(g/100cc)	0.0813	0.0793	0.0020	0.0803		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

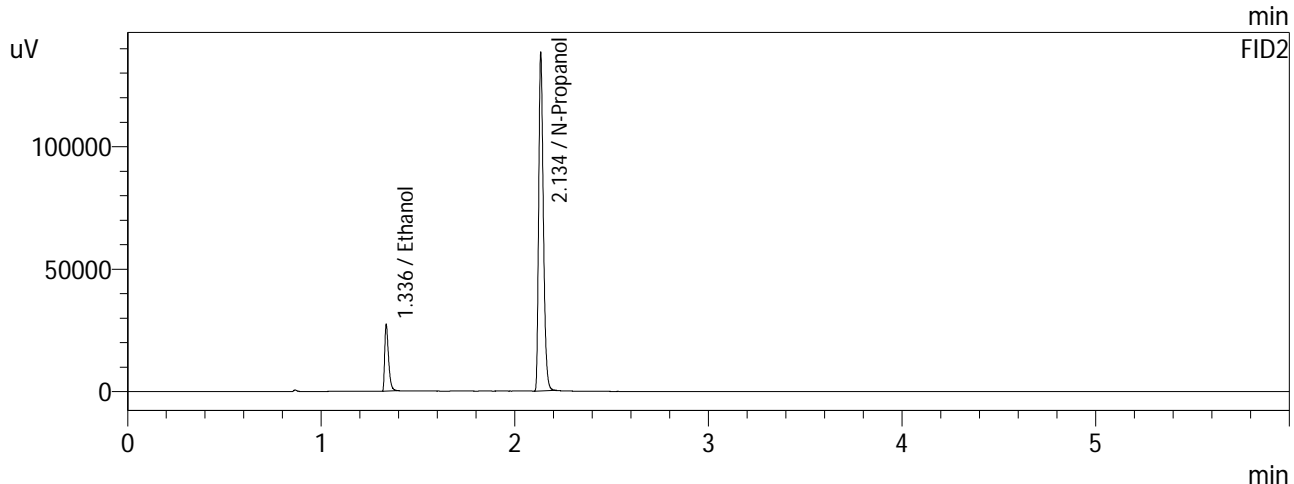
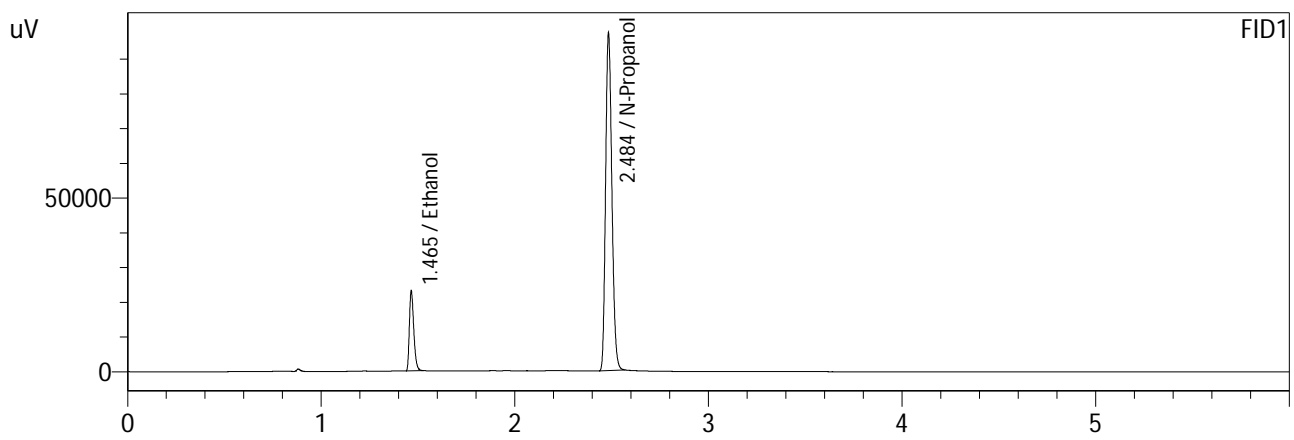
Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

Reported Result	
0.079	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA - A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 3:17:00 PM
 Vial # : 12
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



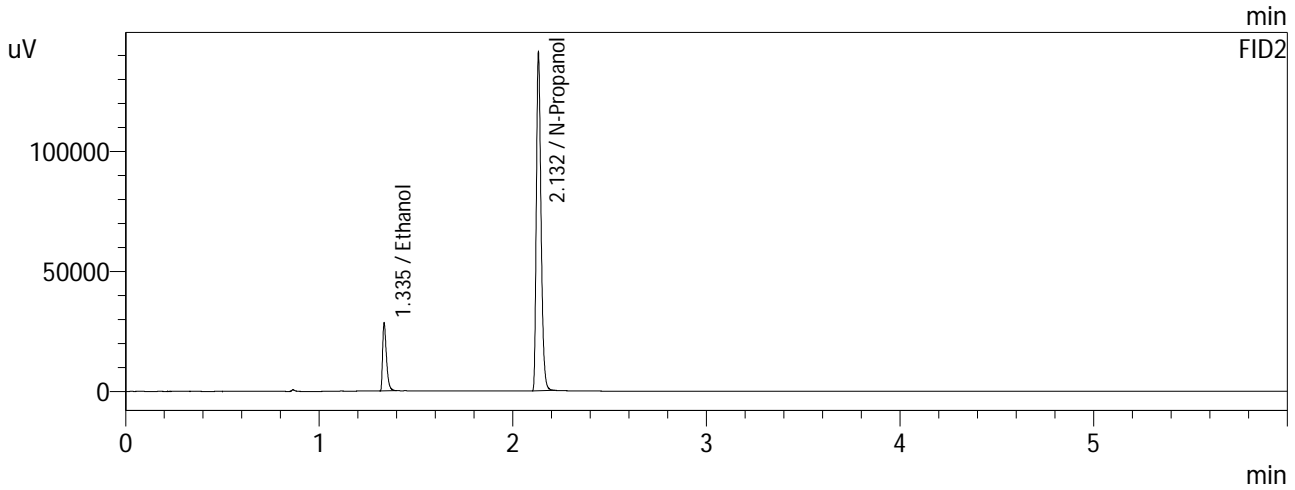
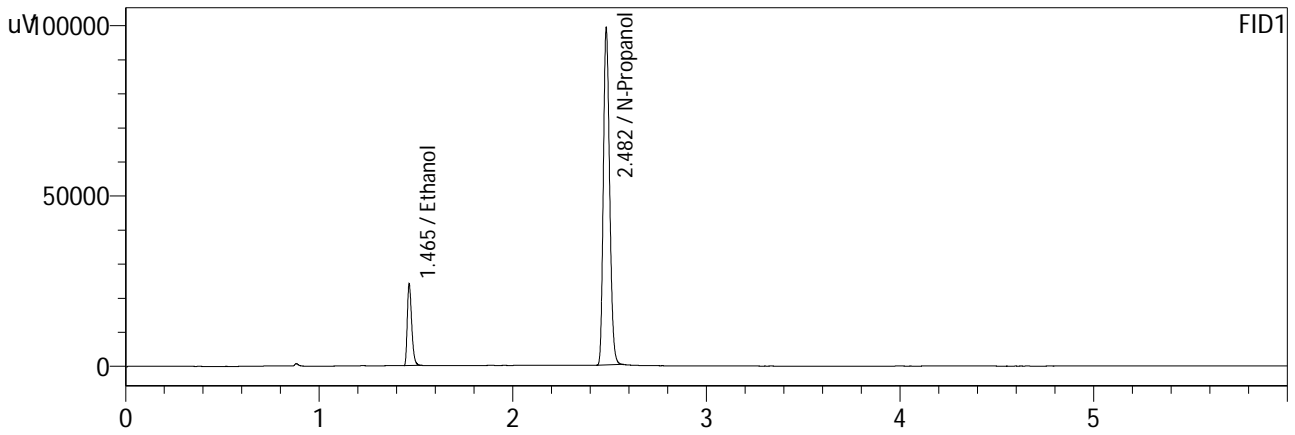
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0795	36148	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219030	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0777	37236	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232260	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA - B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 3:26:03 PM
 Vial # : 13
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	37623	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	223026	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	38771	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236810	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 10-4-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0770	0.0750	0.0020	0.0760	0.0006	0.0763
(g/100cc)	0.0775	0.0758	0.0017	0.0766		

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

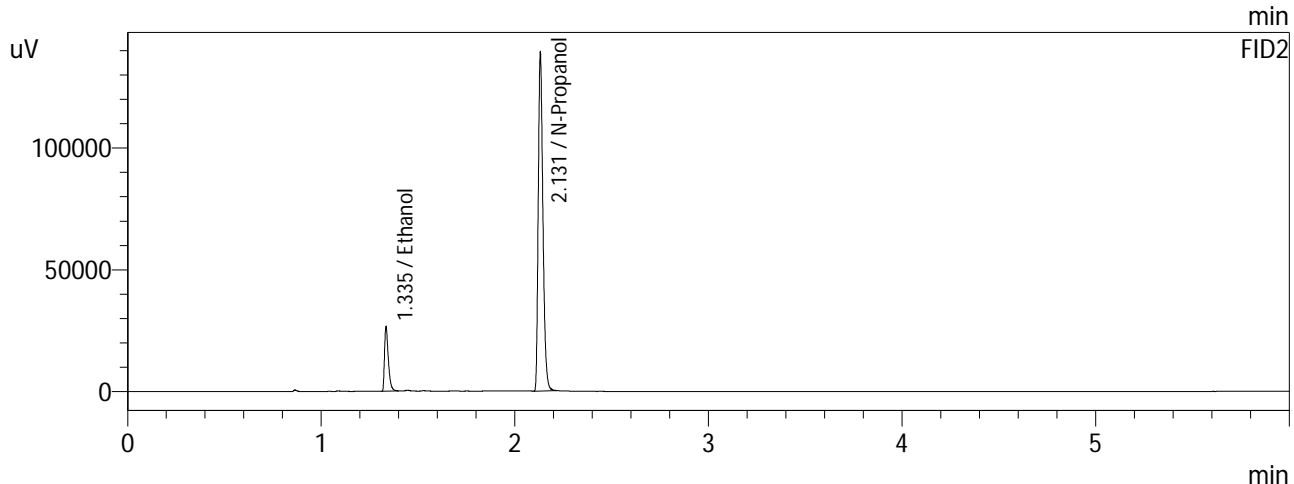
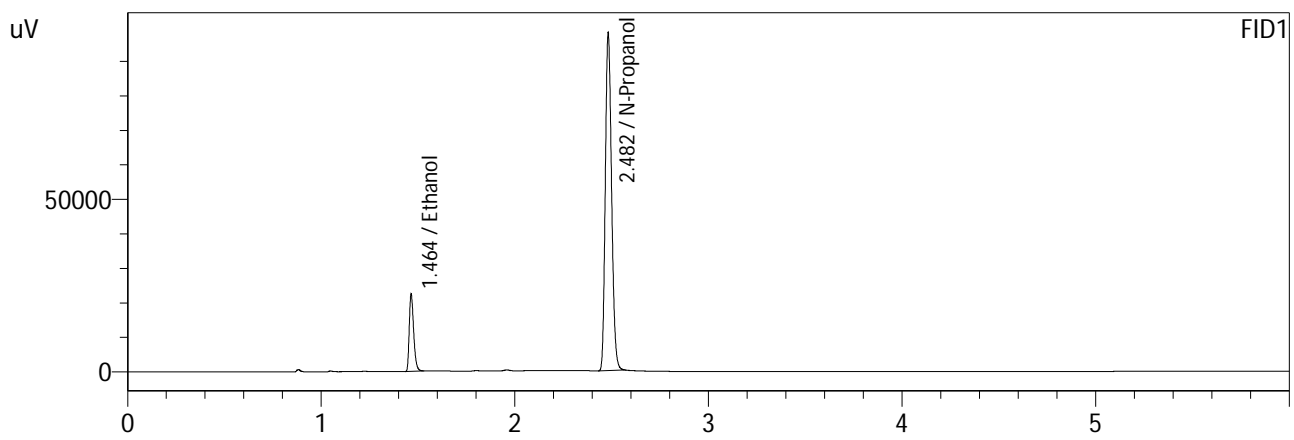
Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

Reported Result	
0.076	

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 2:58:55 PM
 Vial # : 10
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



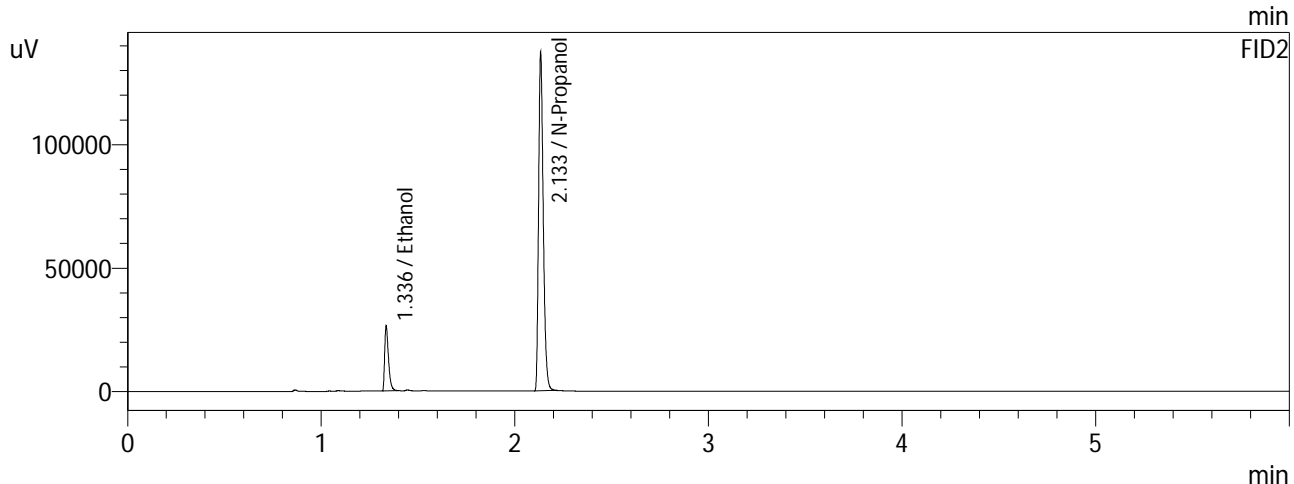
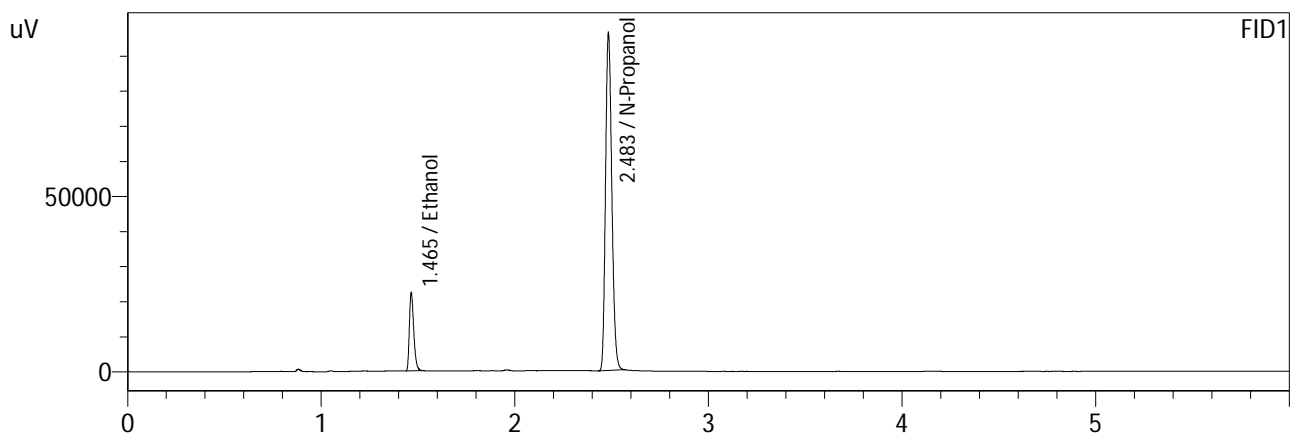
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0770	35201	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220225	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0750	36176	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	233517	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 3:07:57 PM
 Vial # : 11
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0775	34898	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	216875	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0758	36040	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	230269	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

88

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 10-4-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0802	0.0775	0.0027	0.0788	0.0002	0.0787
(g/100cc)	0.0800	0.0772	0.0028	0.0786		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

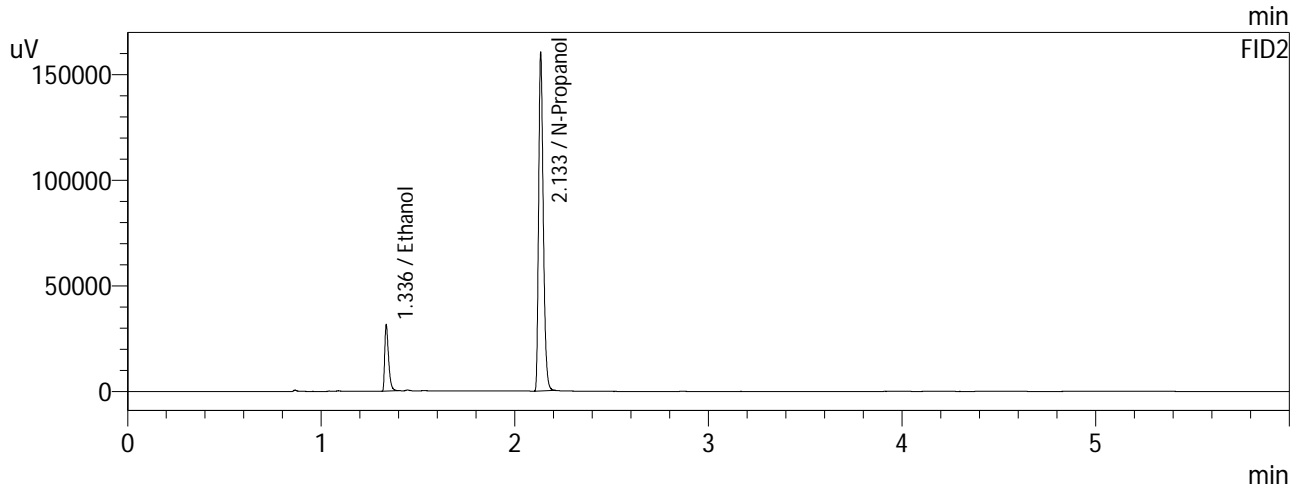
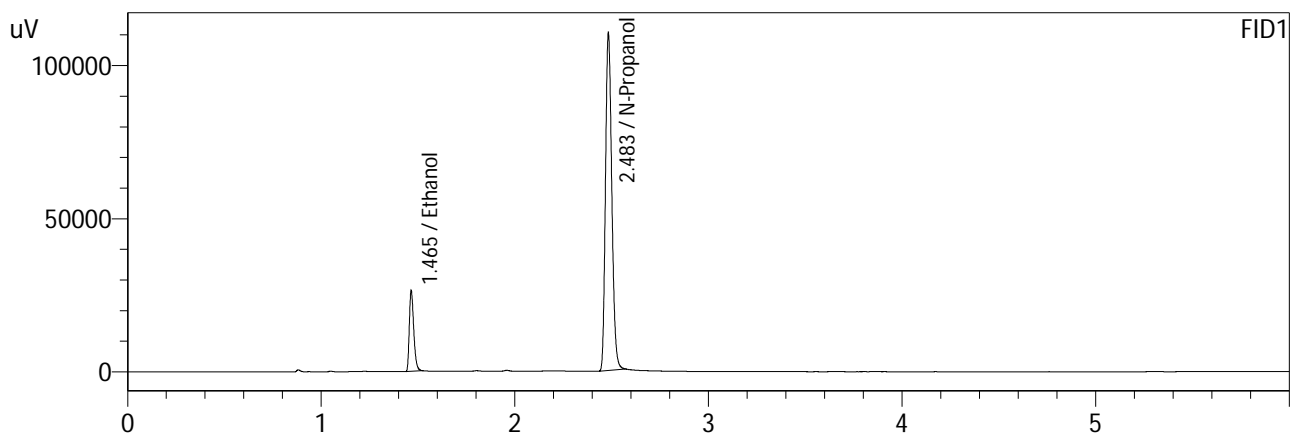
Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 8:25:12 PM
 Vial # : 46
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

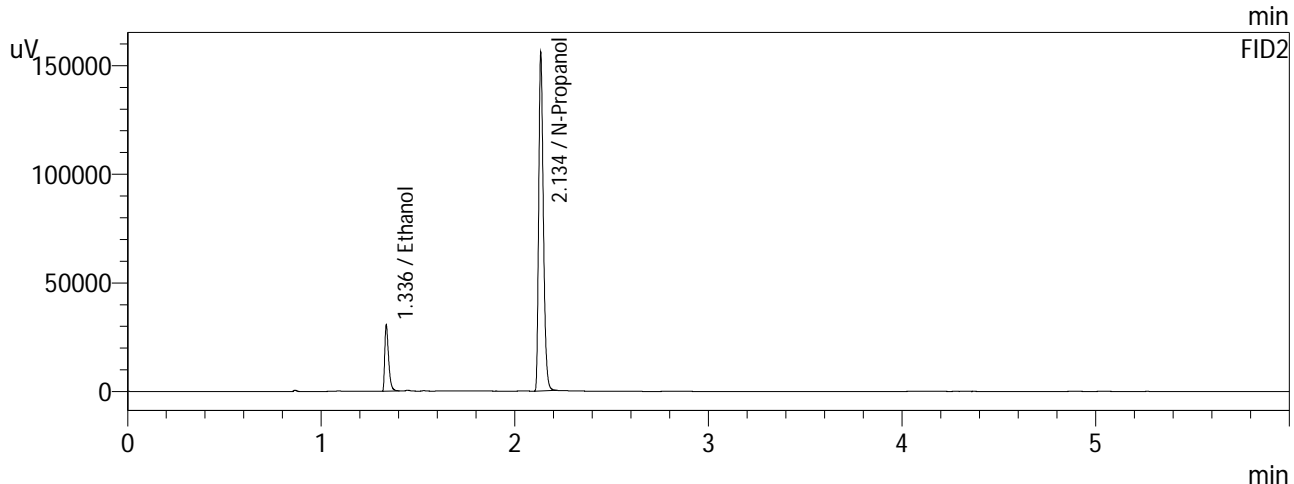
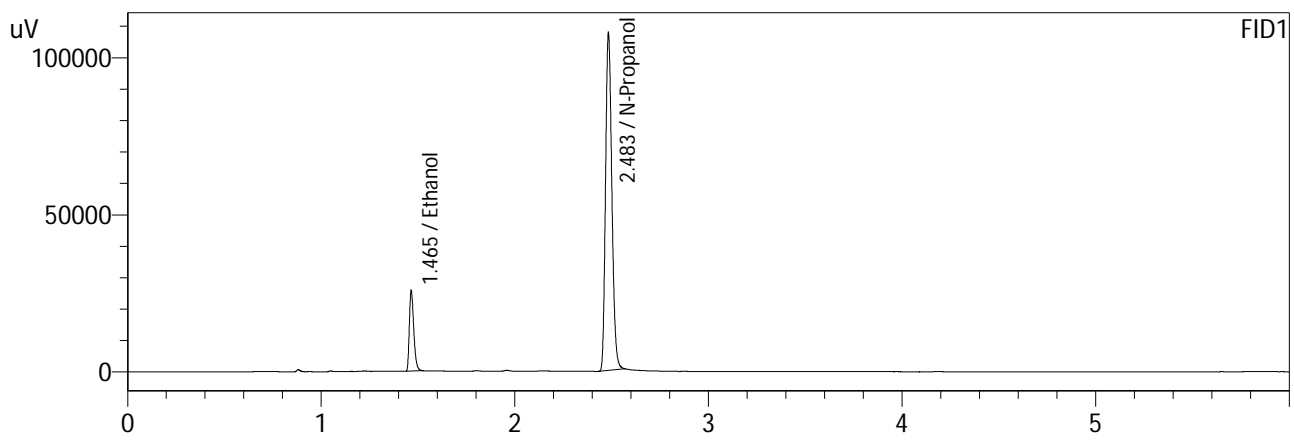
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0802	41621	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	249880	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0775	42939	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	268331	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

88

Sample Name : QC1-2-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 8:34:17 PM
 Vial # : 47
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0800	40467	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	243544	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0772	41675	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	261496	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 10-4-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2065	0.2020	0.0045	0.2042	0.0016	0.2034
(g/100cc)	0.2048	0.2004	0.0044	0.2026		

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

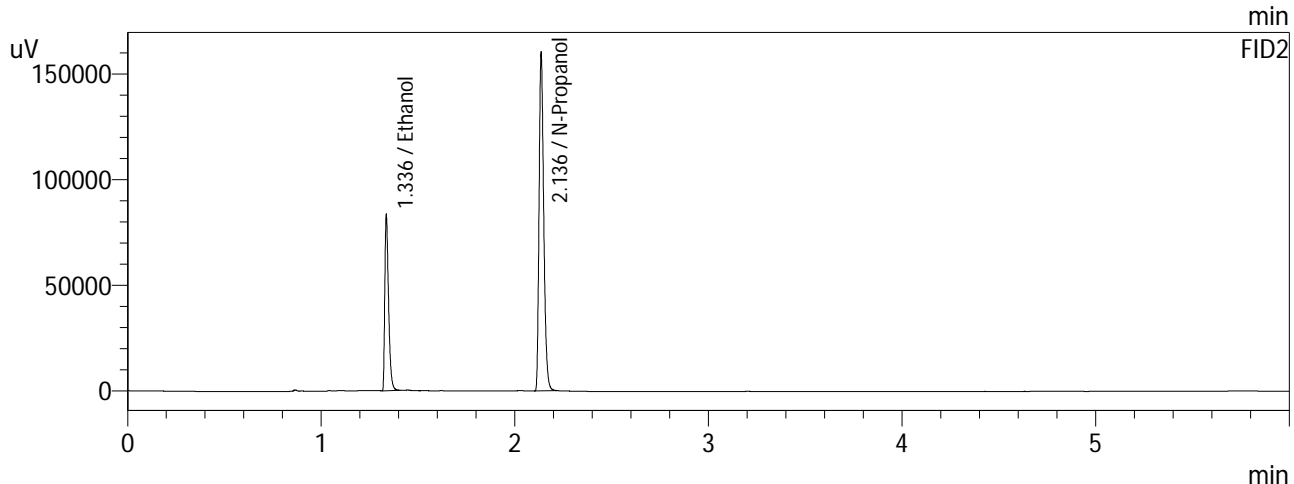
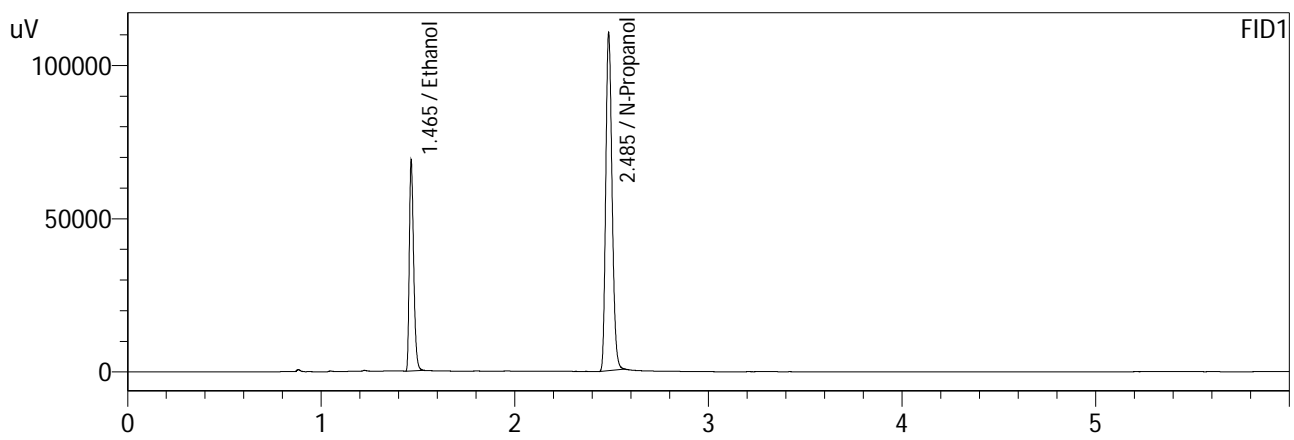
Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.203	0.192	0.214	0.011

Reported Result	
0.203	

Calibration and control data are stored centrally.

Sample Name : QC-2-2-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 6:17:57 PM
 Vial # : 32
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



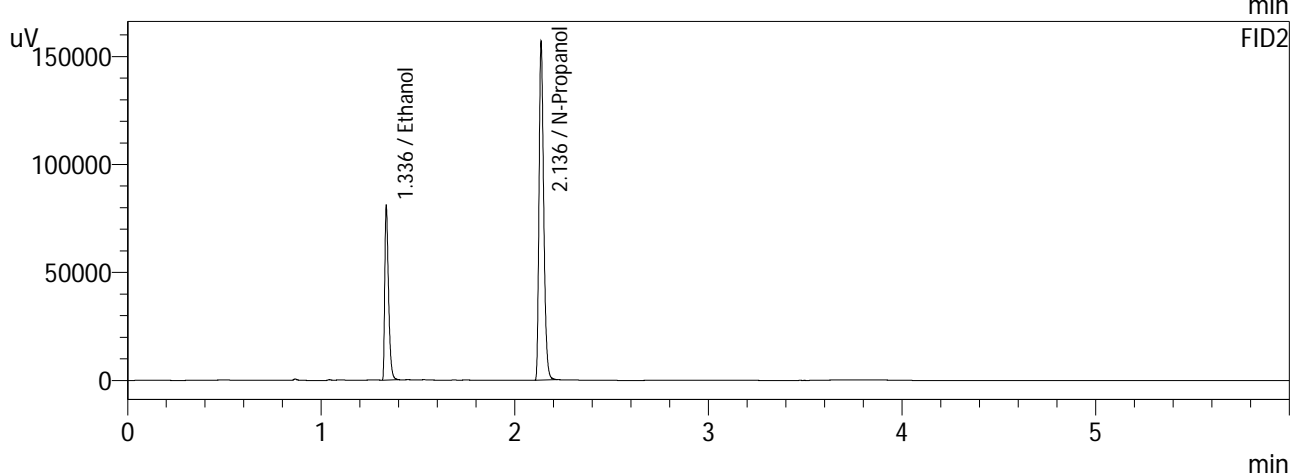
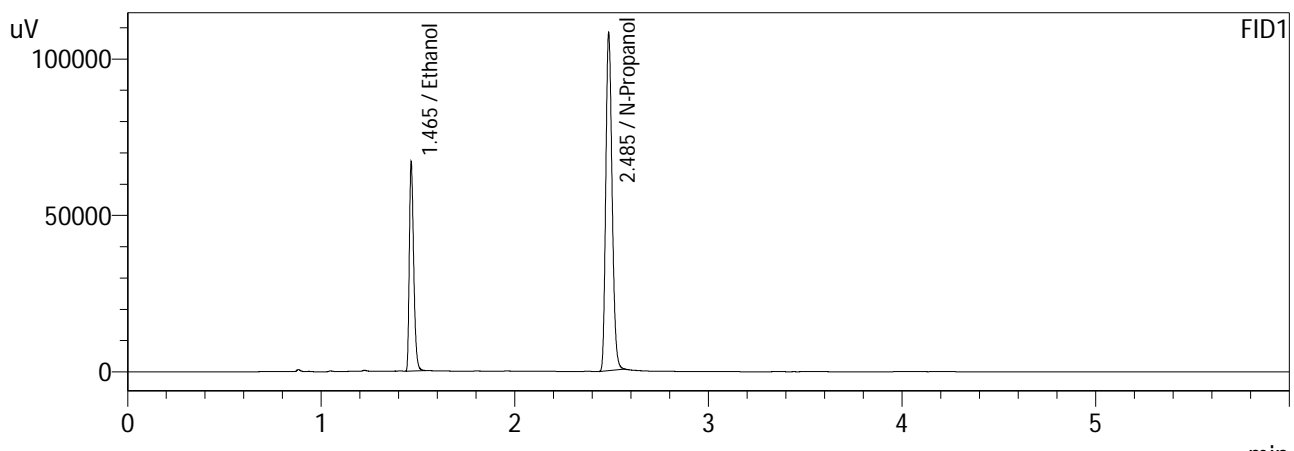
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2065	107042	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	249758	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2020	112062	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	268912	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-2-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 6:27:02 PM
 Vial # : 33
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



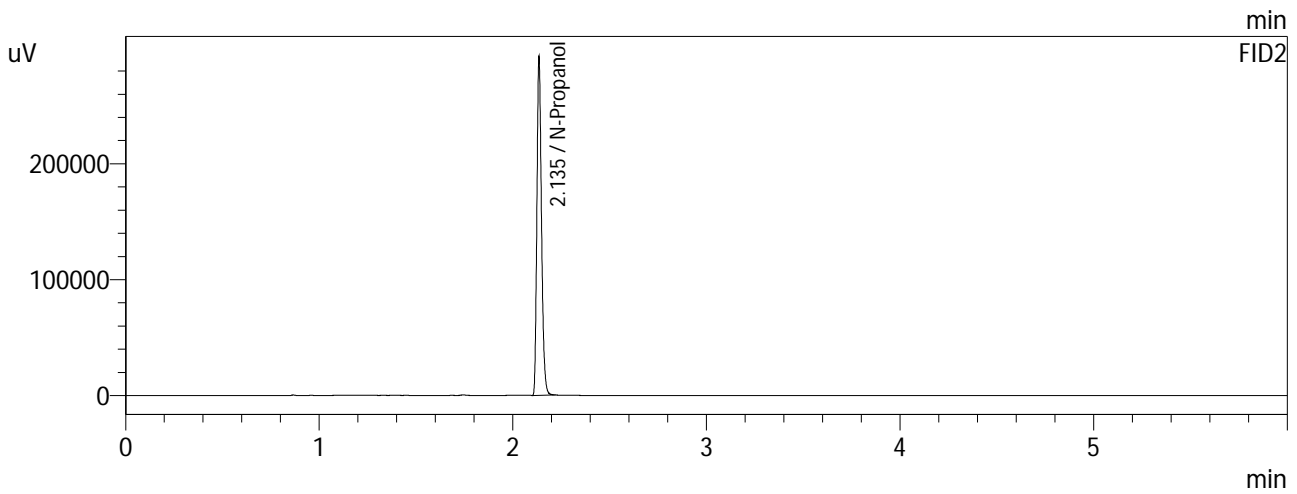
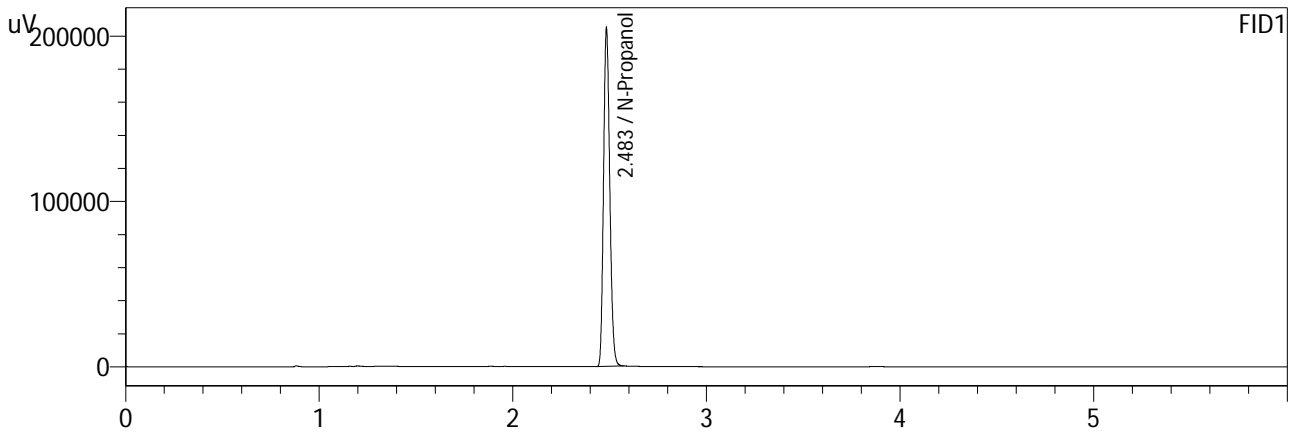
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2048	103959	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	244596	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2004	108888	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	263349	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 1:37:29 PM
 Vial # : 1
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



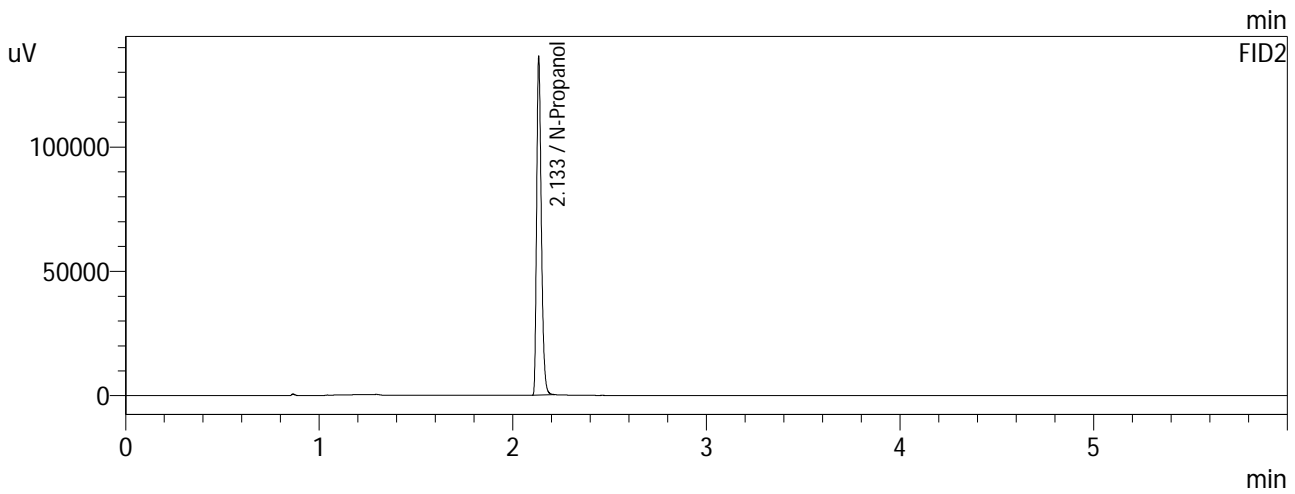
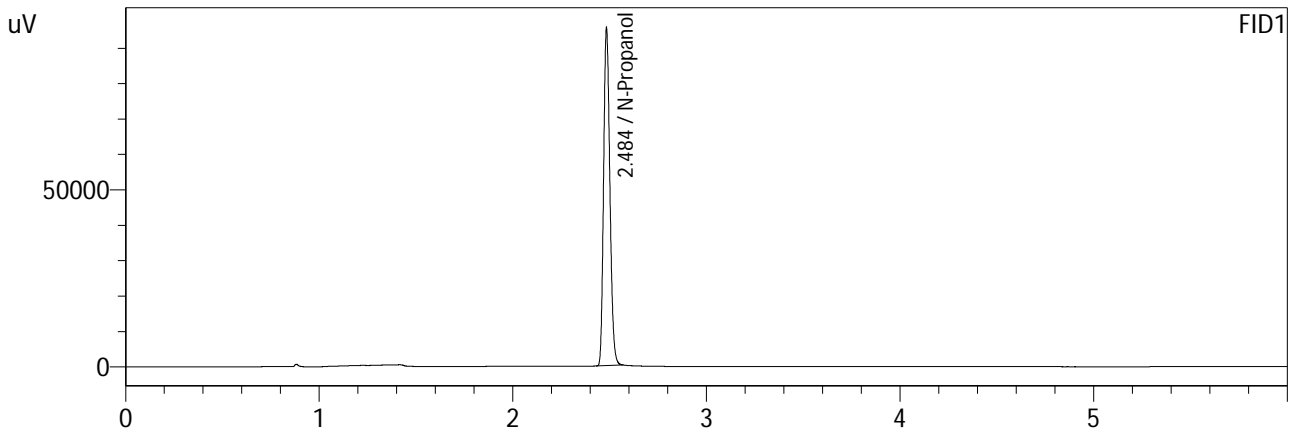
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	456573	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	0.0000	484497	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 2
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 2:31:46 PM
 Vial # : 7
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



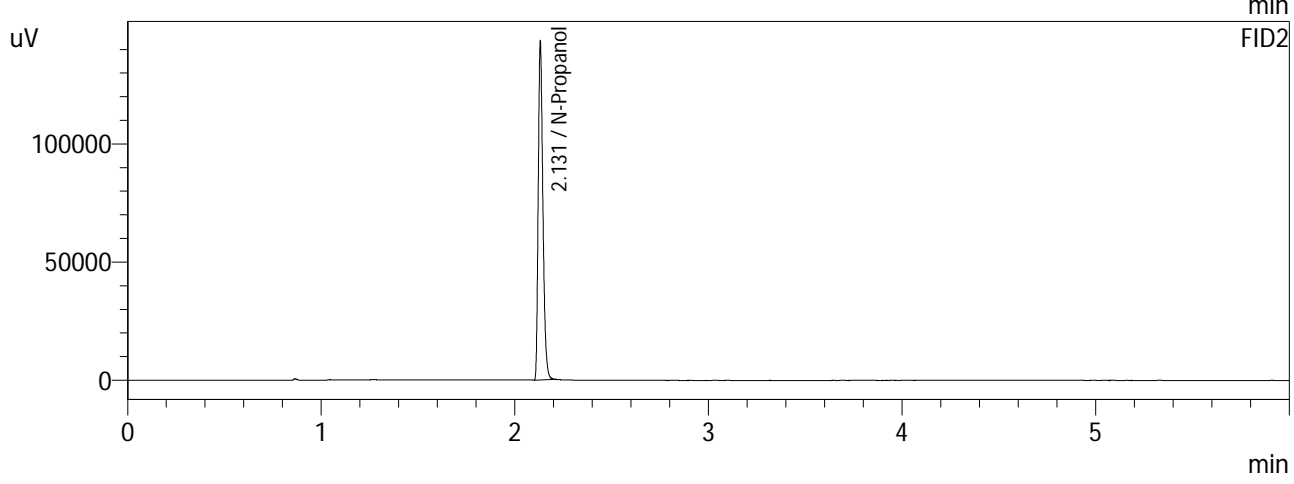
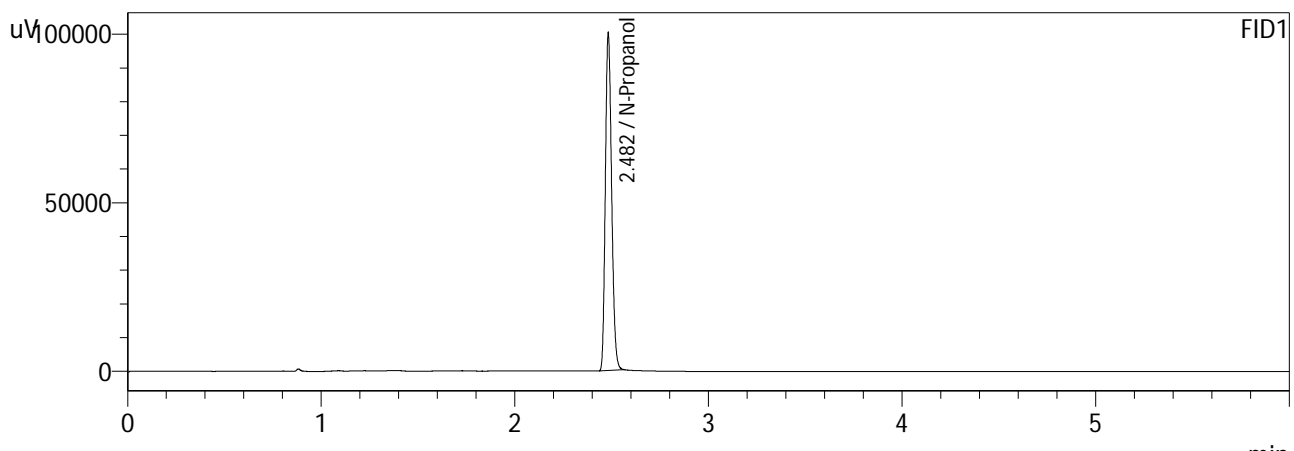
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	214603	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	0.0000	228717	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 3
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 2:49:51 PM
 Vial # : 9
 Method Filename : C:\LabSolutions\Data\10-4-21\ALCOHOL (short).GCM
 Instrument #GC/HS : C12255850700 / C12595700181



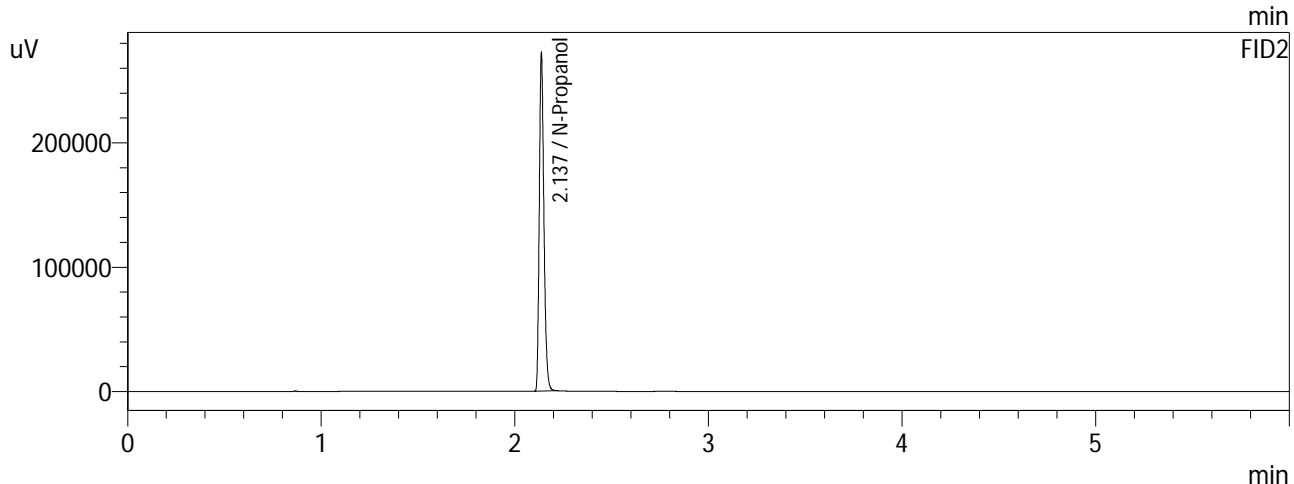
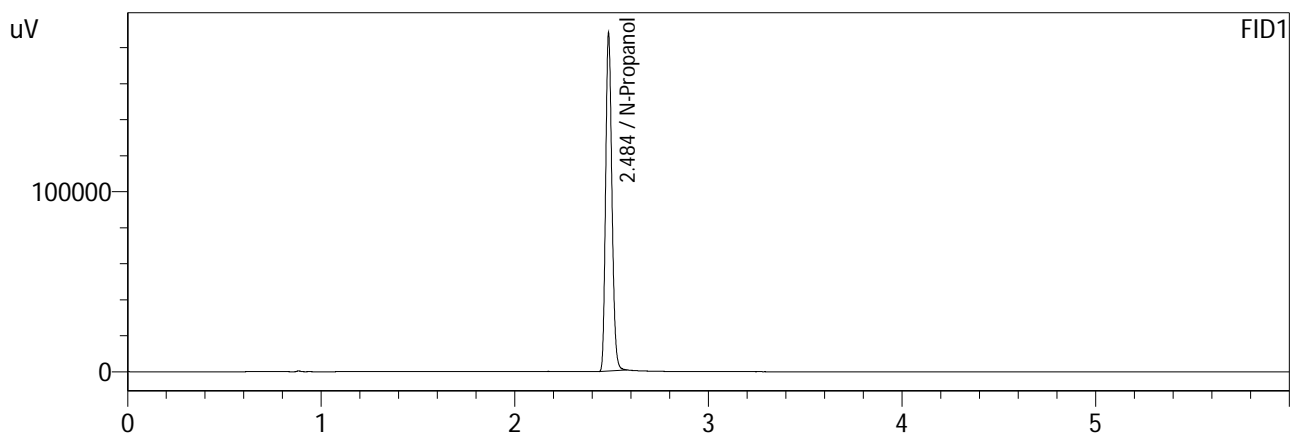
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225211	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	0.0000	240145	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLNK
 Laboratory : Coeur d' Alene Lab
 Injection Date : 10/4/2021 8:43:22 PM
 Vial # : 48
 Method Filename : C:\LabSolutions\Data\10-4-21\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	0.0000	421835	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	0.0000	452656	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc