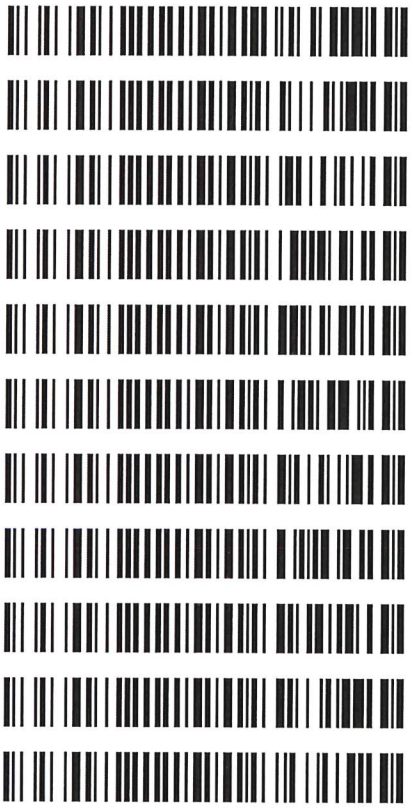
REVIEWED
By Galina Giso at 1:15 pm, Aug 26, 2021

8/23/2021

Worklist: 5192

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2020-2522	1	BCK	Alcohol Analysis
C2021-1780	1	BCK	Alcohol Analysis
C2021-1803	1	BCK	Alcohol Analysis
C2021-1812	1	BCK	Alcohol Analysis
C2021-1817	1	BCK	Alcohol Analysis
C2021-1824	1	BCK	Alcohol Analysis
C2021-1844	1	BCK	Alcohol Analysis
C2021-1864	1	BCK	Alcohol Analysis
C2021-1871	1	BCK	Alcohol Analysis
C2021-1876	1	BCK	Alcohol Analysis
C2021-1884	1	BCK	Alcohol Analysis



Region 1 CDA Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C1225850700
Shimadzu HS-20 Serial #C12595700181
Lab Solutions Software Ver. 5.99

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-2-1-A	0:Unknown	0	ALCOHOL (short).GCM
11	QC-2-1-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	C2020-2522-A	0:Unknown	0	ALCOHOL (short).GCM
15	C2020-2522-B	0:Unknown	0	ALCOHOL (short).GCM
16	C2021-1780-A	0:Unknown	0	ALCOHOL (short).GCM
17	C2021-1780-B	0:Unknown	0	ALCOHOL (short).GCM
18	C2021-1803-A	0:Unknown	0	ALCOHOL (short).GCM
19	C2021-1803-B	0:Unknown	0	ALCOHOL (short).GCM
20	C2021-1812-A	0:Unknown	0	ALCOHOL (short).GCM
21	C2021-1812-B	0:Unknown	0	ALCOHOL (short).GCM
22	C2021-1817-A	0:Unknown	0	ALCOHOL (short).GCM
23	C2021-1817-B	0:Unknown	0	ALCOHOL (short).GCM
24	C2021-1824-A	0:Unknown	0	ALCOHOL (short).GCM
25	C2021-1824-B	0:Unknown	0	ALCOHOL (short).GCM
26	C2021-1844-A	0:Unknown	0	ALCOHOL (short).GCM
27	C2021-1844-B	0:Unknown	0	ALCOHOL (short).GCM
28	C2021-1864-A	0:Unknown	0	ALCOHOL (short).GCM
29	C2021-1864-B	0:Unknown	0	ALCOHOL (short).GCM
30	C2021-1871-A	0:Unknown	0	ALCOHOL (short).GCM
31	C2021-1871-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	C2021-1876-A	0:Unknown	0	ALCOHOL (short).GCM
35	C2021-1876-B	0:Unknown	0	ALCOHOL (short).GCM
36	C2021-1884-A	0:Unknown	0	ALCOHOL (short).GCM
37	C2021-1884-B	0:Unknown	0	ALCOHOL (short).GCM
38	QC1-1-A	0:Unknown	0	ALCOHOL (short).GCM
39	QC1-1-B	0:Unknown	0	ALCOHOL (short).GCM
40	INT STD BLNK	0:Unknown	0	ALCOHOL (short).GCM

8/26/21

This batch file (Worklist #5192) was recreated and item numbers were added to each case item in the batch run. A new batch file is attached in this electronic data packet.

Region 1 CDA Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C1225850700
Shimadzu HS-20 Serial #C12595700181
Lab Solutions Software Ver. 5.99

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-2-1-A	0:Unknown	0	ALCOHOL (short).GCM
11	QC-2-1-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	C2020-2522-1-A	0:Unknown	0	ALCOHOL (short).GCM
15	C2020-2522-1-B	0:Unknown	0	ALCOHOL (short).GCM
16	C2021-1780-1-A	0:Unknown	0	ALCOHOL (short).GCM
17	C2021-1780-1-B	0:Unknown	0	ALCOHOL (short).GCM
18	C2021-1803-1-A	0:Unknown	0	ALCOHOL (short).GCM
19	C2021-1803-1-B	0:Unknown	0	ALCOHOL (short).GCM
20	C2021-1812-1-A	0:Unknown	0	ALCOHOL (short).GCM
21	C2021-1812-1-B	0:Unknown	0	ALCOHOL (short).GCM
22	C2021-1817-1-A	0:Unknown	0	ALCOHOL (short).GCM
23	C2021-1817-1-B	0:Unknown	0	ALCOHOL (short).GCM
24	C2021-1824-1-A	0:Unknown	0	ALCOHOL (short).GCM
25	C2021-1824-1-B	0:Unknown	0	ALCOHOL (short).GCM
26	C2021-1844-1-A	0:Unknown	0	ALCOHOL (short).GCM
27	C2021-1844-1-B	0:Unknown	0	ALCOHOL (short).GCM
28	C2021-1864-1-A	0:Unknown	0	ALCOHOL (short).GCM
29	C2021-1864-1-B	0:Unknown	0	ALCOHOL (short).GCM
30	C2021-1871-1-A	0:Unknown	0	ALCOHOL (short).GCM
31	C2021-1871-1-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	C2021-1876-1-A	0:Unknown	0	ALCOHOL (short).GCM
35	C2021-1876-1-B	0:Unknown	0	ALCOHOL (short).GCM
36	C2021-1884-1-A	0:Unknown	0	ALCOHOL (short).GCM
37	C2021-1884-1-B	0:Unknown	0	ALCOHOL (short).GCM
38	QC1-1-A	0:Unknown	0	ALCOHOL (short).GCM
39	QC1-1-B	0:Unknown	0	ALCOHOL (short).GCM
40	INT STD BLNK	0:Unknown	0	ALCOHOL (short).GCM

Jeremy Fosholt 8/26/21 New batch table for worklist #5192 to replace previous worklist that does not contain the unique item numbers for each case item.

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):8-24-2021**

worklist #5192

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0768 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1956 g/100cc
					0.2003 g/100cc
					g/100cc

Multi-Component mixture:	Jul-22	Lot #	FN07101701	OK
Curve Fit:	**Column 1**	0.99986	**Column2**	0.99968

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0470	0.0463	0.0007	0.0466
100	0.100	0.090 - 0.110	0.0955	0.0941	0.0014	0.0948
200	0.200	0.180 - 0.220	0.1960	0.1941	0.0019	0.195
300	0.300	0.270 - 0.330	0.2965	0.2951	0.0014	0.2958
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5048	0.5068	0.002	0.5058

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.078 g/100cc

Revision: 2
Issue Date: 12/23/2019
Issuing Authority: Quality Manager

Calibration Table

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

<<Data File>>
Method File :C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Batch File :C:\LabSolutions\Data\8-24-21\8-24-21 batch.gcb
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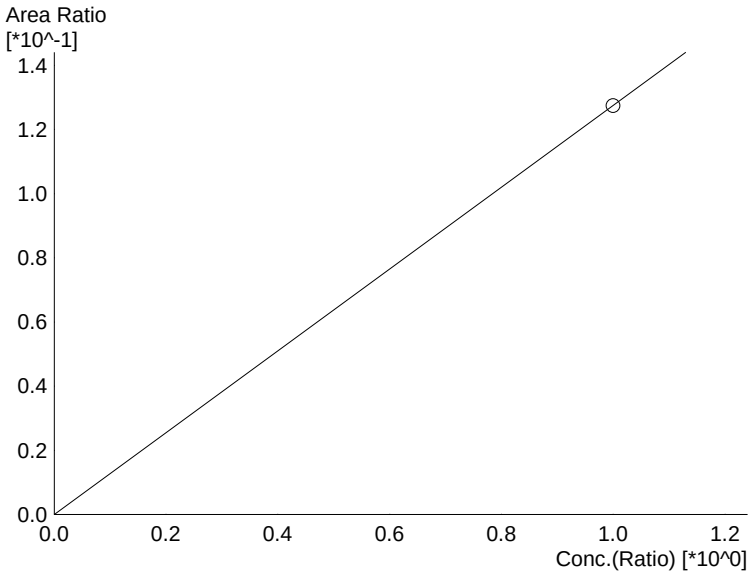
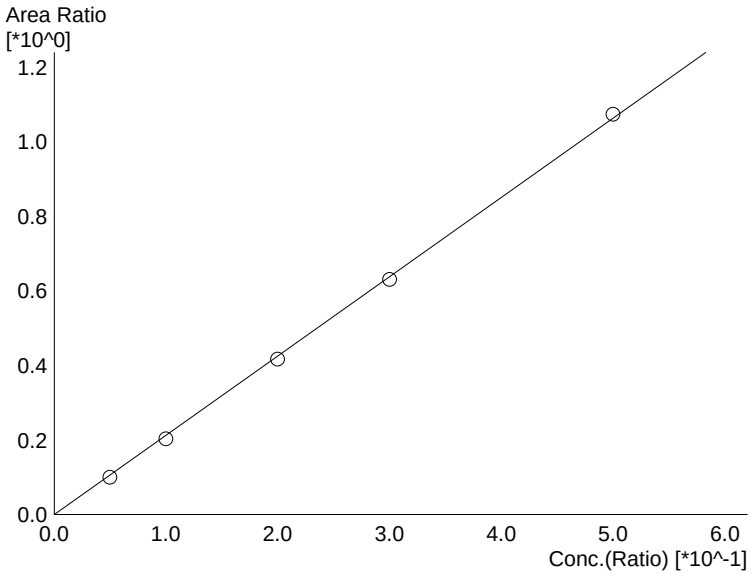
Date Created :8/24/2021 2:01:49 PM
Date Modified :8/25/2021 7:38:52 AM



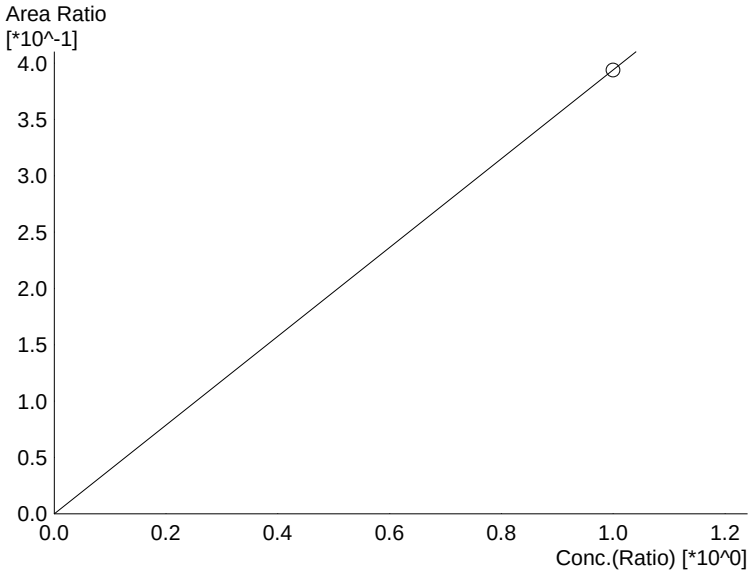
Name : Methanol
Detector Name: FID1
Function : f(x)=0.127433*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.
6	1.000	30284	1.0000



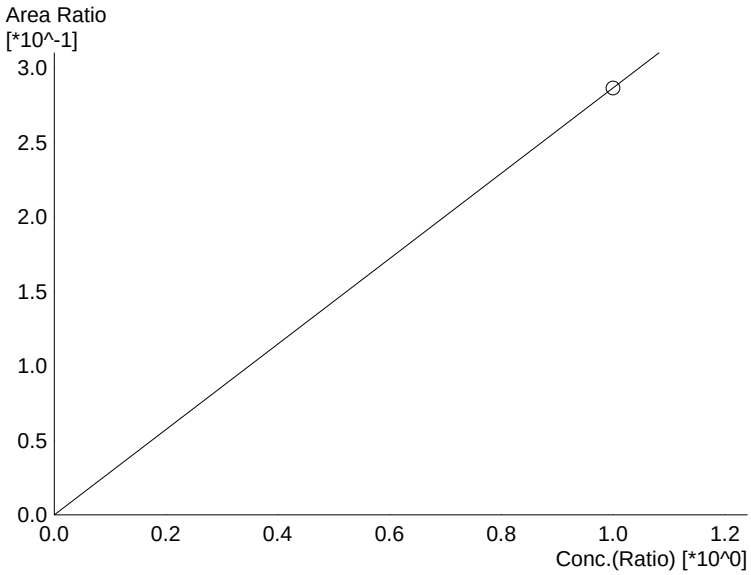
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.12726*x+0
R^2 value= 0.9998601
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.
1	0.050	20758	0.0470
2	0.100	43462	0.0955
3	0.200	89928	0.1960
4	0.300	141970	0.2965
5	0.500	235012	0.5048



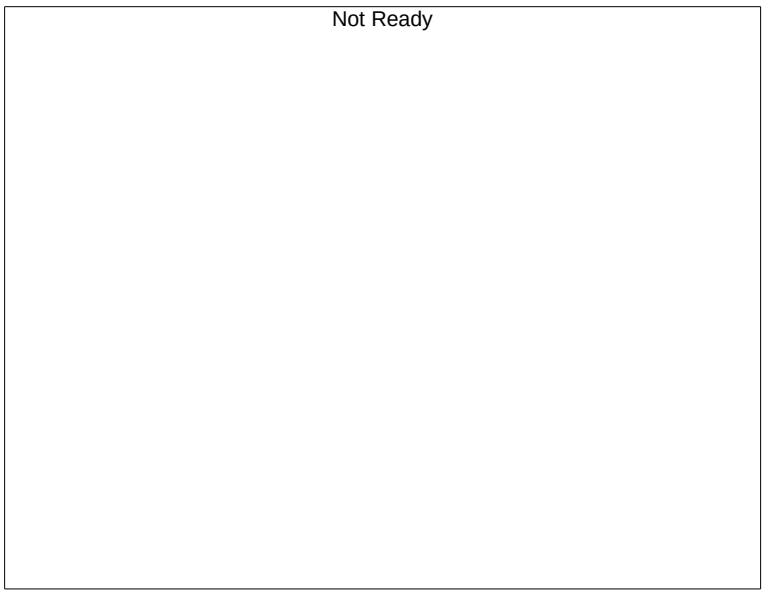
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0.393794*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.
6	1.000	93584	1.0000



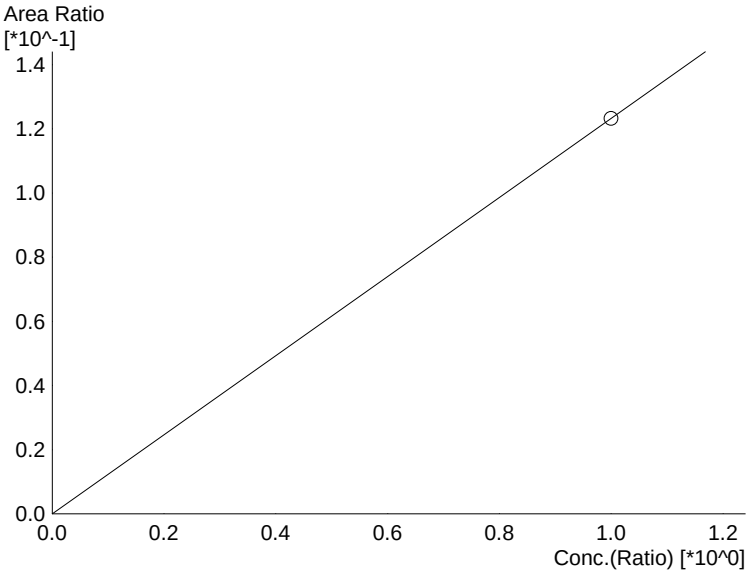
Name : Acetone
Detector Name: FID1
Function : f(x)=0.286358*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.
6	1.000	68052	1.0000



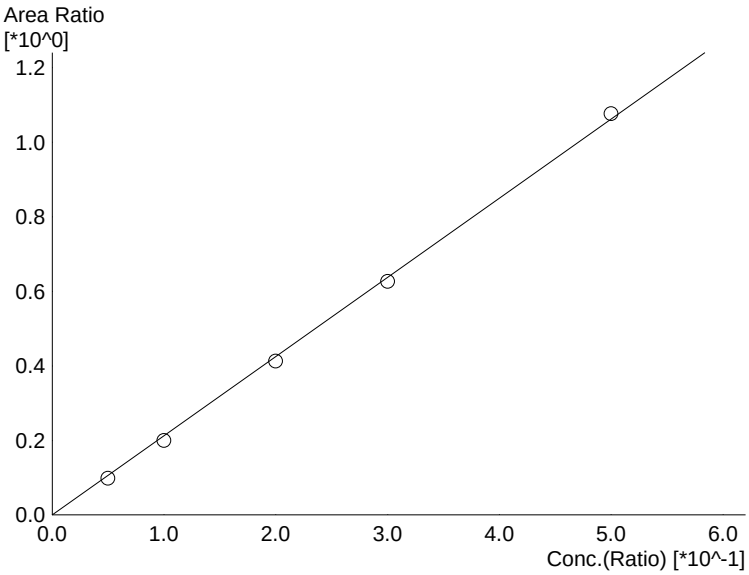
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.



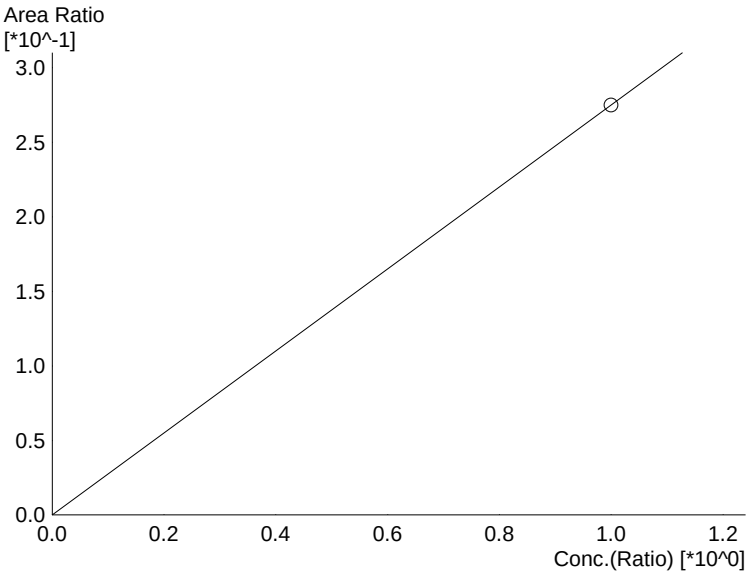
Name : Methanol
Detector Name: FID2
Function : f(x)=0.123234*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.
6	1.000	30743	1.0000



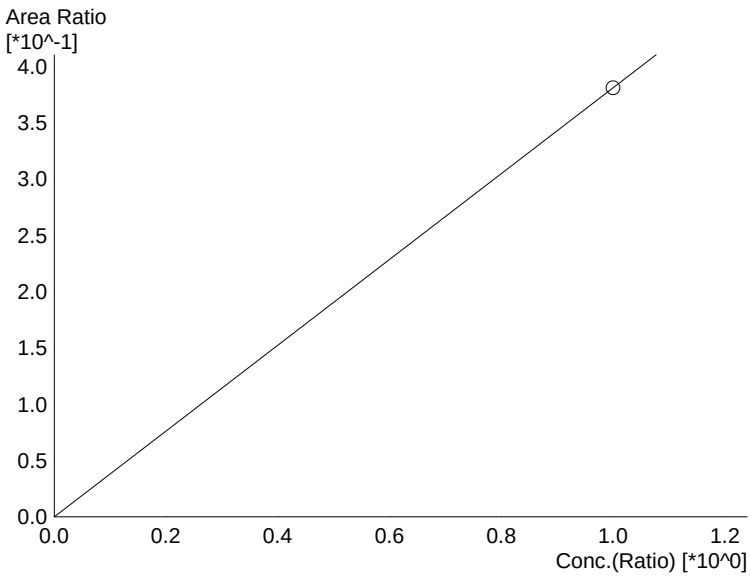
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.12378*x+0
R^2 value= 0.9996891
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.
1	0.050	21489	0.0463
2	0.100	45011	0.0941
3	0.200	93128	0.1941
4	0.300	147480	0.2951
5	0.500	245284	0.5068



Name : Acetone
Detector Name: FID2
Function : f(x)=0.274928*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.
6	1.000	68587	1.0000



Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0.380565*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Through

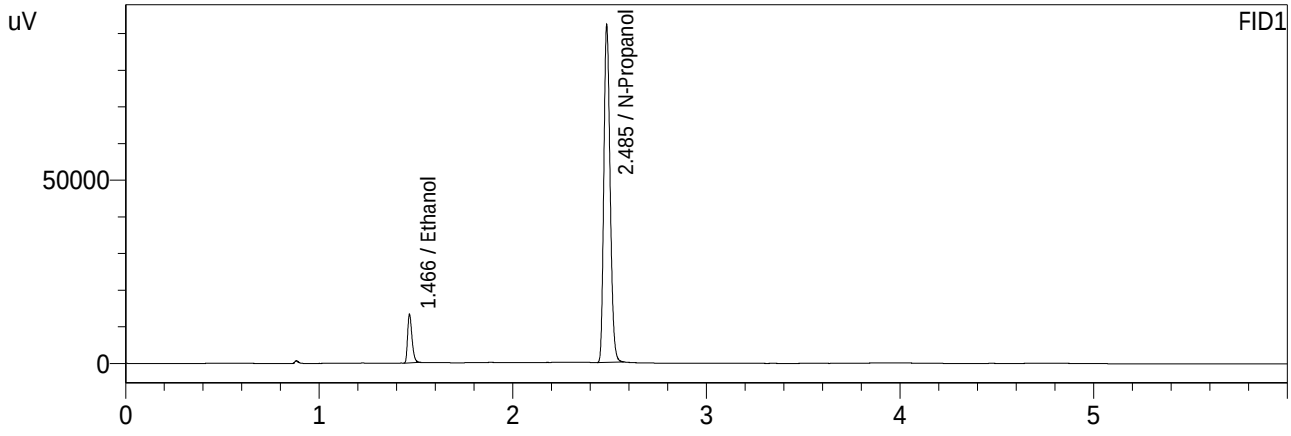
#	Conc.	Area	Std. Conc.
6	1.000	94940	1.0000

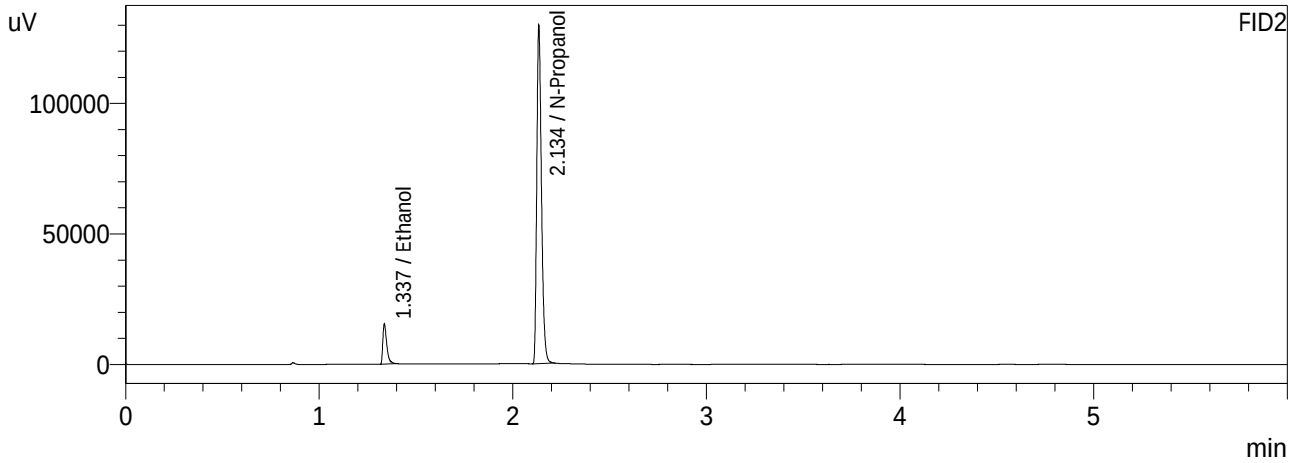
Not Ready

Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.

Sample Name : 0.050
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 1:28:31 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





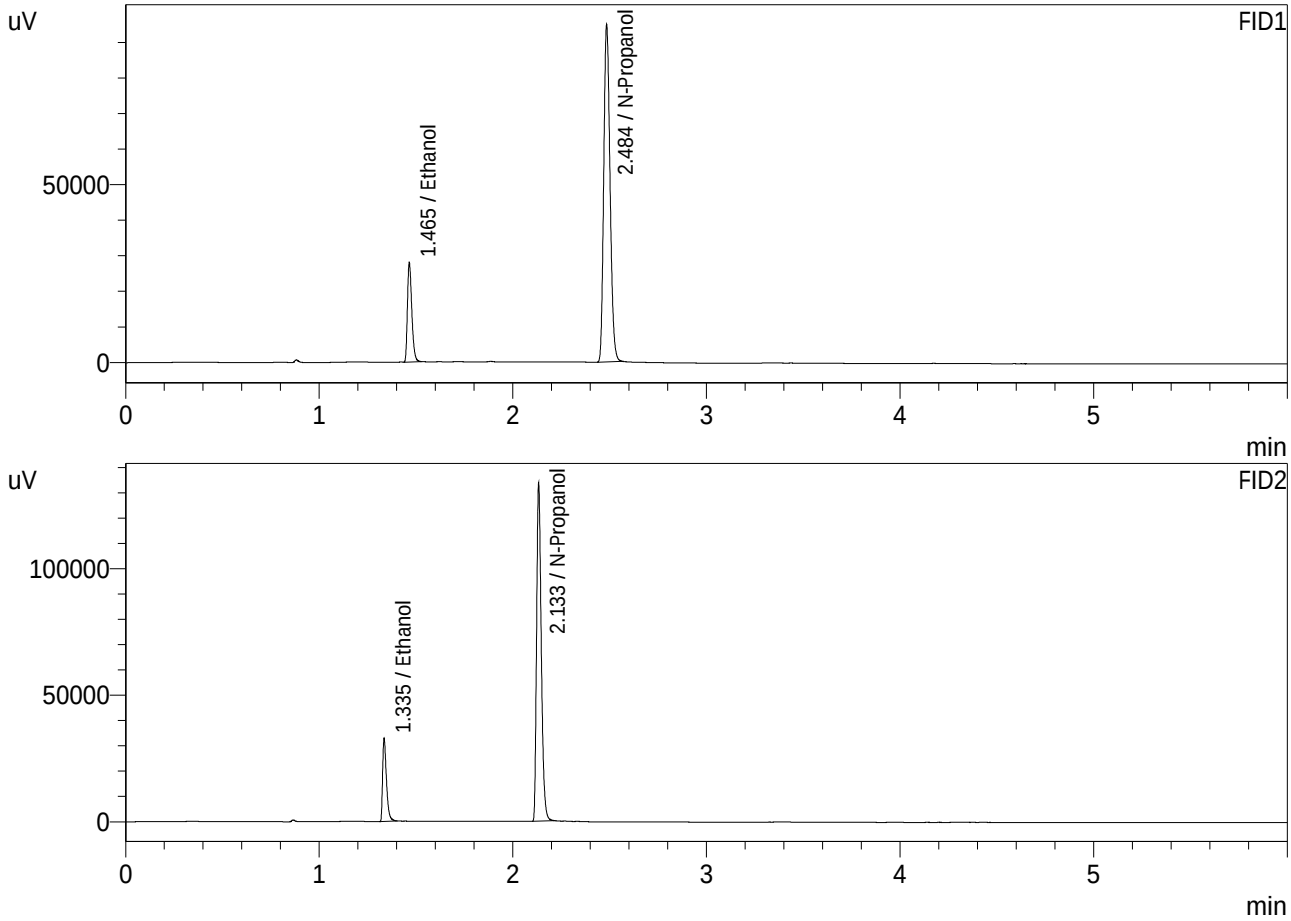
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0470	20758	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207340	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0463	21489	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218268	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 1:37:34 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



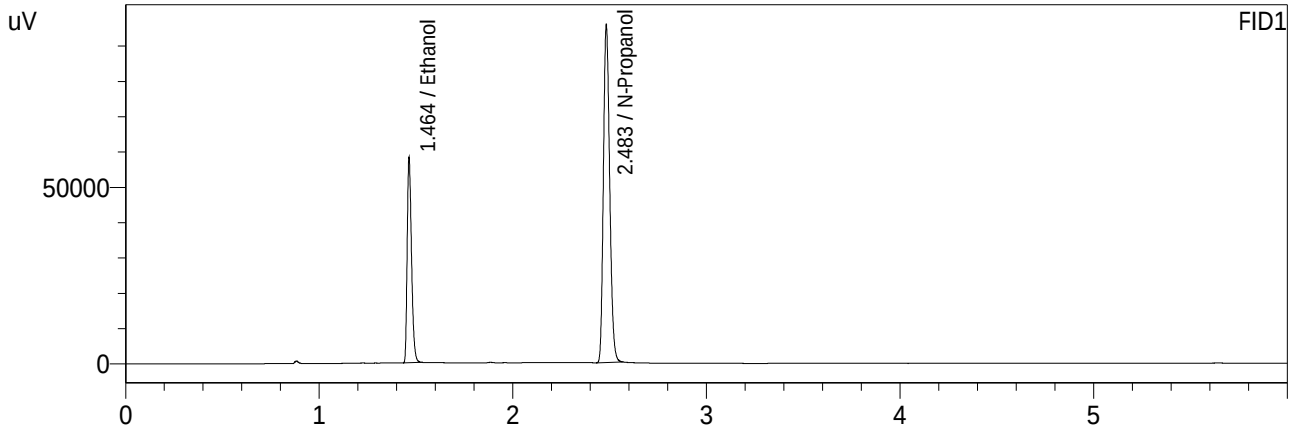
FID1

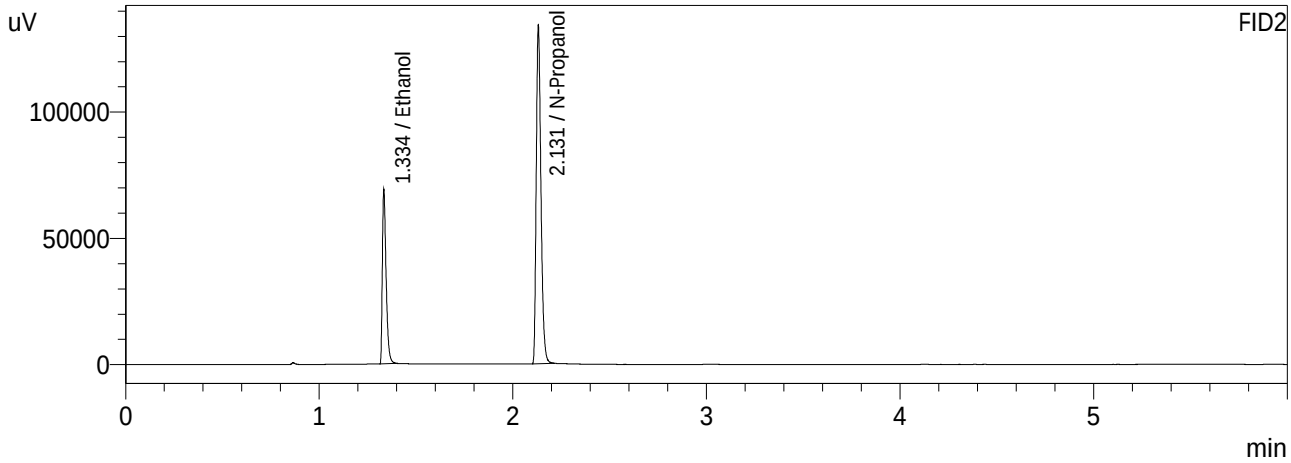
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0955	43462	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213876	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0941	45011	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225064	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 1:46:38 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





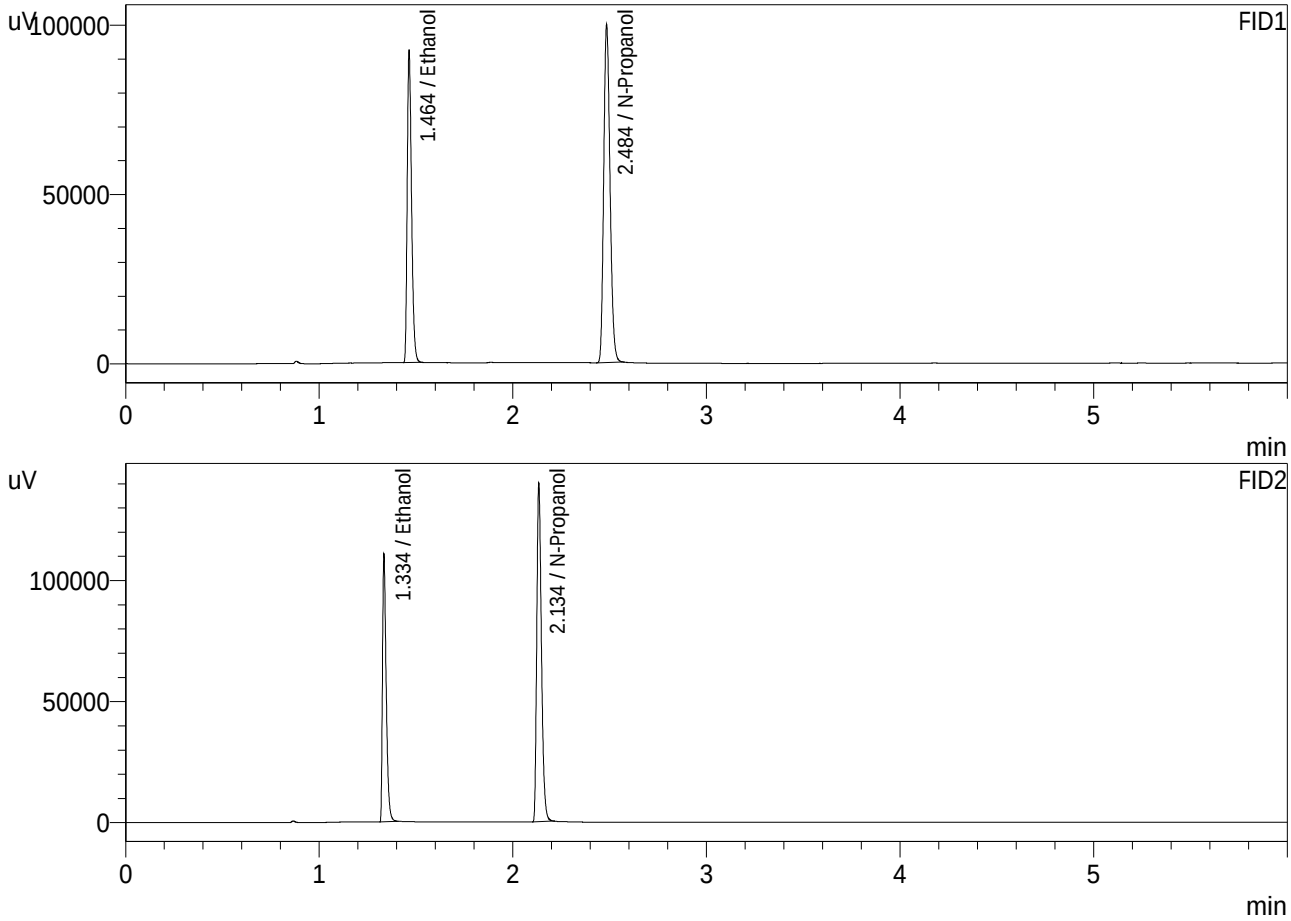
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1960	89928	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	215619	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1941	93128	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225896	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 1:55:40 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



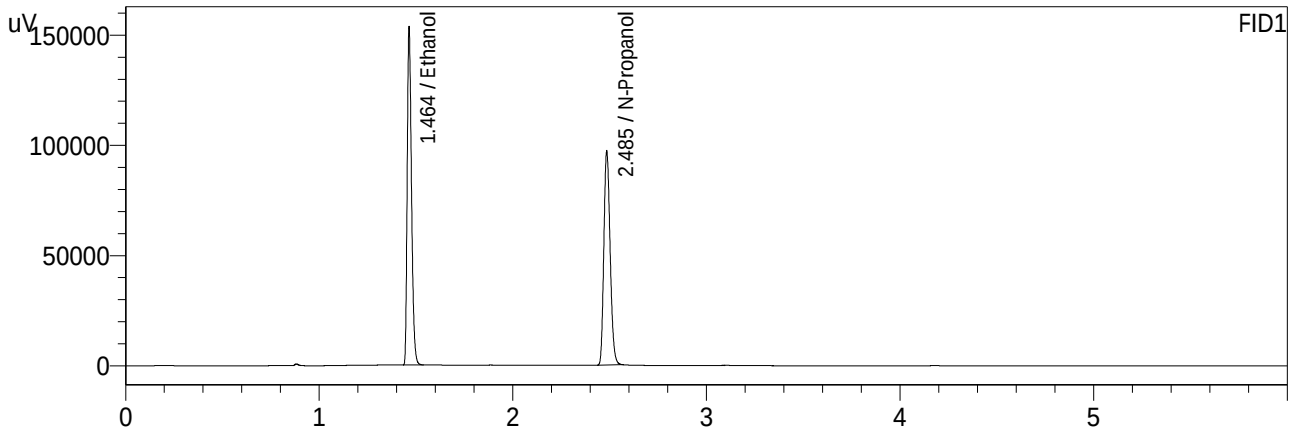
FID1

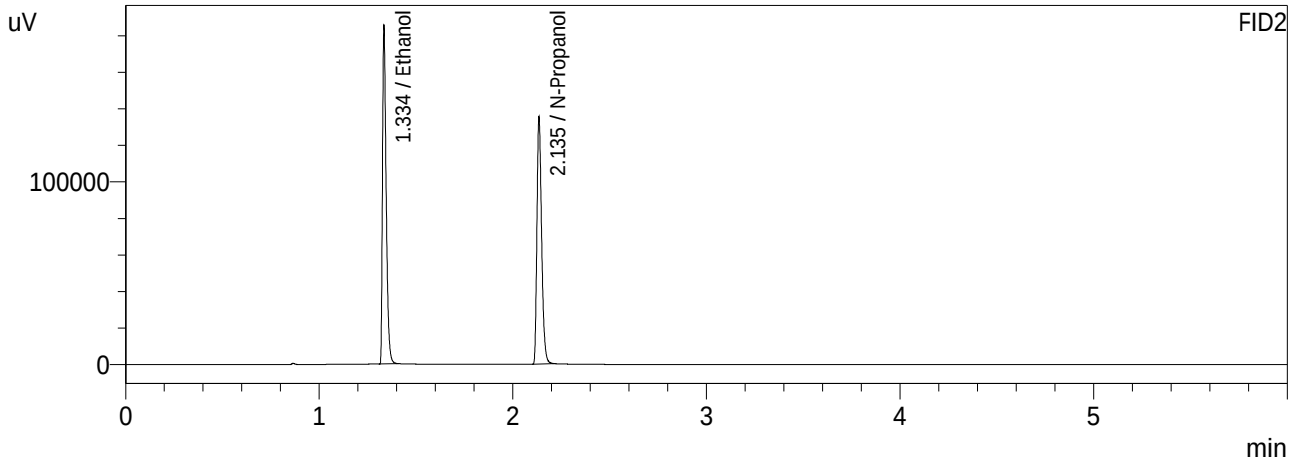
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2965	141970	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225052	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2951	147480	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	235316	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 2:04:42 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





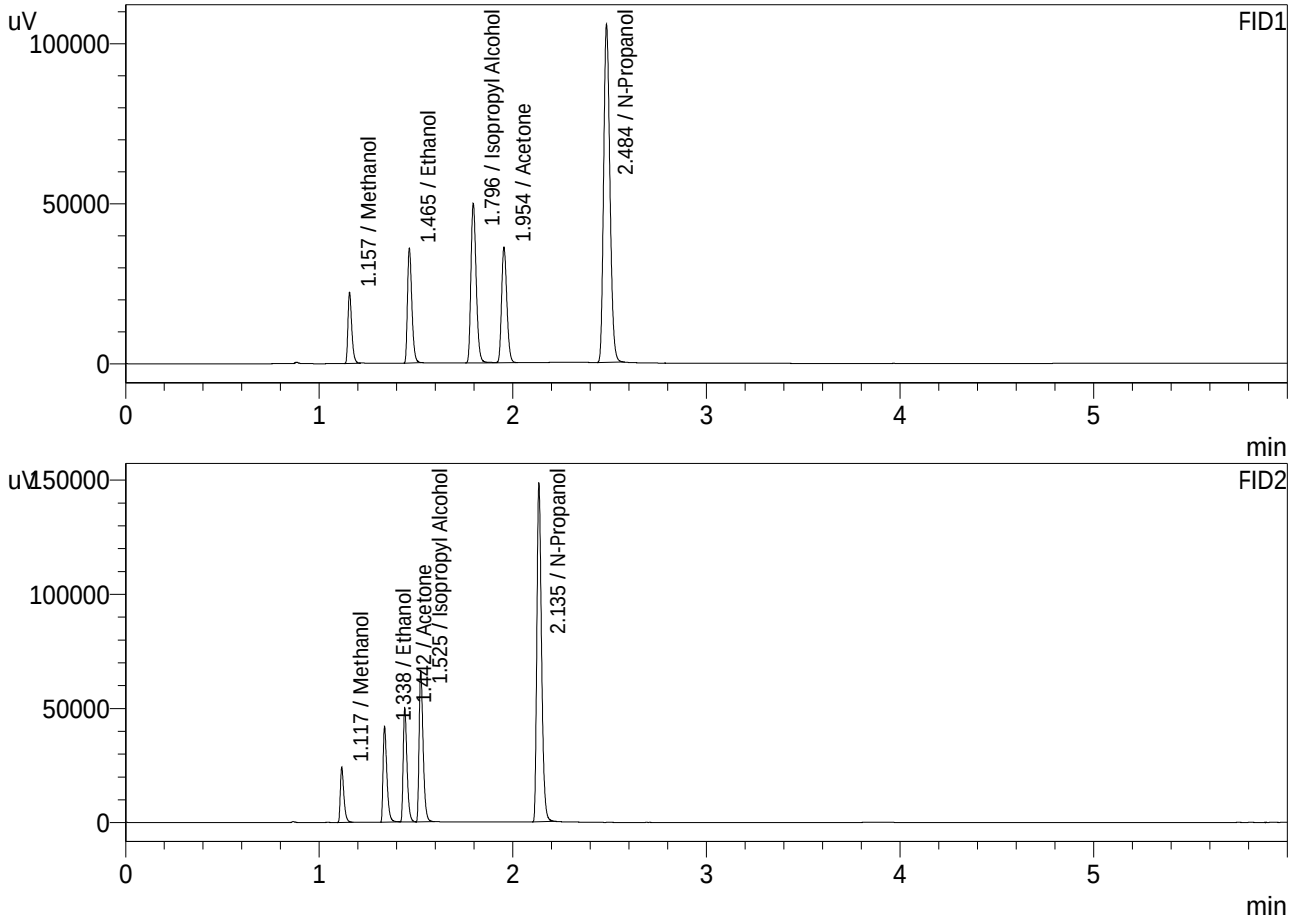
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5048	235012	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218837	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5068	245284	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227878	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MULTI-COMP MIX
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 2:22:48 PM
Vial # : 8
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



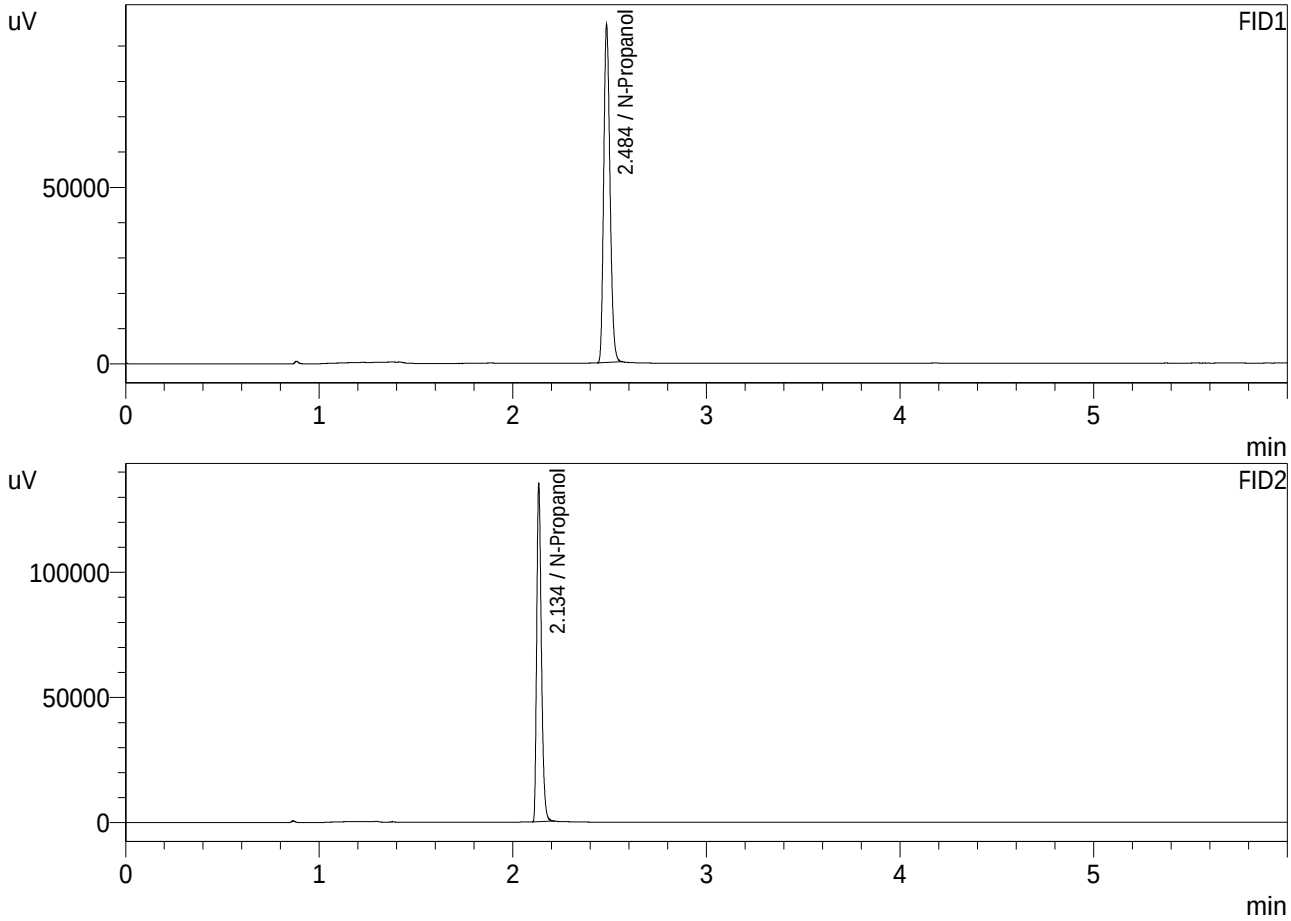
FID1

Name	Conc.	Area	Unit
Methanol	1.0000	30284	g/100cc
Ethanol	0.1106	55951	g/100cc
Isopropyl Alcohol	1.0000	93584	g/100cc
Acetone	1.0000	68052	g/100cc
N-Propanol	0.0000	237648	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	1.0000	30743	g/100cc
Ethanol	0.1085	57525	g/100cc
Acetone	1.0000	68587	g/100cc
Isopropyl Alcohol	1.0000	94940	g/100cc
N-Propanol	0.0000	249471	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 1:19:29 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



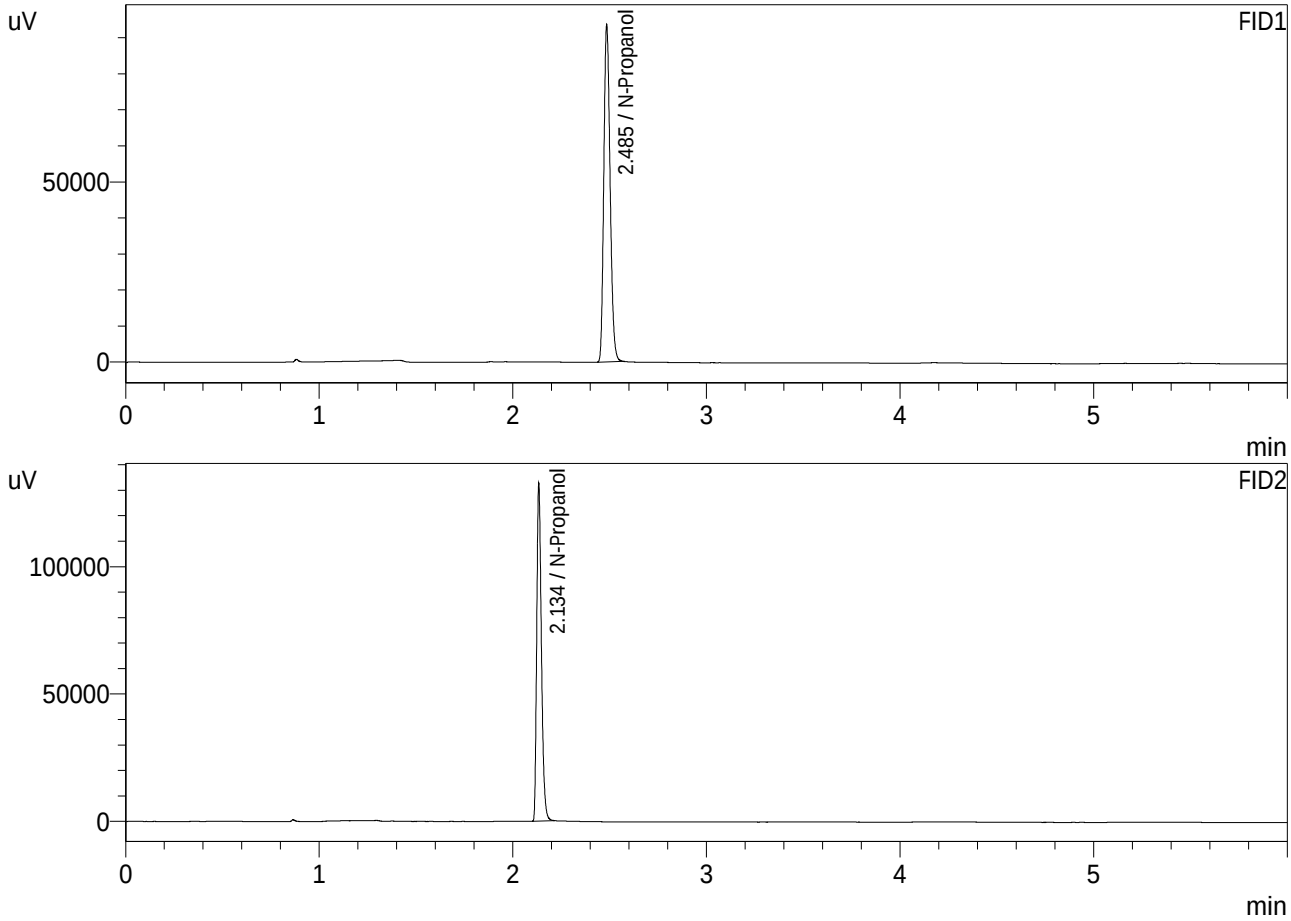
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	215082	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	227747	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 2
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 2:13:46 PM
Vial # : 7
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



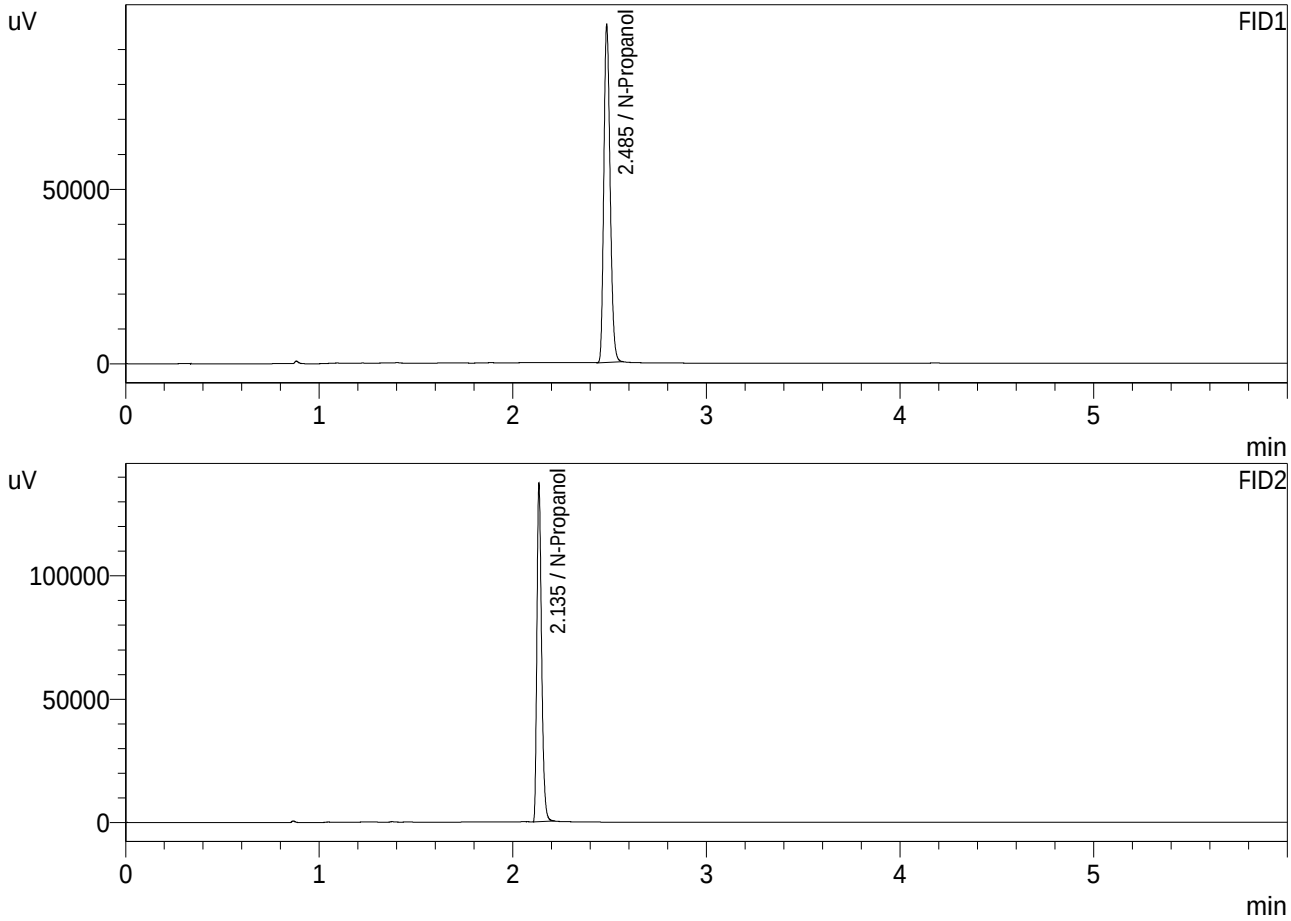
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211117	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	223450	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 3
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 2:31:51 PM
Vial # : 9
Method Filename : C:\LabSolutions\Data\8-24-21\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	217534	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	230596	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Analysis Date(s): 8-24-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0789	0.0775	0.0014	0.0782	0.0004	0.0780
(g/100cc)	0.0786	0.0770	0.0016	0.0778		

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%**

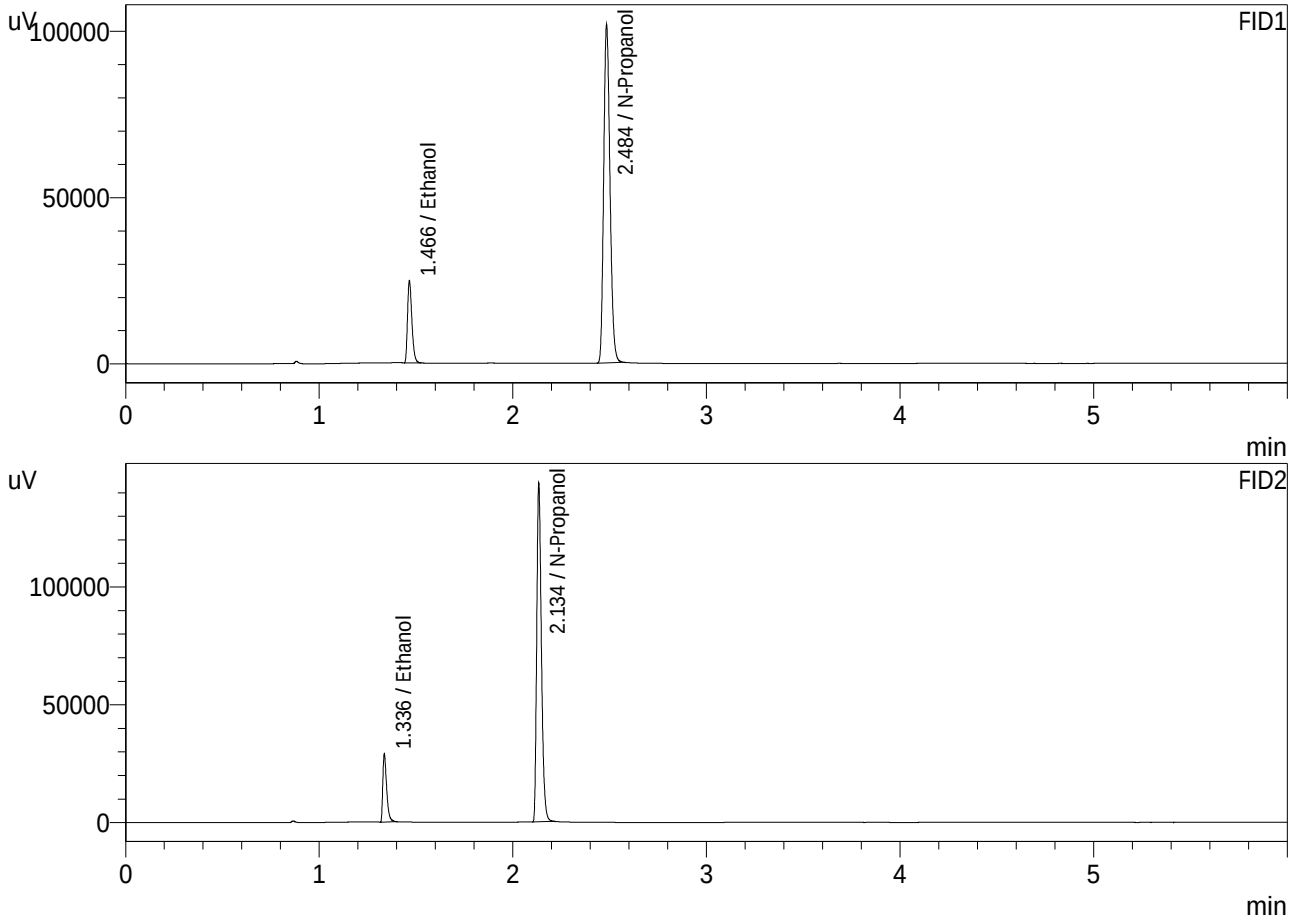
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

Reported Result

0.078

Calibration and control data are stored centrally.

Sample Name : 0.08 QA - A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 2:59:00 PM
Vial # : 12
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



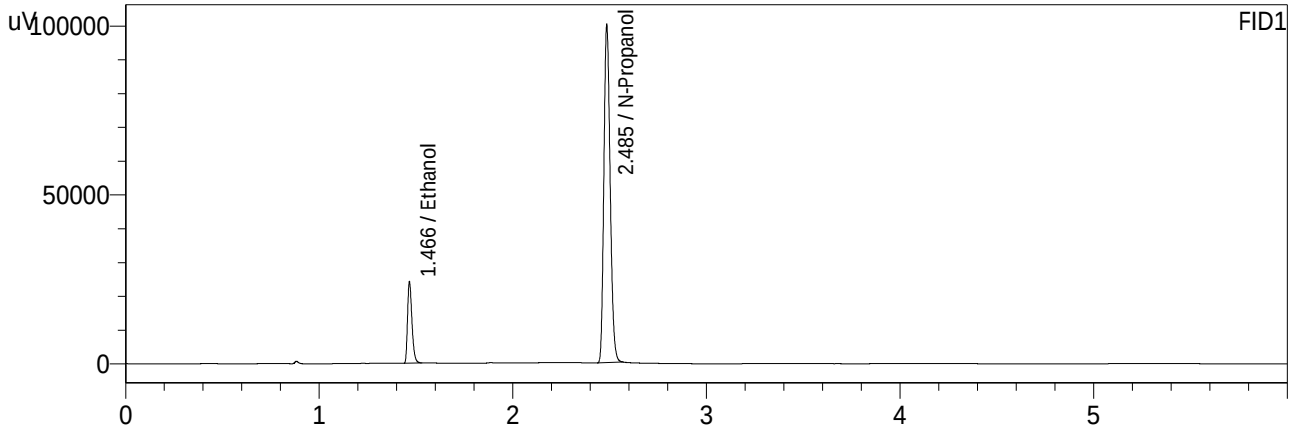
FID1

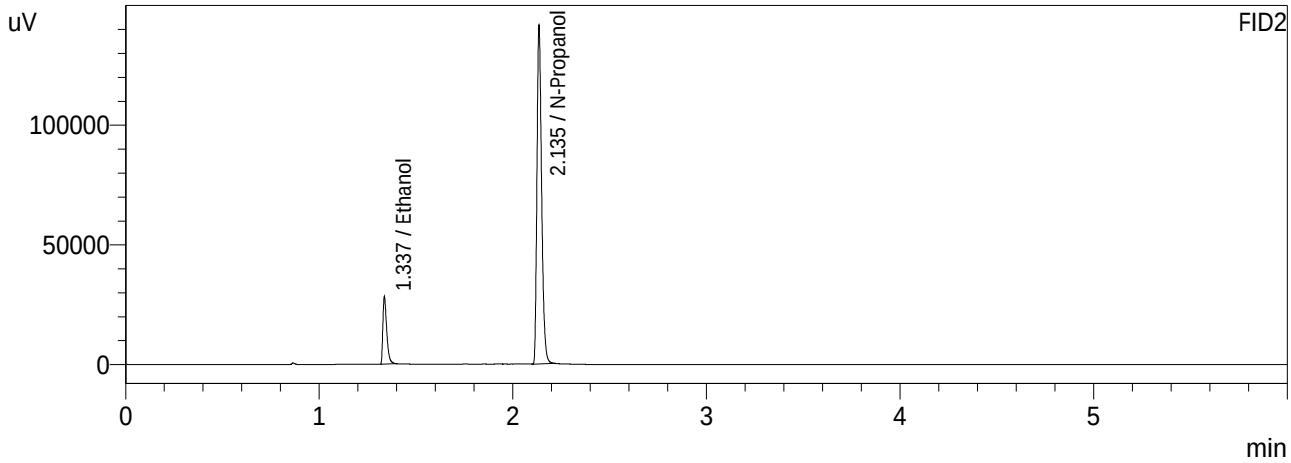
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	38497	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	229172	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0775	39748	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	241480	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA - B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 3:08:02 PM
Vial # : 13
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0786	37714	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225464	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0770	38941	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	238031	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 8-24-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1975	0.1946	0.0029	0.1960	0.0008	0.1956
(g/100cc)	0.1964	0.1940	0.0024	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%**

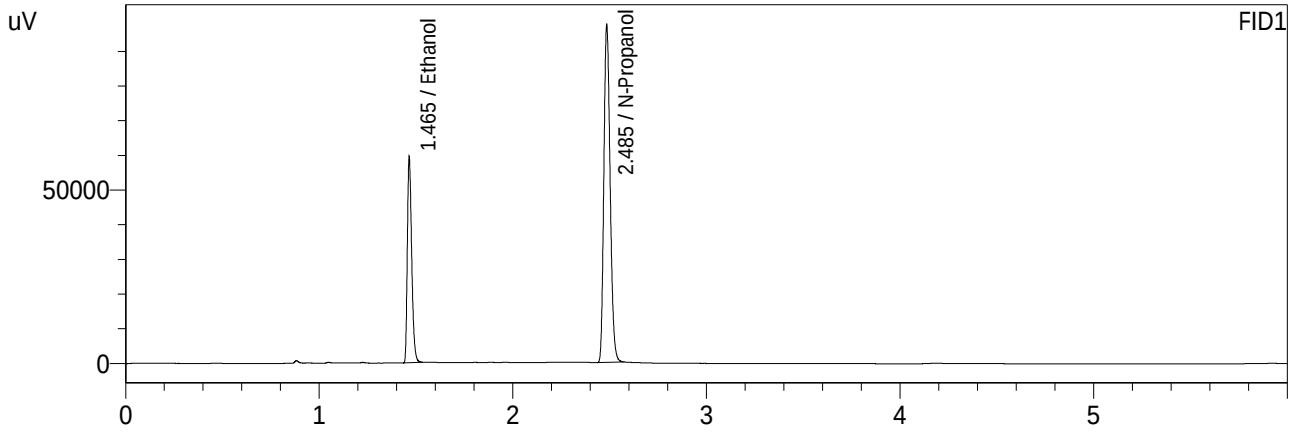
Overall Mean (g/100cc)	Low	High	5% of Mean
0.195	**0.185**	**0.205**	**0.010**

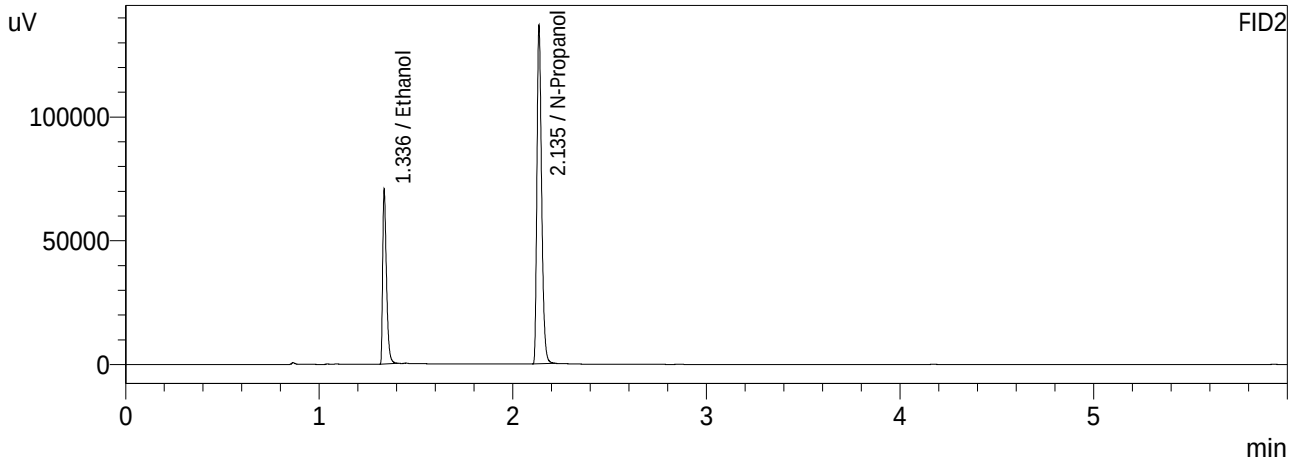
Reported Result

0.195

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 2:40:54 PM
Vial # : 10
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





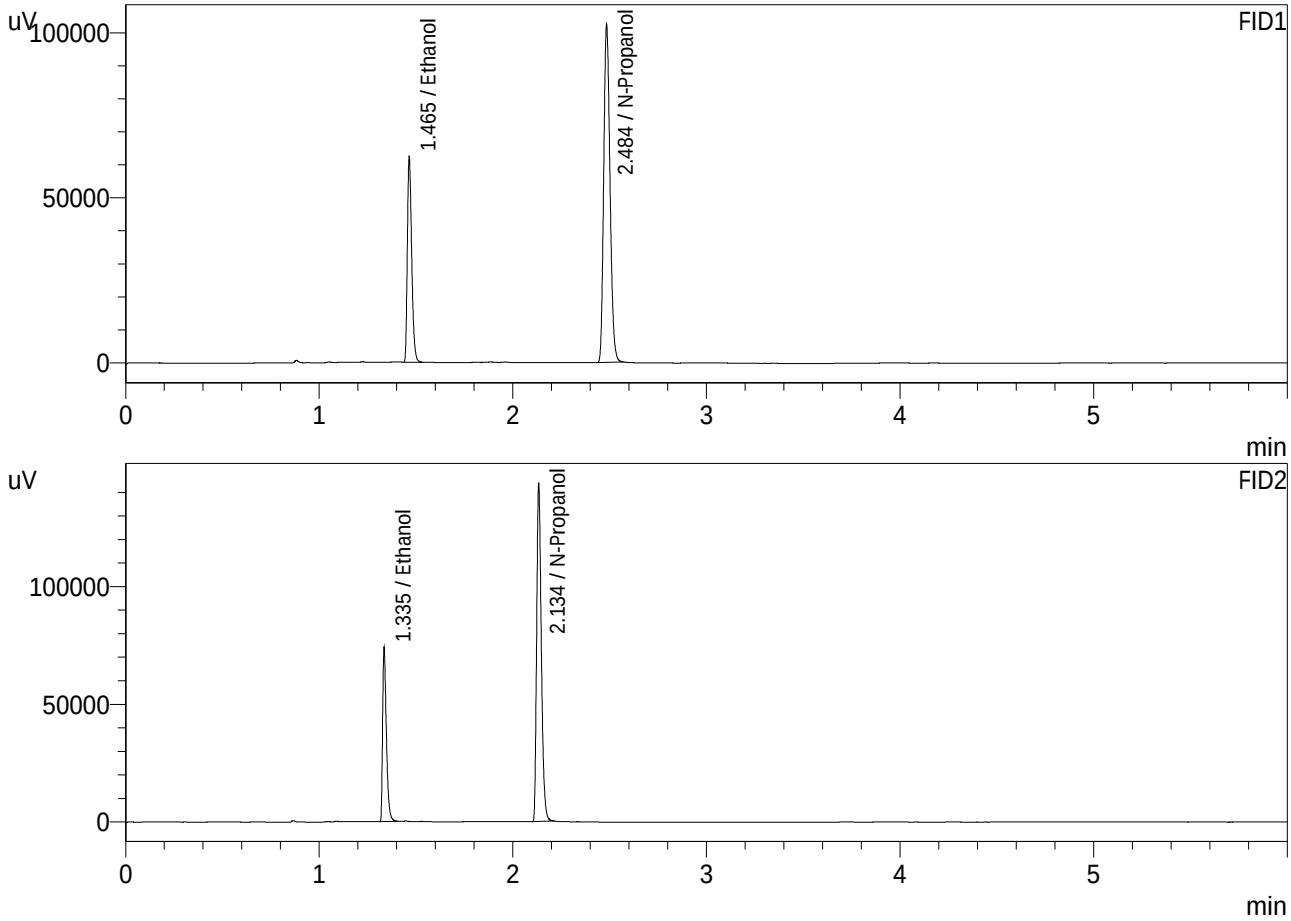
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1975	92188	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219329	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1946	95329	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	230609	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 2:49:57 PM
Vial # : 11
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1964	96323	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230488	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1940	99553	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	241613	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 8-24-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2023	0.1996	0.0027	0.2009	0.0012	0.2003
(g/100cc)	0.2011	0.1984	0.0027	0.1997		

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

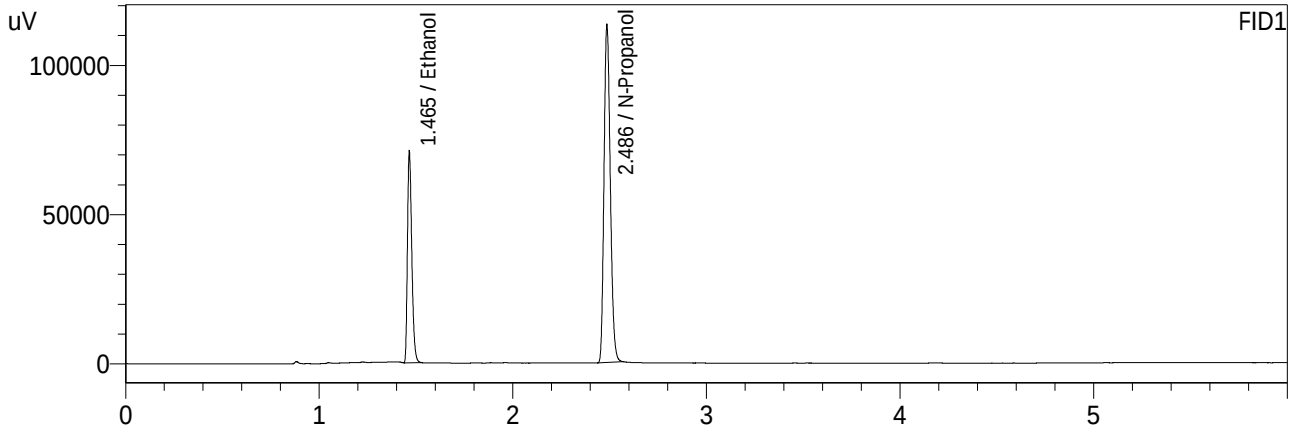
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

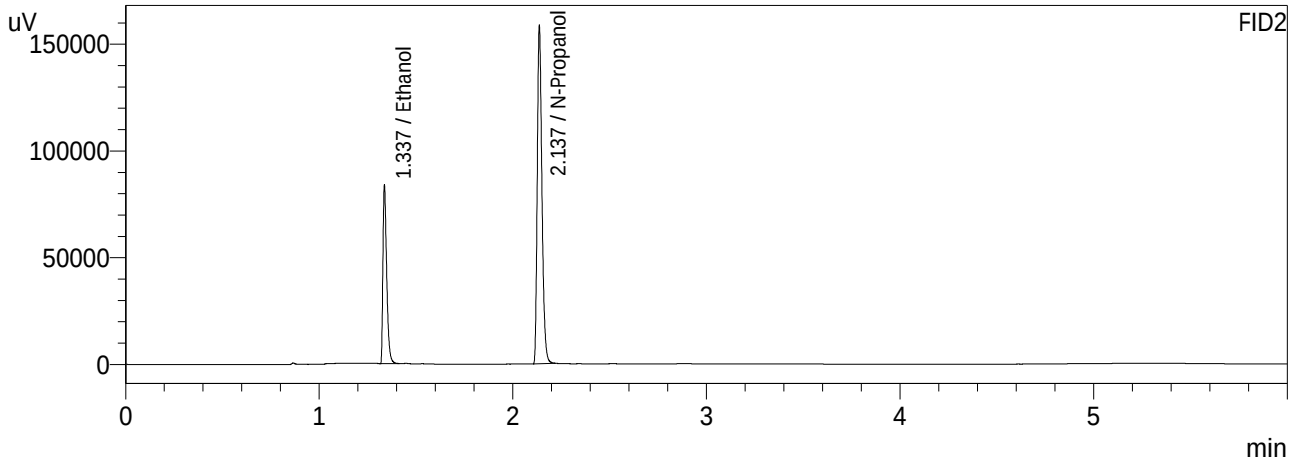
Overall Mean (g/100cc)	Low	High	5% of Mean
0.200	**0.190**	**0.210**	**0.010**

	Reported Result	
	0.200	

Calibration and control data are stored centrally.

Sample Name : QC-2-2-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 5:59:56 PM
Vial # : 32
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





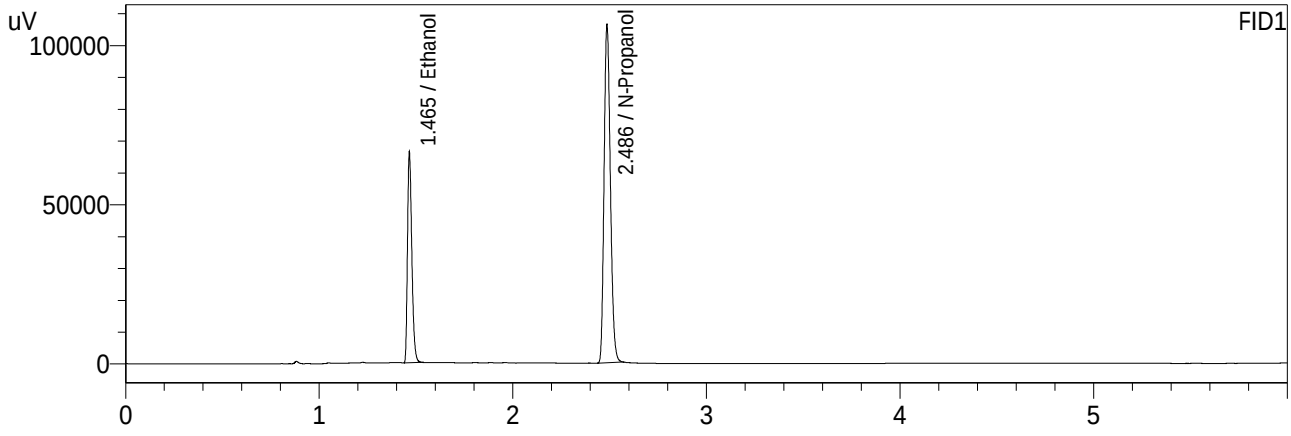
FID1

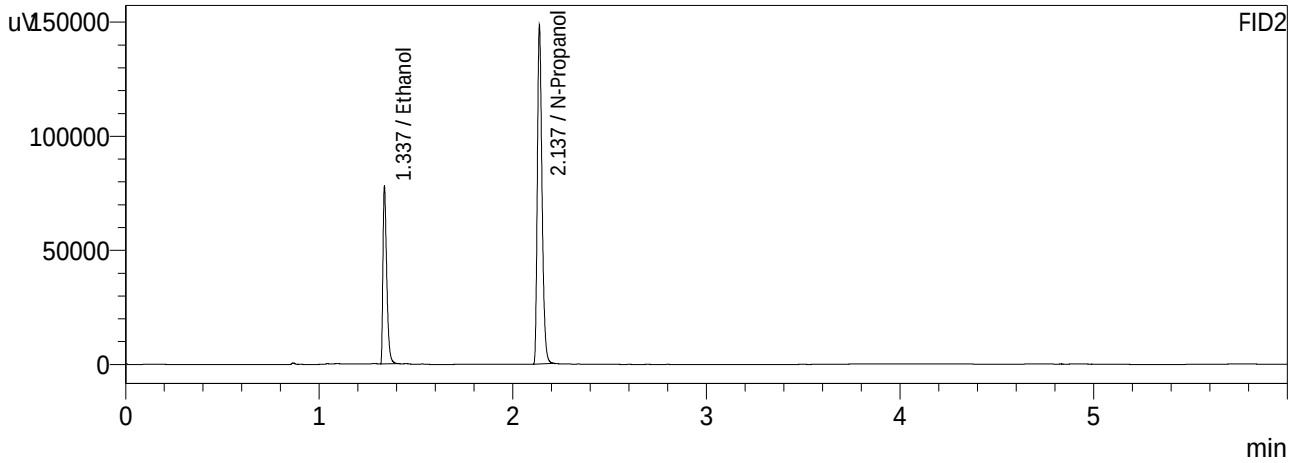
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2023	109863	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	255288	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1996	113011	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	266546	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-2-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 6:09:00 PM
Vial # : 33
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2011	102615	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	239853	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1984	105493	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	250293	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 8-24-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0779	0.0757	0.0022	0.0768	0.0000	0.0768
(g/100cc)	0.0778	0.0759	0.0019	0.0768		

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%**

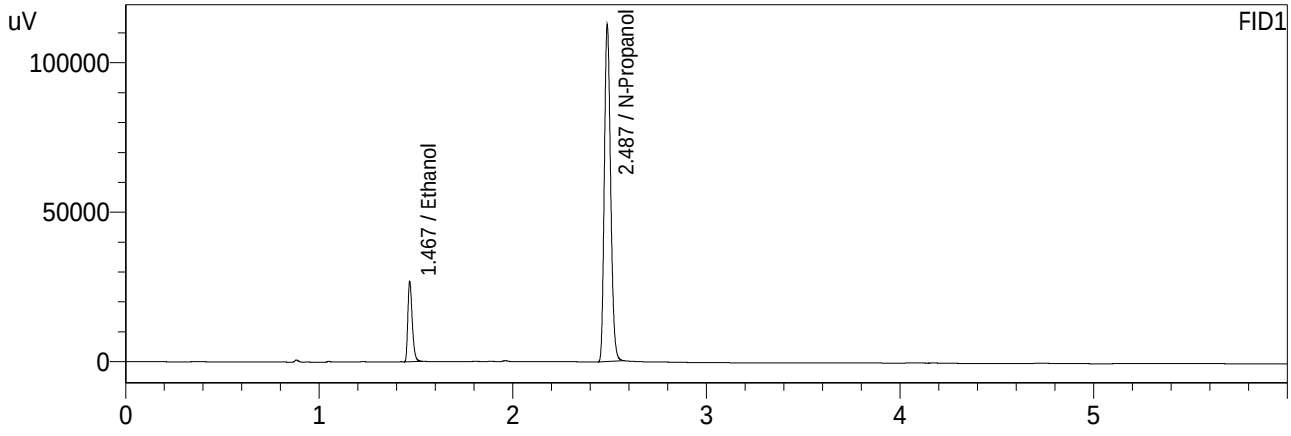
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	**0.072**	**0.080**	**0.004**

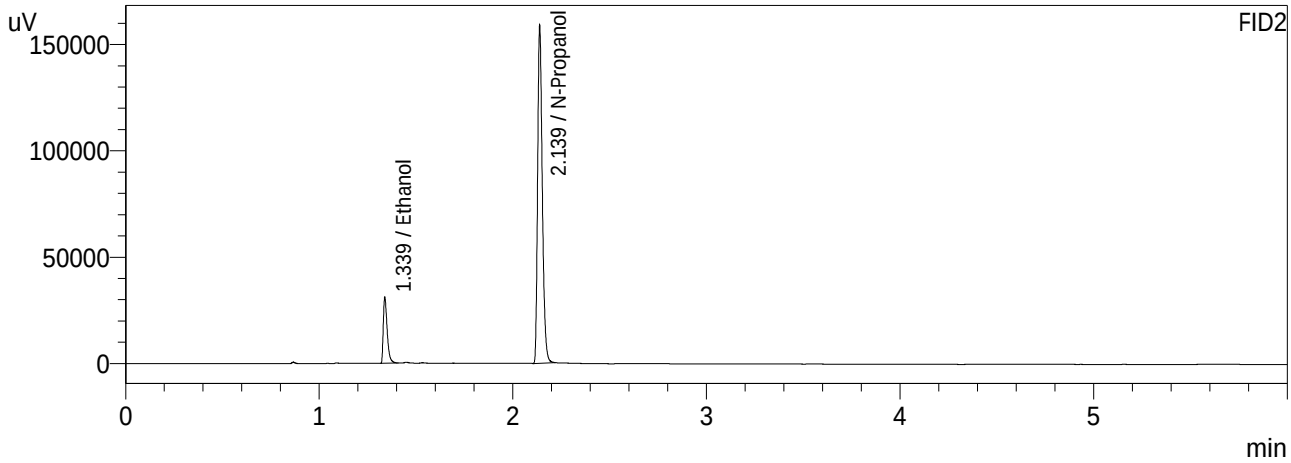
Reported Result

0.076

Calibration and control data are stored centrally.

Sample Name : QC1-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 6:54:27 PM
Vial # : 38
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





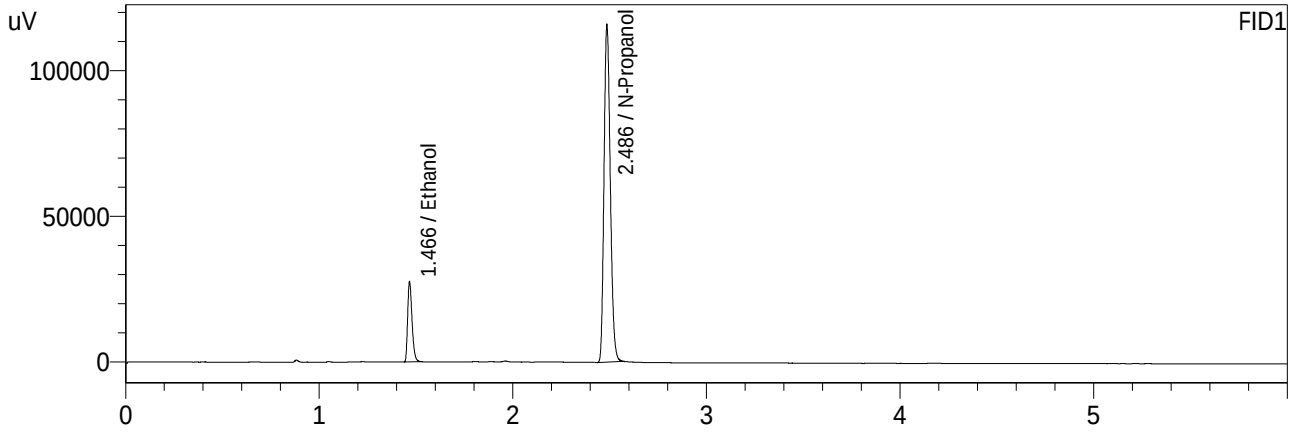
FID1

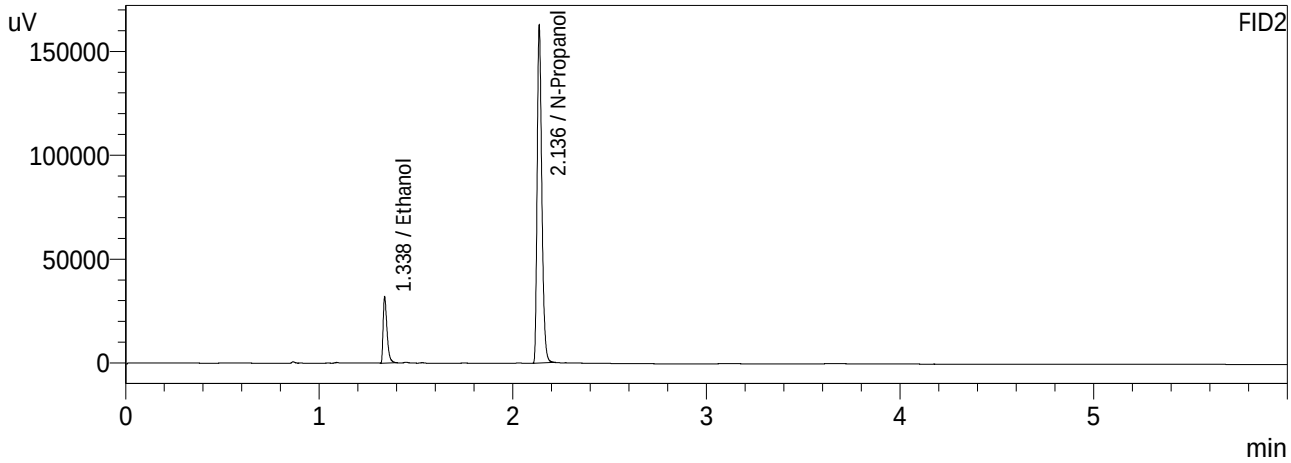
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0779	42147	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	254045	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0757	43069	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	267585	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 7:03:32 PM
Vial # : 39
Method Filename : C:\LabSolutions\Data\8-24-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





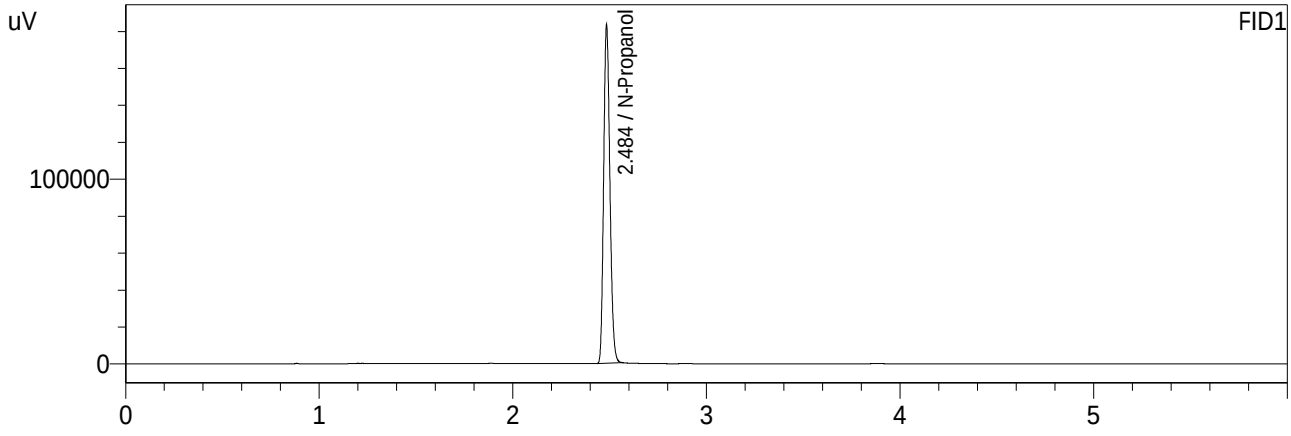
FID1

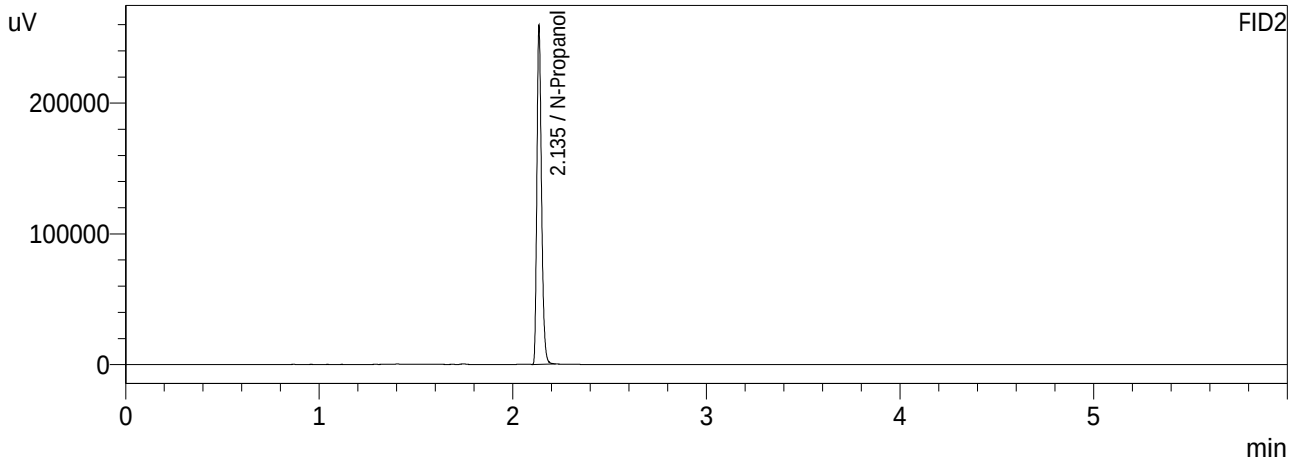
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0778	43210	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	261010	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0759	44011	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	272849	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLNK
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2021 7:12:37 PM
Vial # : 40
Method Filename : C:\LabSolutions\Data\8-24-21\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	409494	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	430377	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc