Worklist: 5059

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2021-1288	1	BCK	Alcohol Analysis
C2021-1335	1	BCK	Alcohol Analysis
C2021-1343	1	BCK	Alcohol Analysis
C2021-1363	1	BCK	Alcohol Analysis
C2021-1365	1	BCK	Alcohol Analysis
C2021-1370	1	BCK	Alcohol Analysis
C2021-1385	1	BCK	Alcohol Analysis
C2021-1391	1	BCK	Alcohol Analysis
C2021-1420	1	BCK	Alcohol Analysis
C2021-1422	1	BCK	Alcohol Analysis
C2021-1425	1	BCK	Alcohol Analysis
C2021-1435	2	BCK	Alcohol Analysis

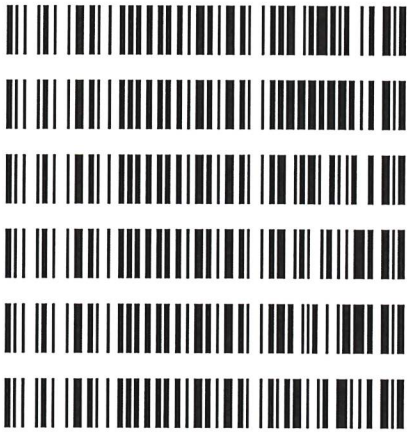
99 C2021-1168 -1 added to this worklist from worklist #5022 due to misinjection on previous run.

6-30-21

6/30/2021

Worklist: 5073

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2021-1484	1	BCK	Alcohol Analysis
C2021-1487	1	BCK	Alcohol Analysis
C2021-1501	1	BCK	Alcohol Analysis
C2021-1504	1	BCK	Alcohol Analysis
C2021-1515	1	BCK	Alcohol Analysis
C2021-1517	1	BCK	Alcohol Analysis



99

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): 6-30-2021**

worklist #5059 + 5073

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0821 g/100cc
					0.0839 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2080 g/100cc
					0.2042 g/100cc
					0.2074 g/100cc

Multi-Component mixture:	**Jul-22**		**Lot #**	FN07101701	OK
Curve Fit:		**Column 1**	0.99995		0.99993

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0511	0.0519	0.0008	0.0515
100	0.100	0.090 - 0.110	0.0980	0.0983	0.0003	0.0981
200	0.200	0.180 - 0.220	0.2009	0.1999	0.001	0.2004
300	0.300	0.270 - 0.330	0.2998	0.2990	0.0008	0.2994
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4999	0.5007	0.0008	0.5003

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.083 g/100cc

99

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

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	0:Unknown	1	ALCOHOL (short).GCM
9	QC-1-1-A	0:Unknown	0	ALCOHOL (short).GCM
10	QC-1-1-B	0:Unknown	0	ALCOHOL (short).GCM
11	0.08 QA - A	0:Unknown	0	ALCOHOL (short).GCM
12	0.08 QA - B	0:Unknown	0	ALCOHOL (short).GCM
13	LOT 21803-1-A	0:Unknown	0	ALCOHOL (short).GCM
14	LOT 21803-1-B	0:Unknown	0	ALCOHOL (short).GCM
15	LOT 21803-94-A	0:Unknown	0	ALCOHOL (short).GCM
16	LOT 21803-94-B	0:Unknown	0	ALCOHOL (short).GCM
17	LOT 21107-244-A	0:Unknown	0	ALCOHOL (short).GCM
18	LOT 21107-244-B	0:Unknown	0	ALCOHOL (short).GCM
19	LOT 21107-173-A	0:Unknown	0	ALCOHOL (short).GCM
20	LOT 21107-173-B	0:Unknown	0	ALCOHOL (short).GCM
21	C2021-1168-1-A	0:Unknown	0	ALCOHOL (short).GCM
22	C2021-1168-1-B	0:Unknown	0	ALCOHOL (short).GCM
23	C2021-1288-1-A	0:Unknown	0	ALCOHOL (short).GCM
24	C2021-1288-1-B	0:Unknown	0	ALCOHOL (short).GCM
25	C2021-1335-1-A	0:Unknown	0	ALCOHOL (short).GCM
26	C2021-1335-1-B	0:Unknown	0	ALCOHOL (short).GCM
27	C2021-1343-1-A	0:Unknown	0	ALCOHOL (short).GCM
28	C2021-1343-1-B	0:Unknown	0	ALCOHOL (short).GCM
29	C2021-1363-1-A	0:Unknown	0	ALCOHOL (short).GCM
30	C2021-1363-1-B	0:Unknown	0	ALCOHOL (short).GCM
31	QC-2-1-A	0:Unknown	0	ALCOHOL (short).GCM
32	QC-2-1-B	0:Unknown	0	ALCOHOL (short).GCM
33	C2021-1365-1-A	0:Unknown	0	ALCOHOL (short).GCM
34	C2021-1365-1-B	0:Unknown	0	ALCOHOL (short).GCM
35	C2021-1370-1-A	0:Unknown	0	ALCOHOL (short).GCM
36	C2021-1370-1-B	0:Unknown	0	ALCOHOL (short).GCM
37	C2021-1385-1-A	0:Unknown	0	ALCOHOL (short).GCM
38	C2021-1385-1-B	0:Unknown	0	ALCOHOL (short).GCM
39	C2021-1391-1-A	0:Unknown	0	ALCOHOL (short).GCM
40	C2021-1391-1-B	0:Unknown	0	ALCOHOL (short).GCM
41	C2021-1420-1-A	0:Unknown	0	ALCOHOL (short).GCM
42	C2021-1420-1-B	0:Unknown	0	ALCOHOL (short).GCM
43	C2021-1422-1-A	0:Unknown	0	ALCOHOL (short).GCM
44	C2021-1422-1-B	0:Unknown	0	ALCOHOL (short).GCM
45	C2021-1425-1-A	0:Unknown	0	ALCOHOL (short).GCM
46	C2021-1425-1-B	0:Unknown	0	ALCOHOL (short).GCM
47	C2021-1435-2-A	0:Unknown	0	ALCOHOL (short).GCM
48	C2021-1435-2-B	0:Unknown	0	ALCOHOL (short).GCM
49	C2021-1484-1-A	0:Unknown	0	ALCOHOL (short).GCM
50	C2021-1484-1-B	0:Unknown	0	ALCOHOL (short).GCM
51	C2021-1487-1-A	0:Unknown	0	ALCOHOL (short).GCM
52	C2021-1487-1-B	0:Unknown	0	ALCOHOL (short).GCM
53	QC-2-2-A	0:Unknown	0	ALCOHOL (short).GCM
54	QC-2-2-B	0:Unknown	0	ALCOHOL (short).GCM
55	C2021-1501-1-A	0:Unknown	0	ALCOHOL (short).GCM
56	C2021-1501-1-B	0:Unknown	0	ALCOHOL (short).GCM
57	C2021-1504-1-A	0:Unknown	0	ALCOHOL (short).GCM
58	C2021-1504-1-B	0:Unknown	0	ALCOHOL (short).GCM
59	C2021-1515-1-A	0:Unknown	0	ALCOHOL (short).GCM

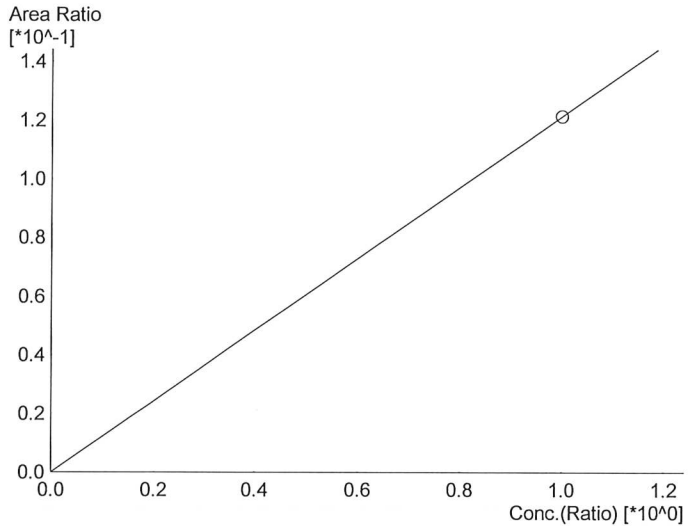
99

Vial#	Sample Name	Sample Type	Level#	Method File
60	C2021-1515-1-B	0:Unknown	0	ALCOHOL (short).GCM
61	C2021-1517-1-A	0:Unknown	0	ALCOHOL (short).GCM
62	C2021-1517-1-B	0:Unknown	0	ALCOHOL (short).GCM
63	QC-2-3-A	0:Unknown	0	ALCOHOL (short).GCM
64	QC-2-3-B	0:Unknown	0	ALCOHOL (short).GCM
65	QC-1-2-A	0:Unknown	0	ALCOHOL (short).GCM
66	QC-1-2-B	0:Unknown	0	ALCOHOL (short).GCM

Calibration Table

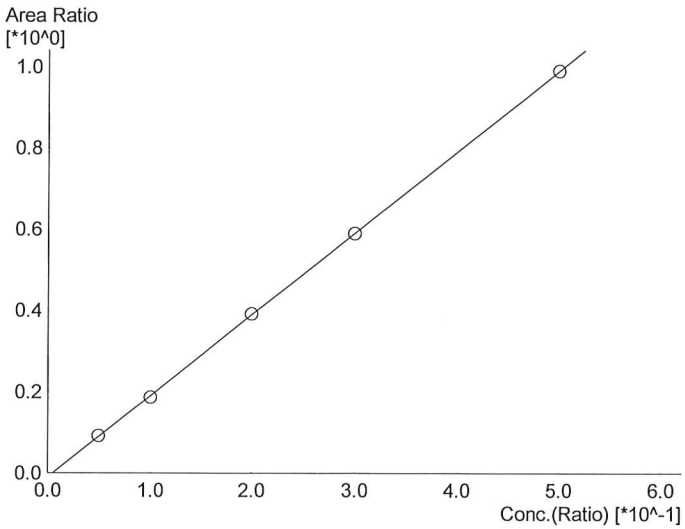
Laboratory : Coeur d' Alene
Instrument Name : Nexis GC2030
Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
Method File :C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Batch File :C:\LabSolutions\Data\6-30-21\MASTER TEMPLATE.gcb
Date Acquired :6/30/2021 6:46:08 PM
Date Created :6/30/2021 6:43:13 PM
Date Modified :7/1/2021 8:22:15 AM



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

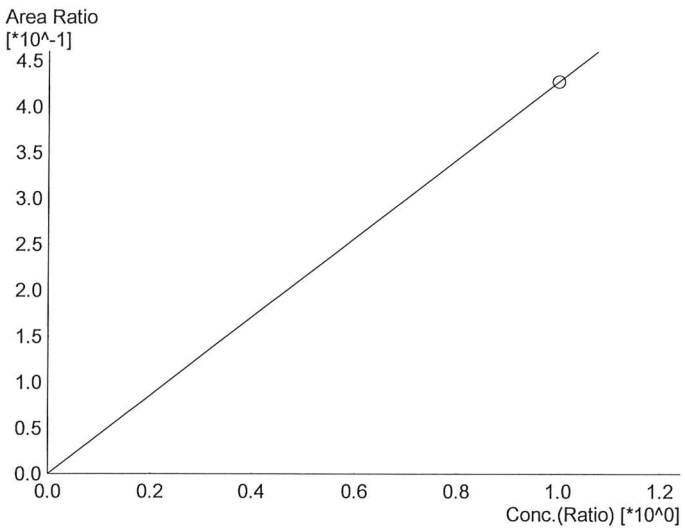
#	Conc.	Area	Std. Conc.
6	1.000	15387	1.0000



Name : Ethanol
Detector Name: FID1
Function : f(x)=1.99960*x-0.0101253
R^2 value= 0.9999515
FitType: Linear
ZeroThrough: Not Through

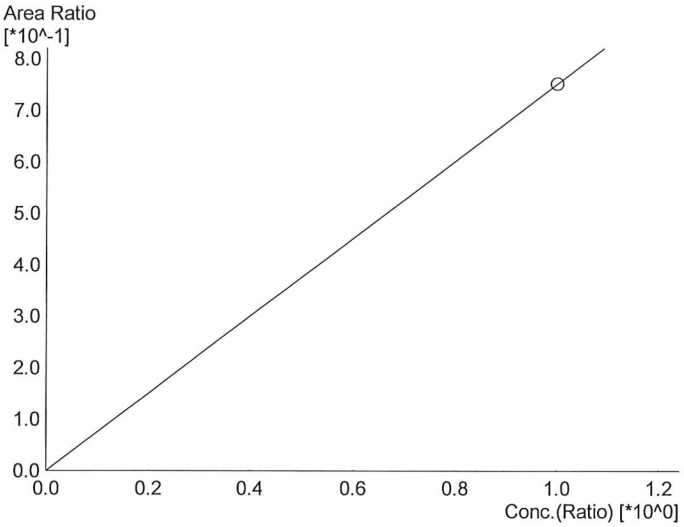
#	Conc.	Area	Std. Conc.
1	0.050	26698	0.0511
2	0.100	54070	0.0980
3	0.200	113931	0.2009
4	0.300	176684	0.2998
5	0.500	296280	0.4999

99



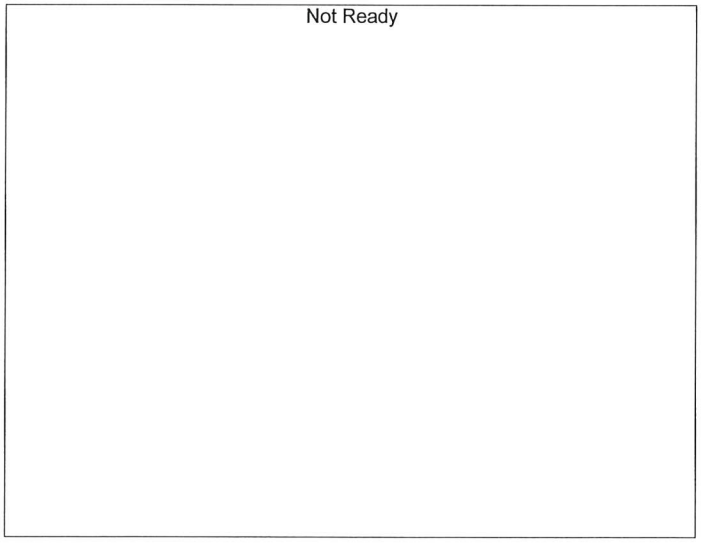
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0.427299*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	54182	1.0000



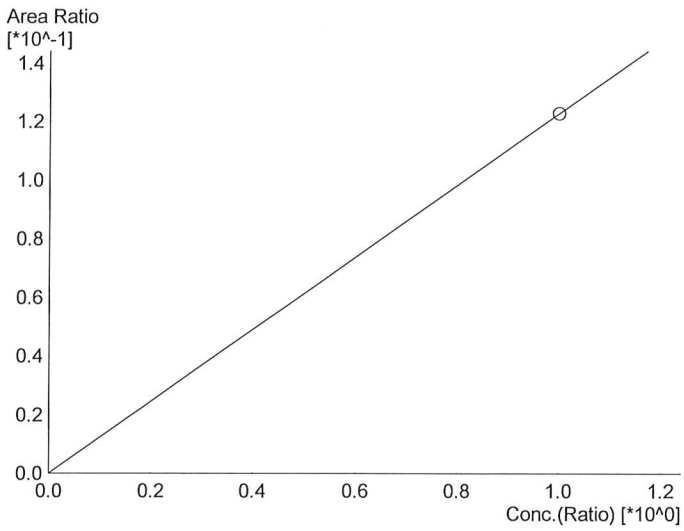
Name : Acetone
Detector Name: FID1
Function : f(x)=0.751324*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	95269	1.0000



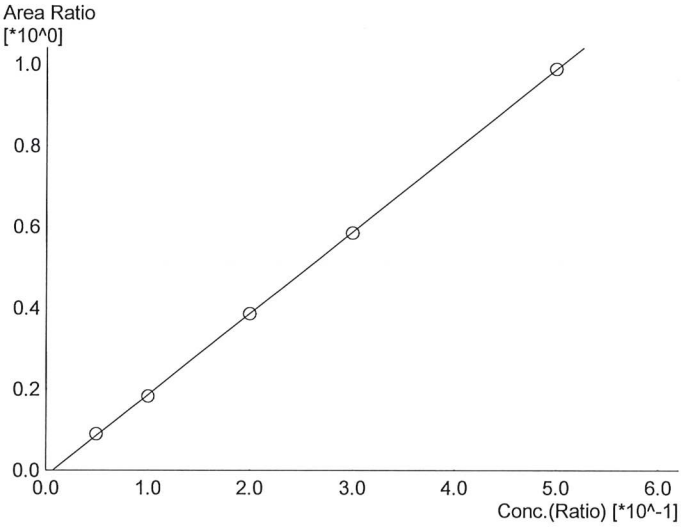
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



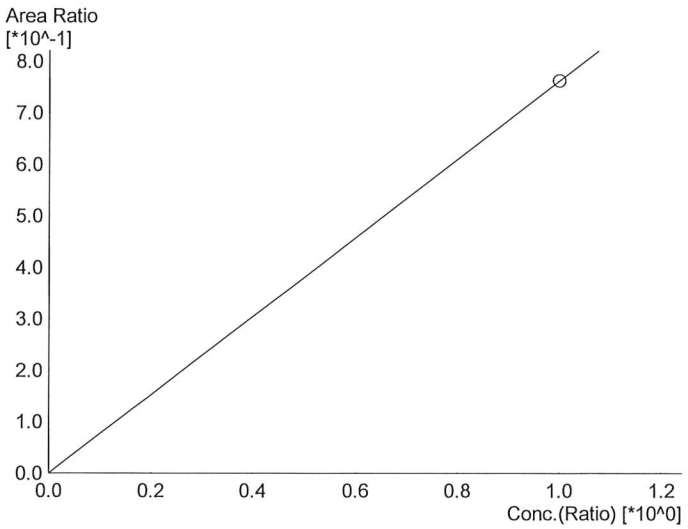
Name : Methanol
Detector Name: FID2
Function : f(x)=0.122802*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	14736	1.0000



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.00372*x-0.0146928
R^2 value= 0.9999374
FitType: Linear
ZeroThrough: Not Through

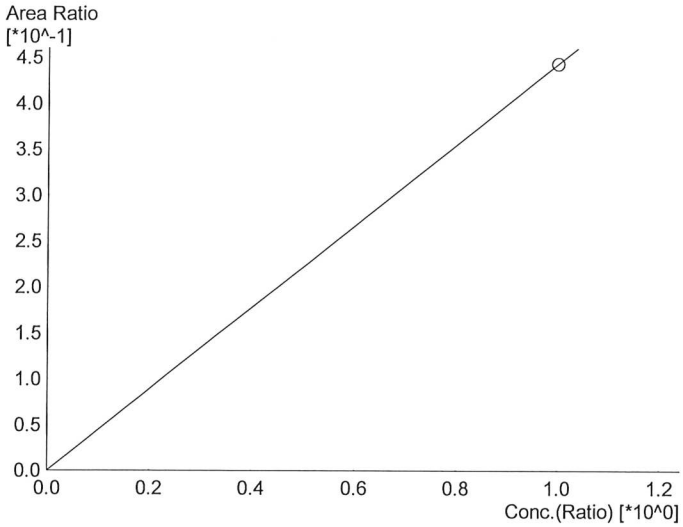
#	Conc.	Area	Std. Conc.
1	0.050	26209	0.0519
2	0.100	53645	0.0983
3	0.200	114154	0.1999
4	0.300	178691	0.2990
5	0.500	302043	0.5007



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

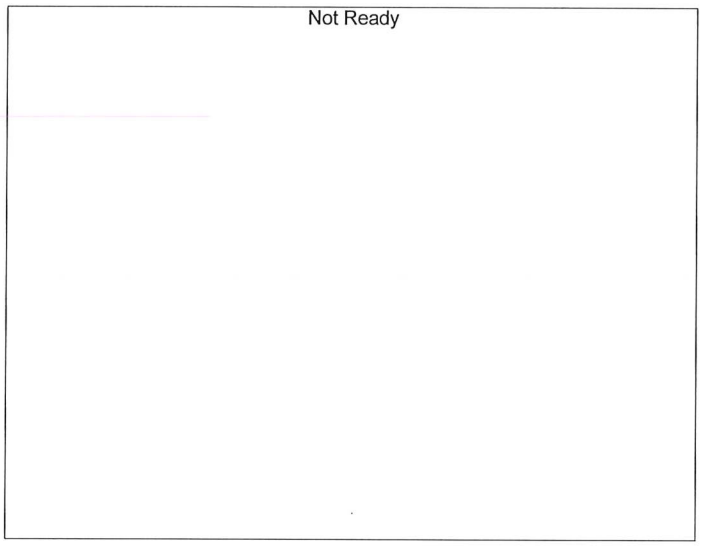
#	Conc.	Area	Std. Conc.
6	1.000	91489	1.0000

99



Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0.443317*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	53199	1.0000

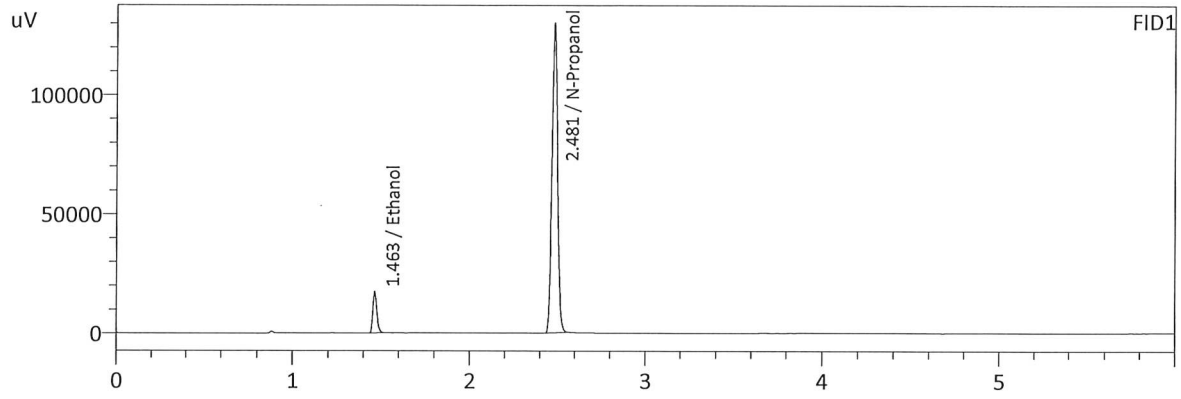


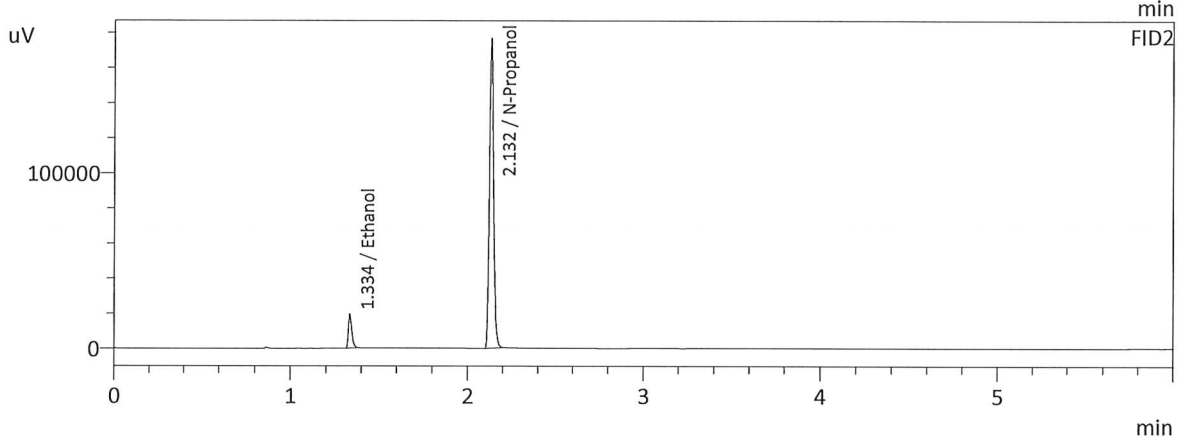
Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

99

Sample Name : 0.050
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 6:10:34 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

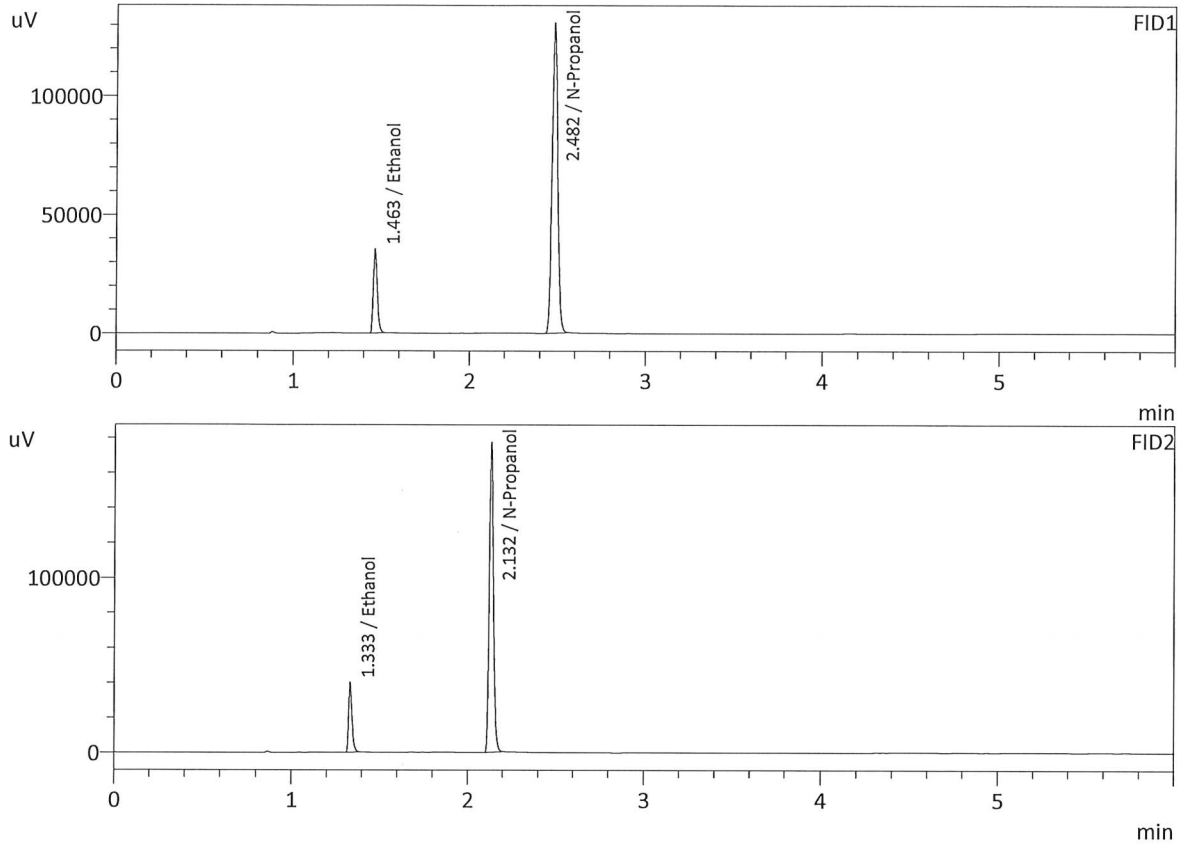
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0511	26698	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	289611	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0519	26209	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	293264	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.100
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 6:19:32 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

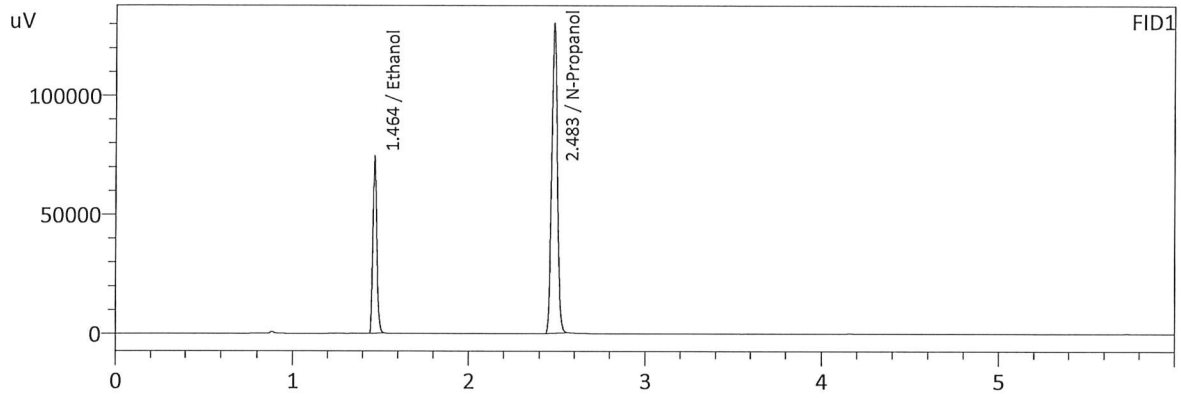
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0980	54070	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	290829	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

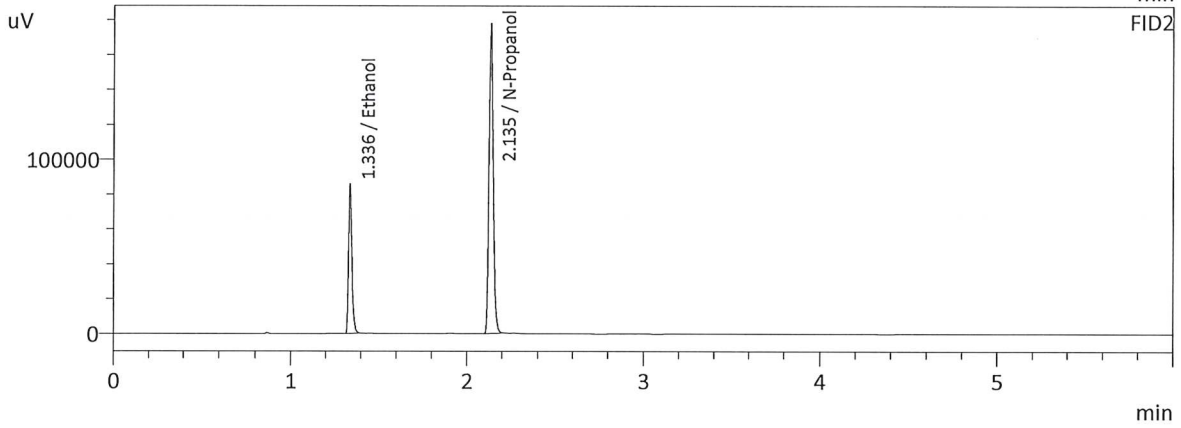
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0983	53645	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	294256	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.200
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 6:28:36 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

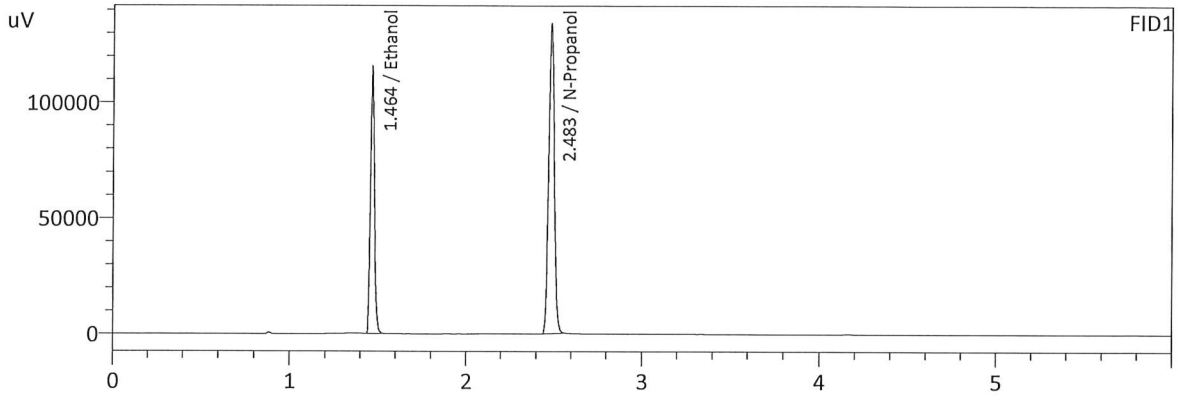
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2009	113931	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	290811	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

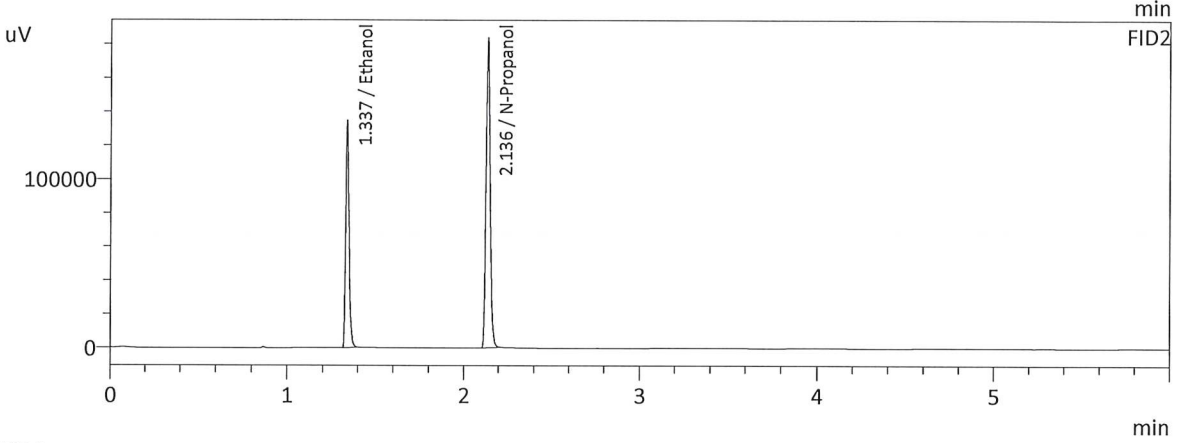
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1999	114154	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	295728	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.300
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 6:37:05 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

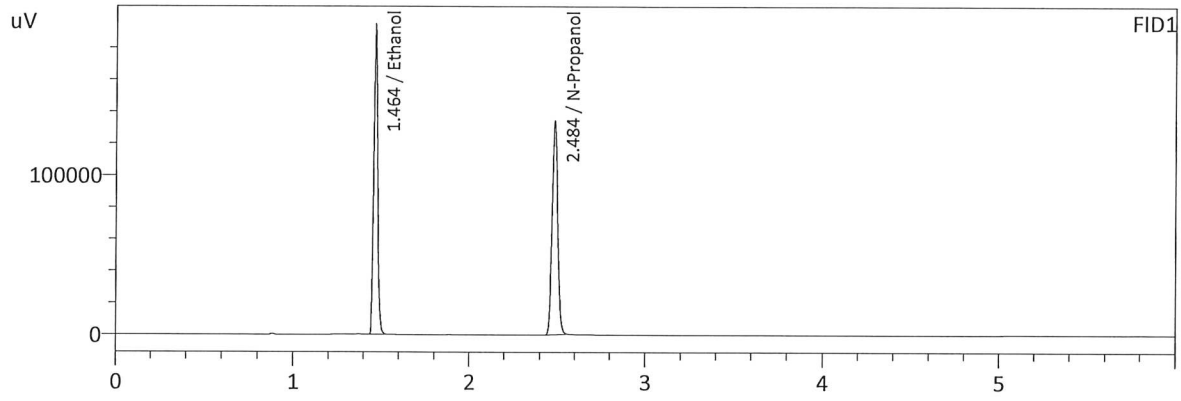
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2998	176684	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	299778	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

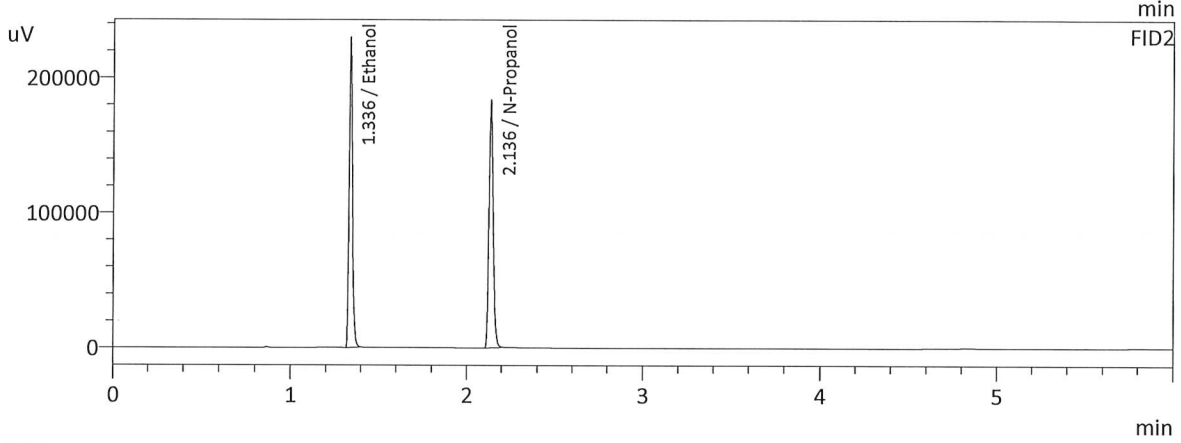
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2990	178691	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	305711	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.500
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 6:46:08 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

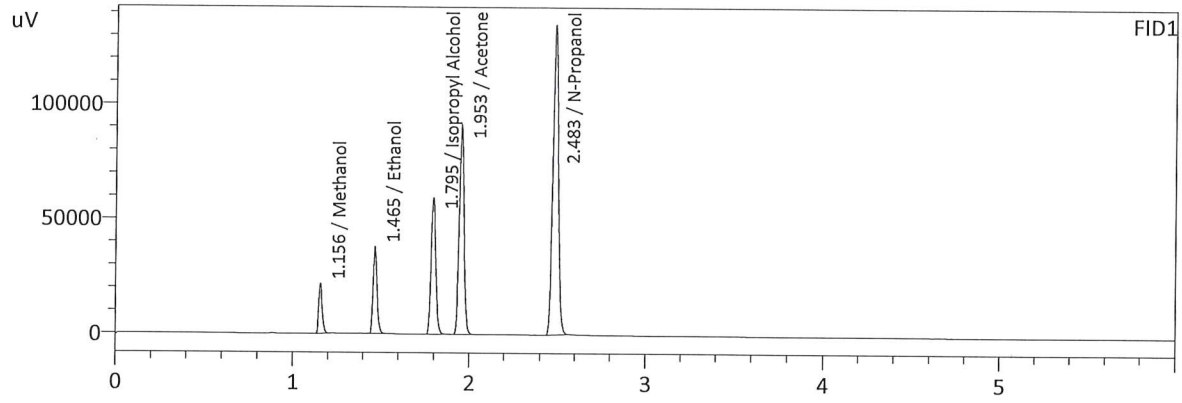
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4999	296280	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	299377	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

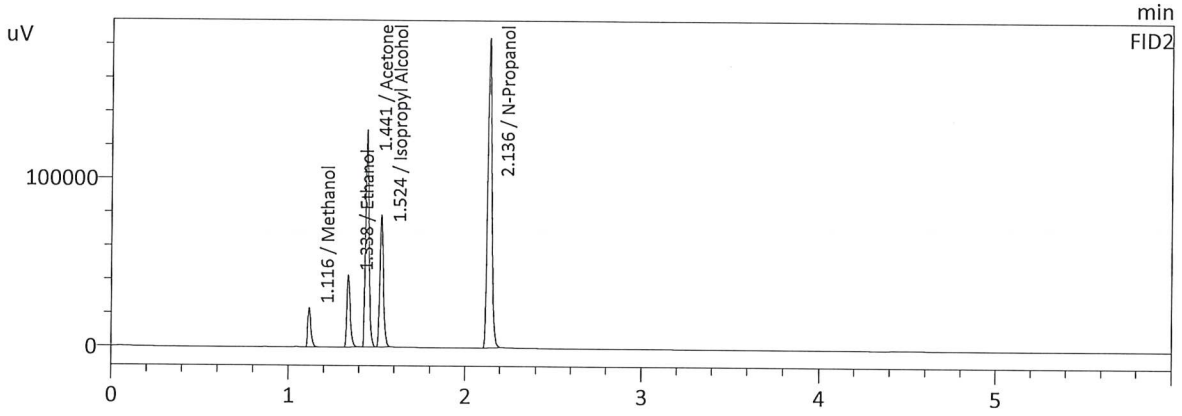
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5007	302043	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	305520	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : MULTI-COMP MIX
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 7:03:39 PM
Vial # : 8
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	0.8065	29467	g/100cc
Ethanol	0.1016	58160	g/100cc
Isopropyl Alcohol	0.8591	110540	g/100cc
Acetone	0.7541	170593	g/100cc
N-Propanol	0.0000	301088	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.7826	29453	g/100cc
Ethanol	0.1017	57968	g/100cc
Acetone	0.7488	174973	g/100cc
Isopropyl Alcohol	0.8212	111577	g/100cc
N-Propanol	0.0000	306456	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Analysis Date(s): 6-30-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0836	0.0840	0.0004	0.0838	0.0001	0.0837
(g/100cc)	0.0838	0.0837	0.0001	0.0837		

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%**

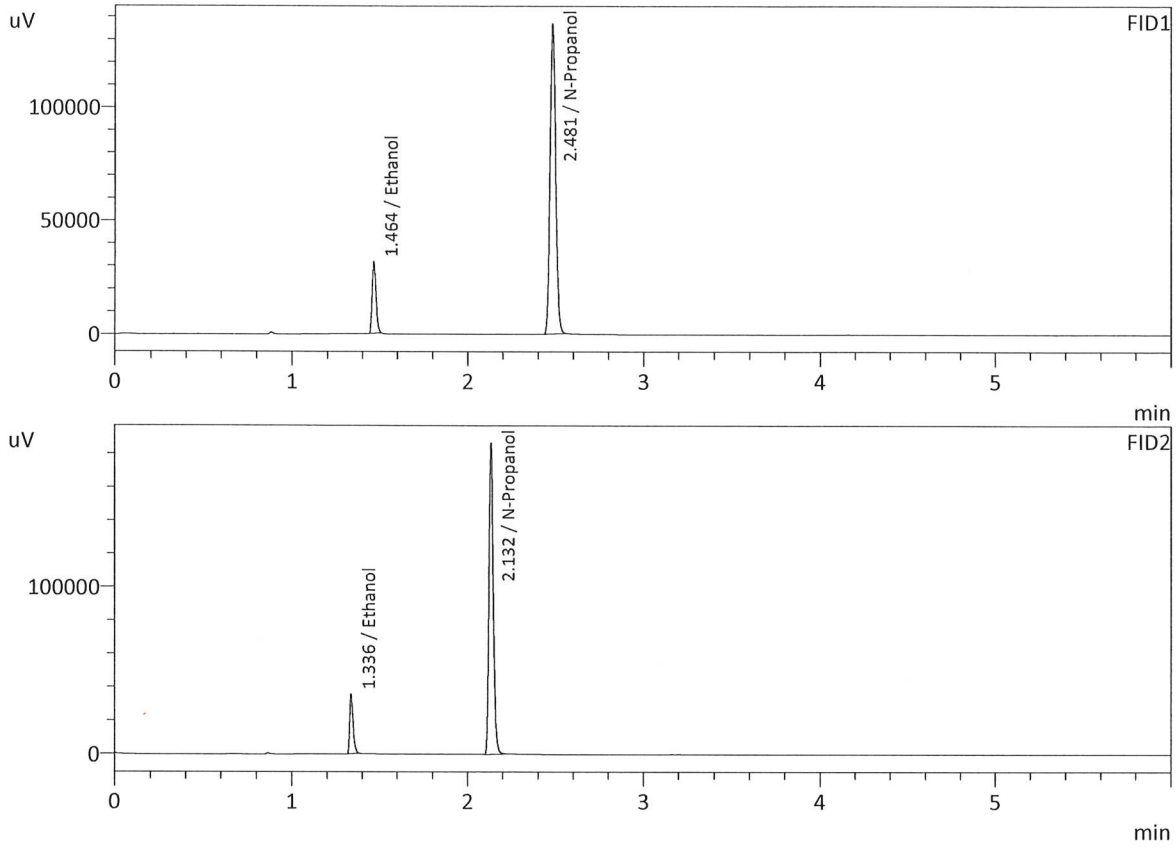
Overall Mean (g/100cc)	Low	High	5% of Mean
0.083	0.078	0.088	0.005

Reported Result

0.083

Calibration and control data are stored centrally.

Sample Name : 0.08 QA - A
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 7:30:13 PM
Vial # : 11
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

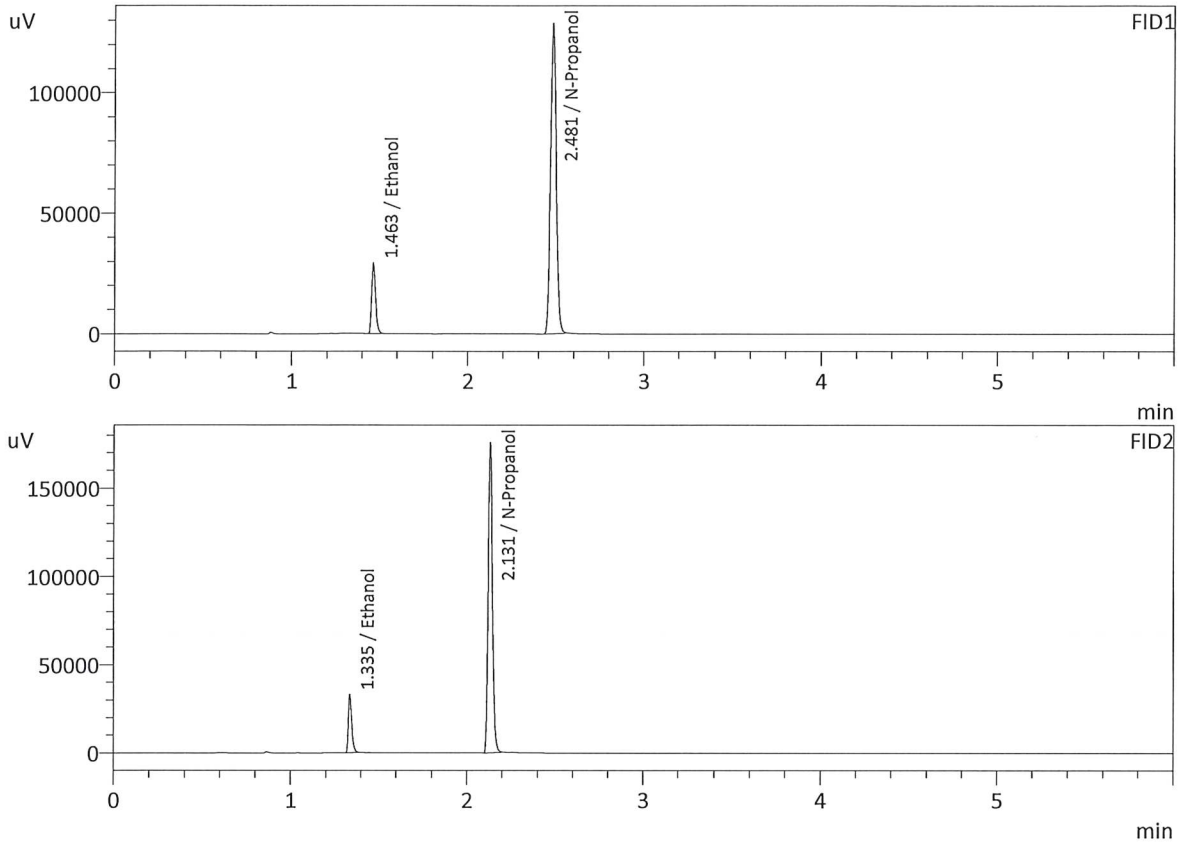
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	48025	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	305679	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0840	47772	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	310660	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.08 QA - B
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 7:39:15 PM
Vial # : 12
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



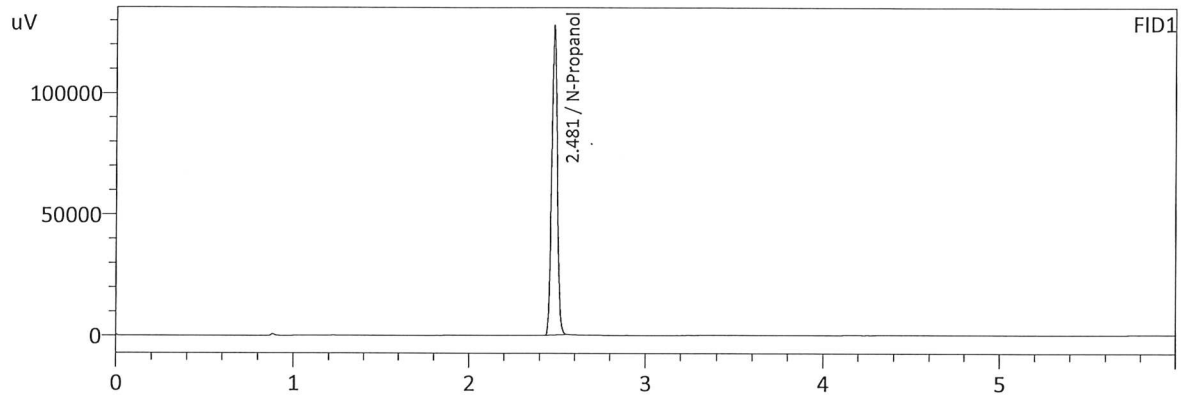
FID1

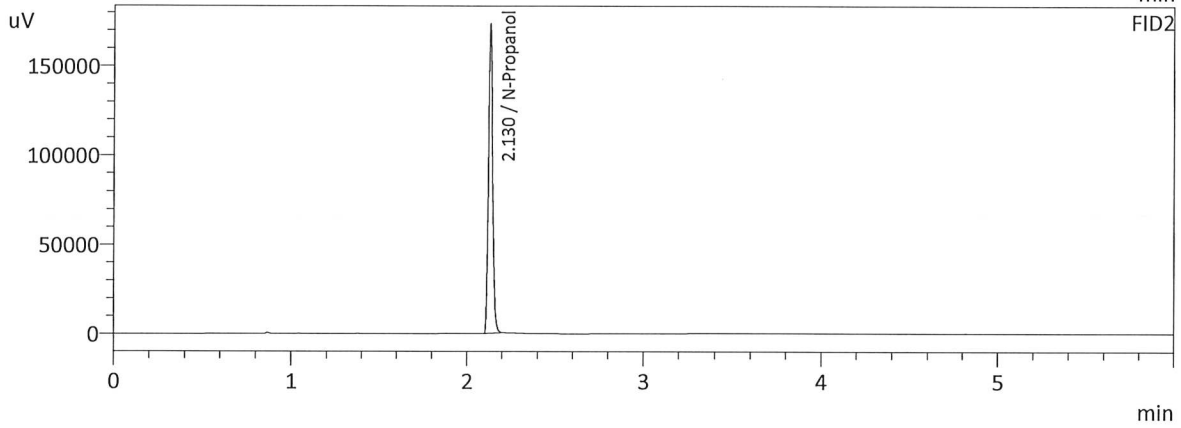
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0838	45228	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	287232	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	44687	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	291811	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 6:01:49 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

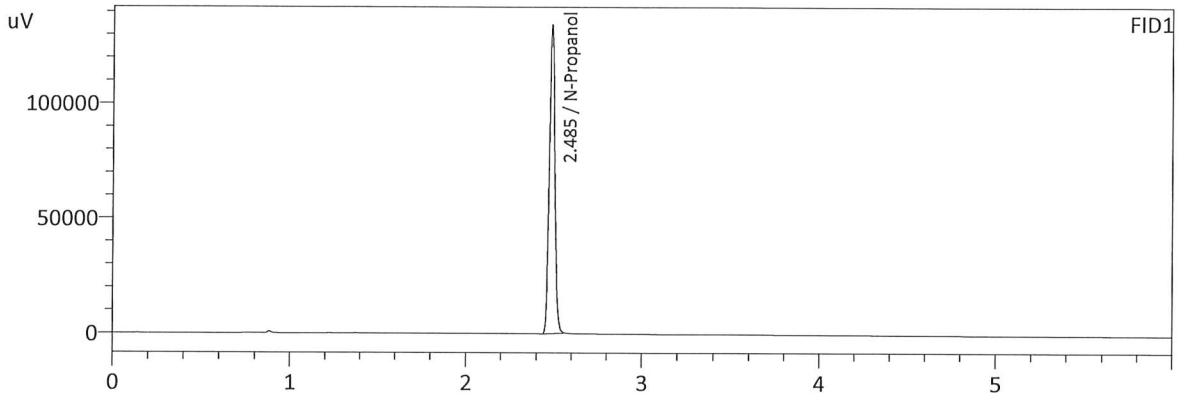
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	284704	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

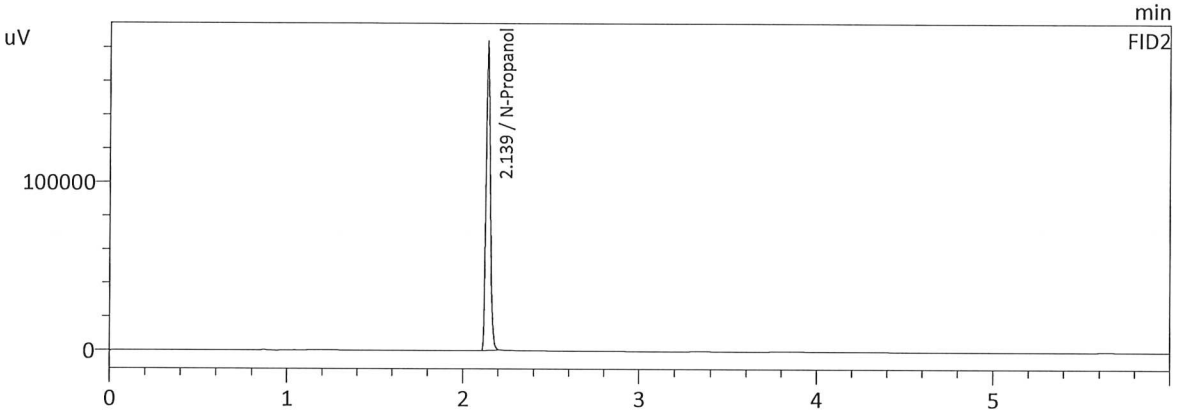
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	287590	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 2
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 6:55:10 PM
Vial # : 7
Method Filename : C:\LabSolutions\Data\6-30-21\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	300332	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	306276	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1-1 **Analysis Date(s): 6-30-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0820	0.0820	0.0000	0.0820	0.0003	0.0821
(g/100cc)	0.0824	0.0823	0.0001	0.0823		

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

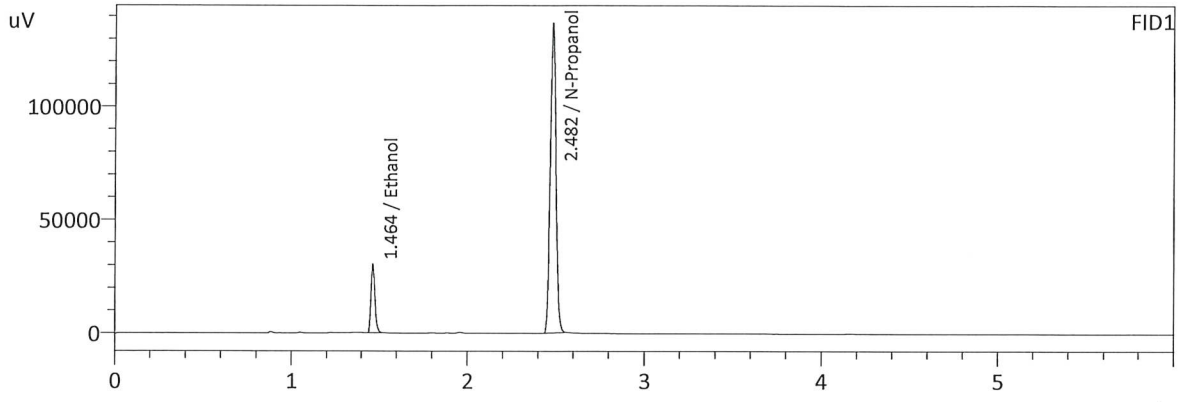
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

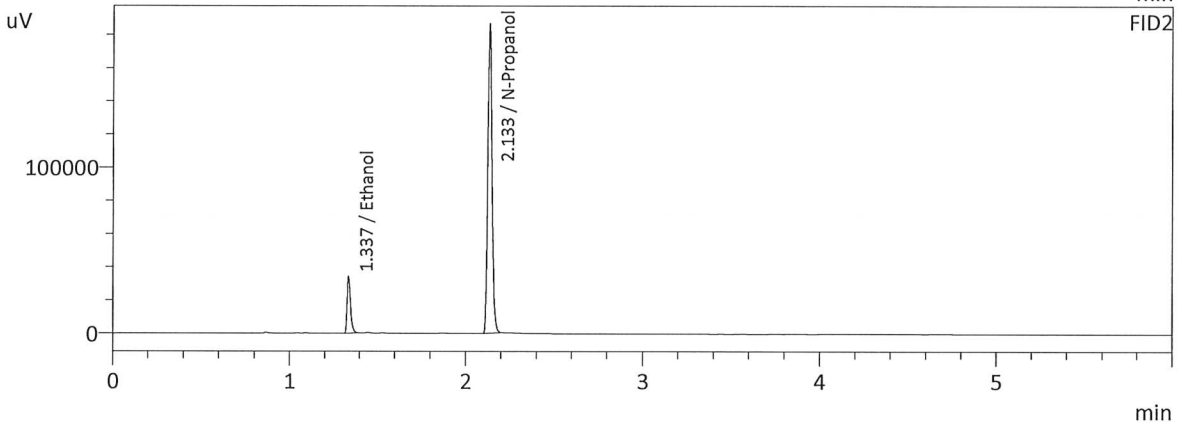
Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	0.077	0.087	0.005

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 7:12:41 PM
Vial # : 9
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

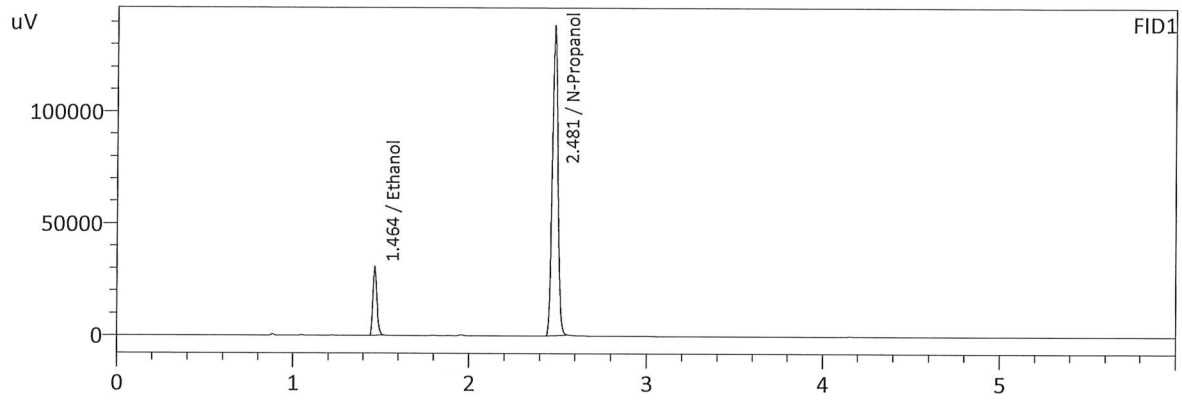
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	46905	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	304888	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

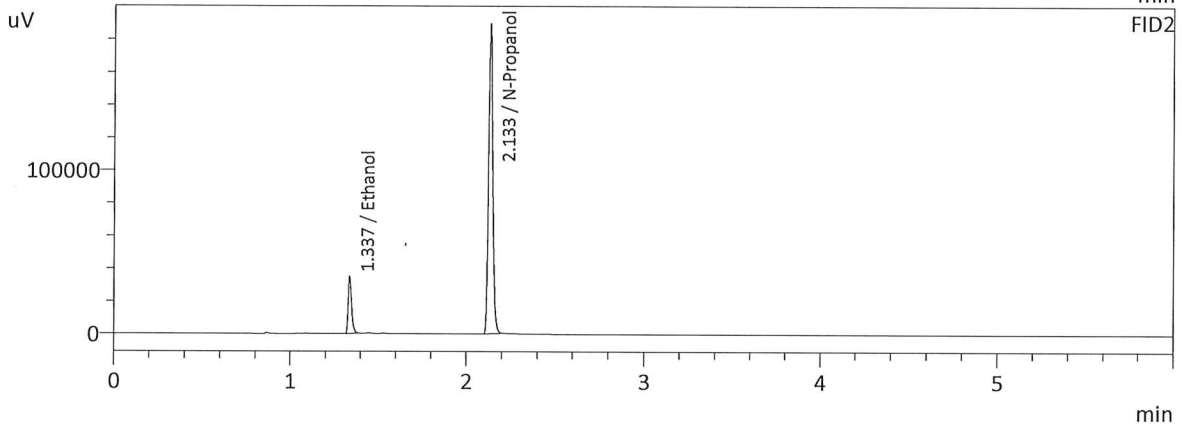
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	46407	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	310031	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-1-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 7:21:43 PM
Vial # : 10
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	47839	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	309287	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	47221	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	314059	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1-2 **Analysis Date(s): 6-30-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0841	0.0840	0.0001	0.0840	0.0002	0.0839
(g/100cc)	0.0837	0.0840	0.0003	0.0838		

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%**

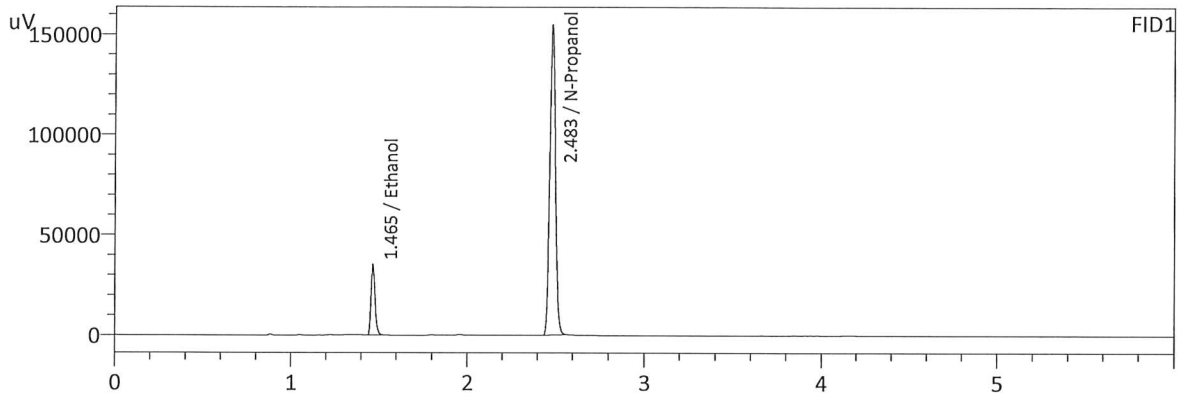
Overall Mean (g/100cc)	Low	High	5% of Mean
0.083	**0.078**	**0.088**	**0.005**

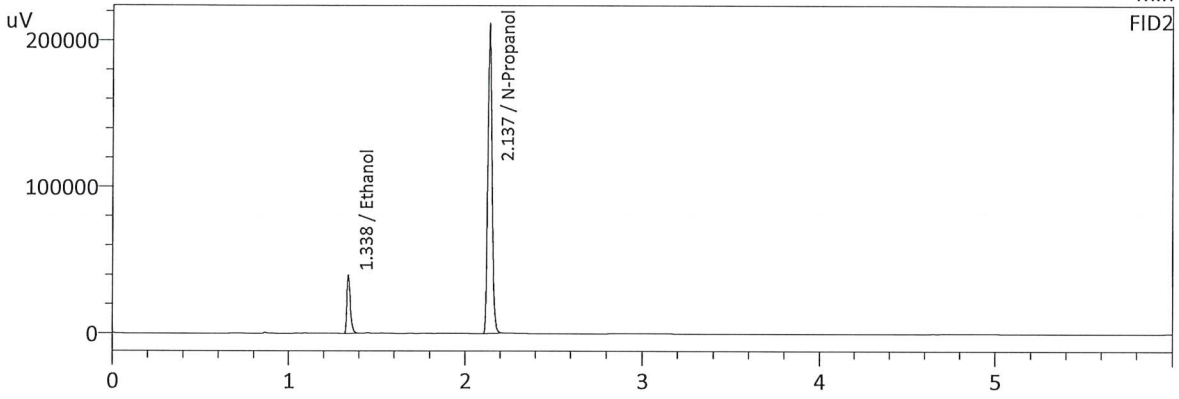
Reported Result

0.083

Calibration and control data are stored centrally.

Sample Name : QC-1-2-A
Laboratory : Coeur d' Alene Lab
Injection Date : 7/1/2021 3:28:30 AM
Vial # : 65
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

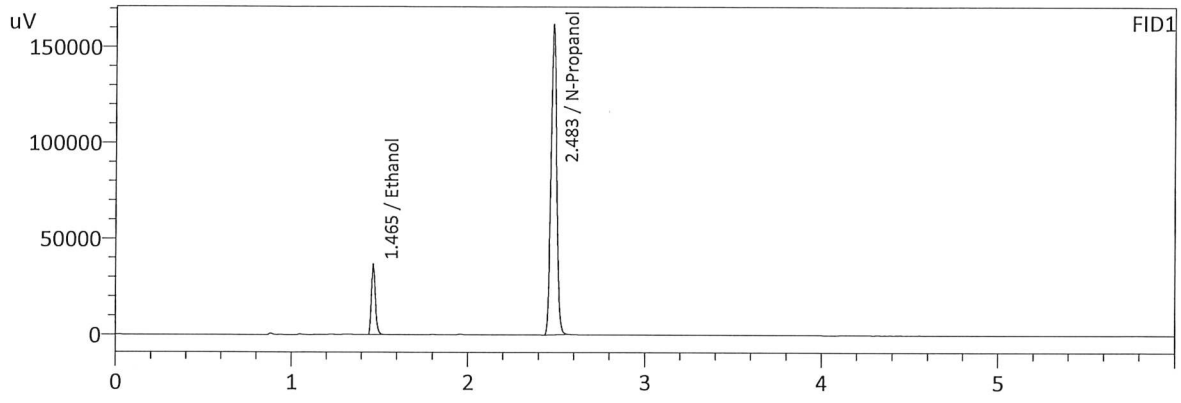
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0841	54674	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	345951	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

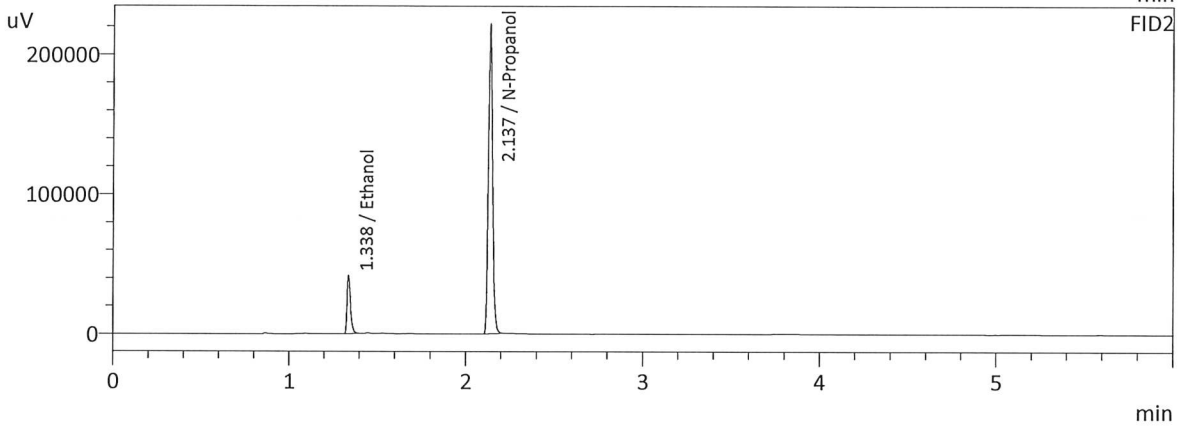
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0840	54022	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	351578	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-1-2-B
Laboratory : Coeur d' Alene Lab
Injection Date : 7/1/2021 3:37:35 AM
Vial # : 66
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	56871	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	361444	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0840	56520	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	367453	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2-1 **Analysis Date(s): 6-30-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2079	0.2074	0.0005	0.2076	0.0009	0.2080
(g/100cc)	0.2088	0.2082	0.0006	0.2085		

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%**

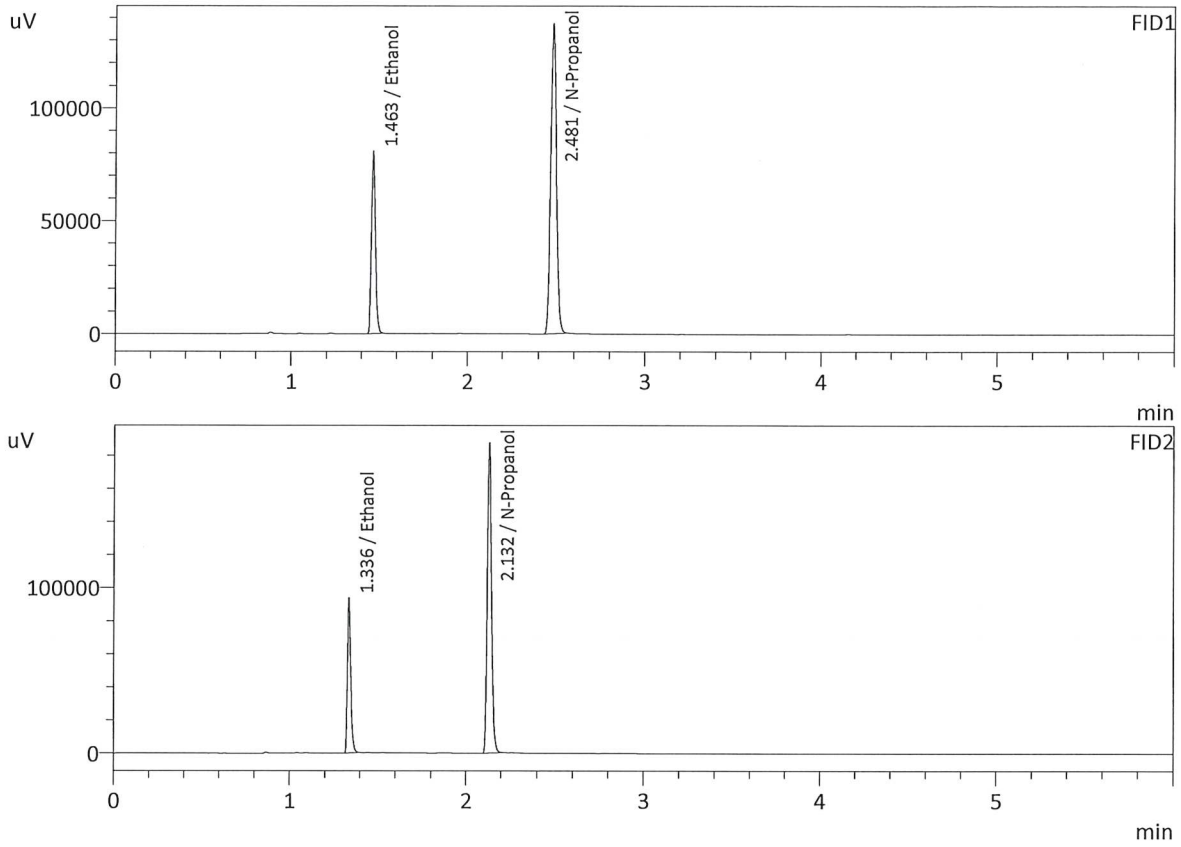
Overall Mean (g/100cc)	Low	High	5% of Mean
0.208	**0.197**	**0.219**	**0.011**

	Reported Result	
	0.208	

Calibration and control data are stored centrally.

Revision: 3
Issue Date: 12/28/2020
Issuing Authority: Quality Manager

Sample Name : QC-2-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 10:27:43 PM
Vial # : 31
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

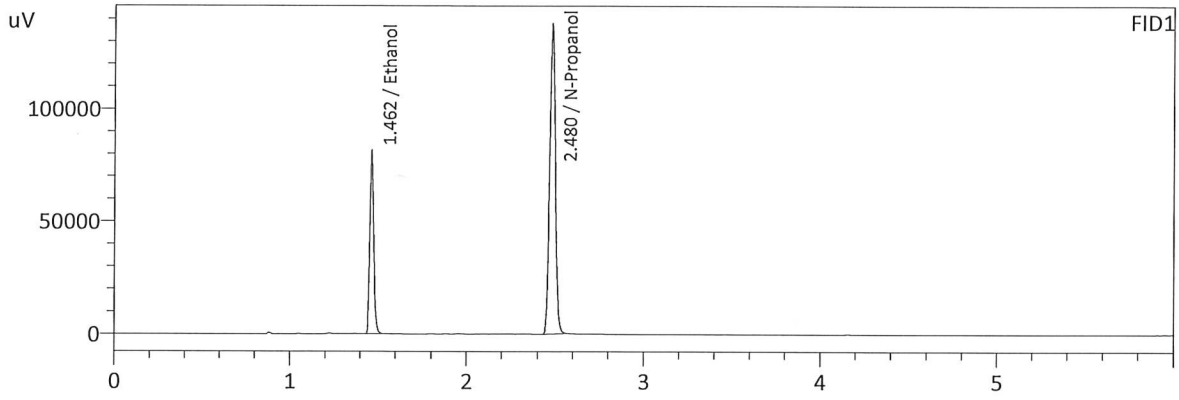
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2079	124286	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	306398	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

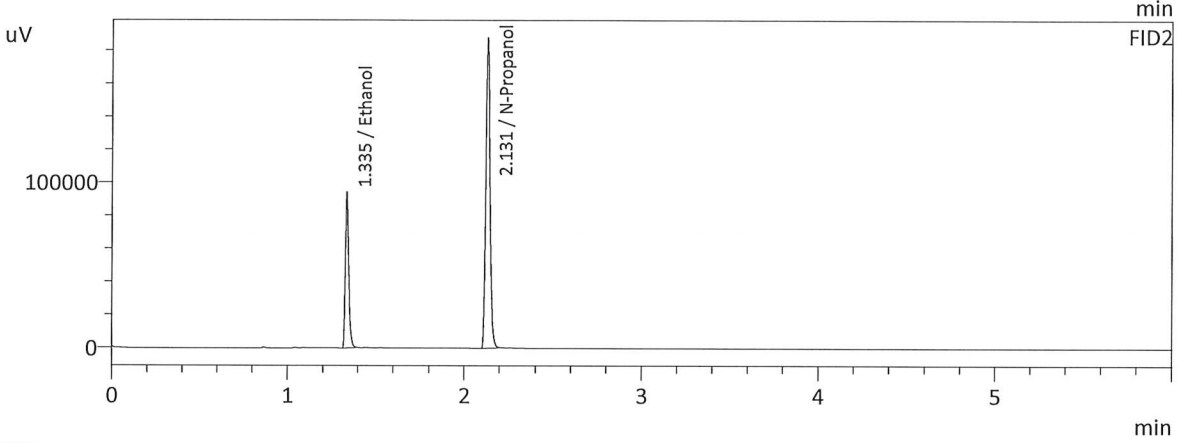
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2074	124675	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	310973	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 6/30/2021 10:36:12 PM
Vial # : 32
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2088	125134	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	307040	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2082	125613	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	311985	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2-2 **Analysis Date(s): 6-30-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2067	0.2059	0.0008	0.2063	0.0041	0.2042
(g/100cc)	0.2027	0.2018	0.0009	0.2022		

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%**

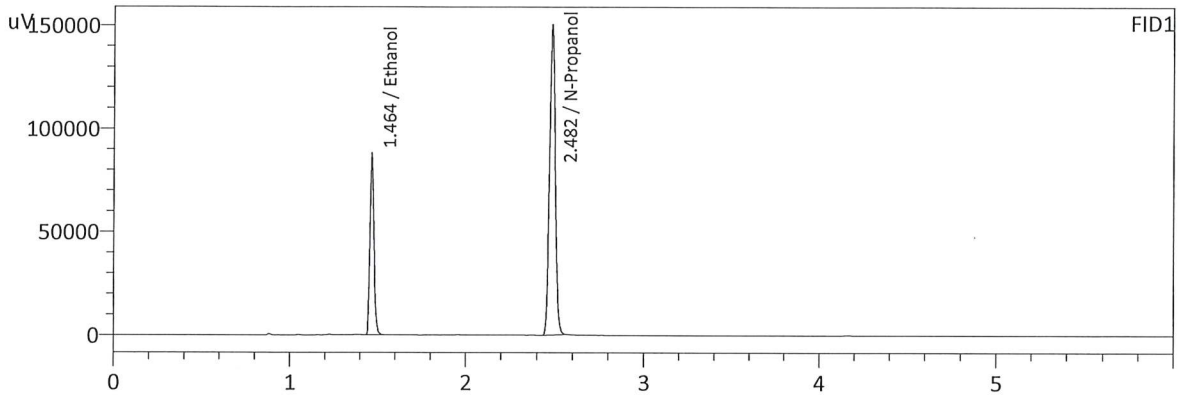
Overall Mean (g/100cc)	Low	High	5% of Mean
0.204	0.193	0.215	0.011

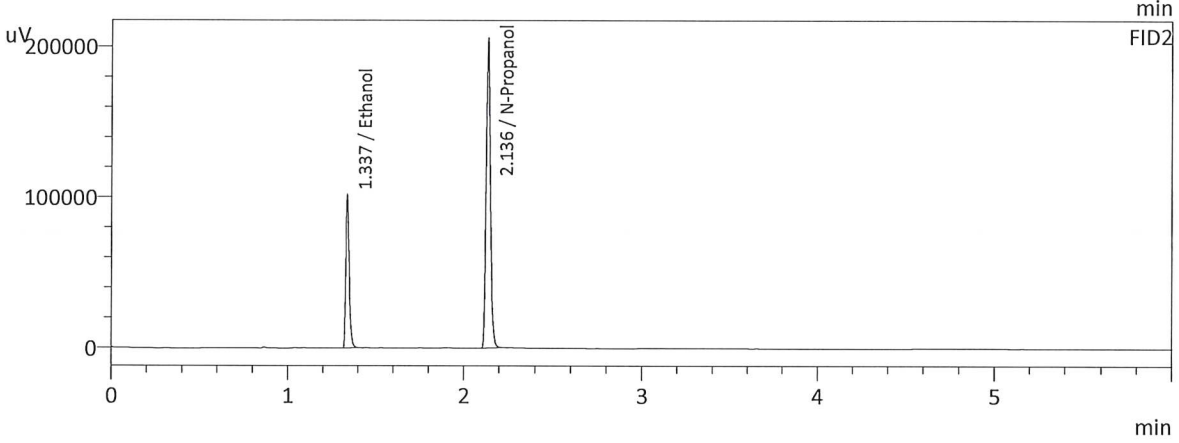
Reported Result

0.204

Calibration and control data are stored centrally.

Sample Name : QC-2-2-A
Laboratory : Coeur d' Alene Lab
Injection Date : 7/1/2021 1:42:14 AM
Vial # : 53
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

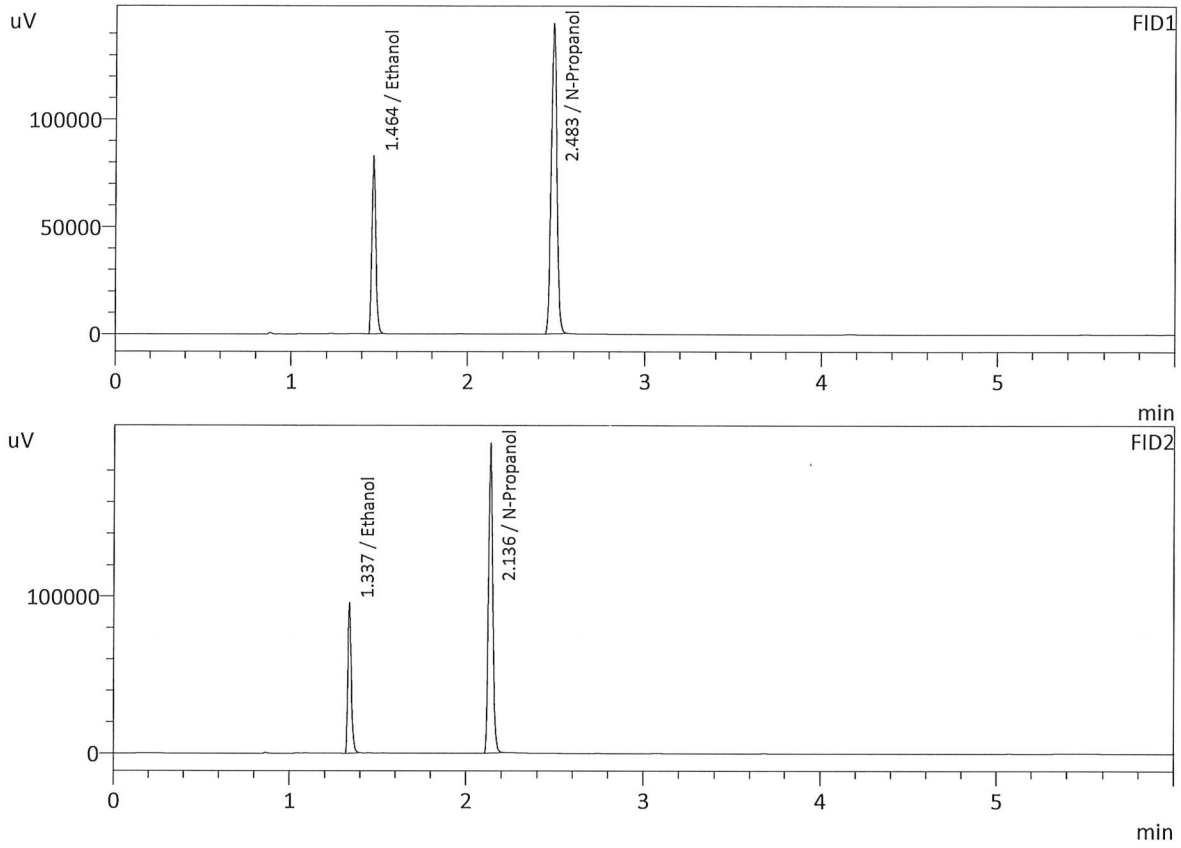
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2067	135318	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	335553	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2059	135914	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	341541	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-2-B
Laboratory : Coeur d' Alene Lab
Injection Date : 7/1/2021 1:51:15 AM
Vial # : 54
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2027	127536	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	322645	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2018	127820	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	327883	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2-3 **Analysis Date(s): 6-30-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2064	0.2055	0.0009	0.2059	0.0030	0.2074
(g/100cc)	0.2091	0.2088	0.0003	0.2089		

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

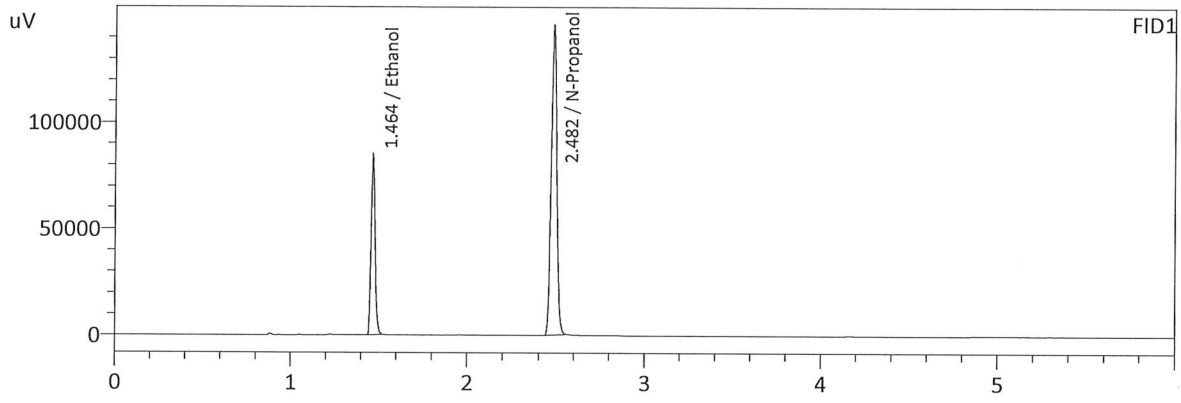
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

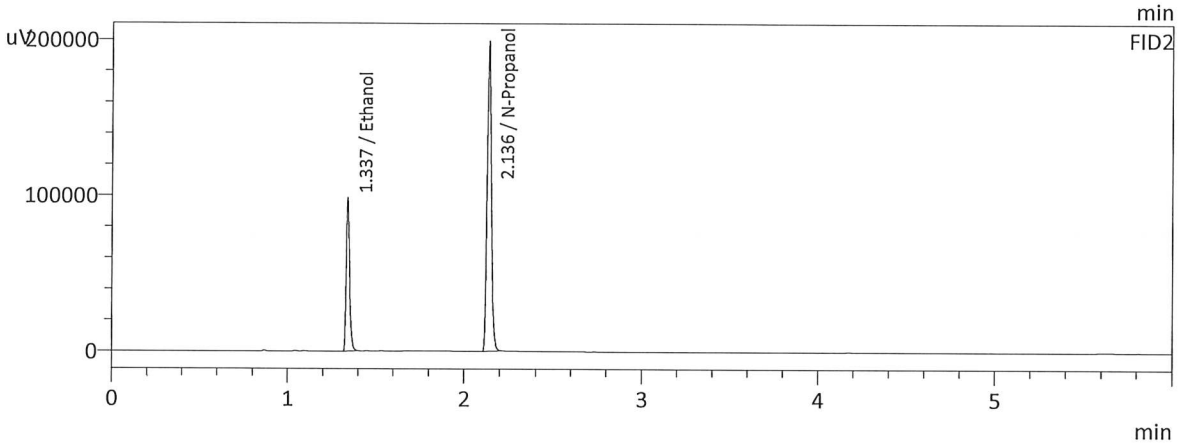
Overall Mean (g/100cc)	Low	High	5% of Mean
0.207	0.196	0.218	0.011

	Reported Result	
	0.207	

Calibration and control data are stored centrally.

Sample Name : QC-2-3-A
Laboratory : Coeur d' Alene Lab
Injection Date : 7/1/2021 3:10:57 AM
Vial # : 63
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

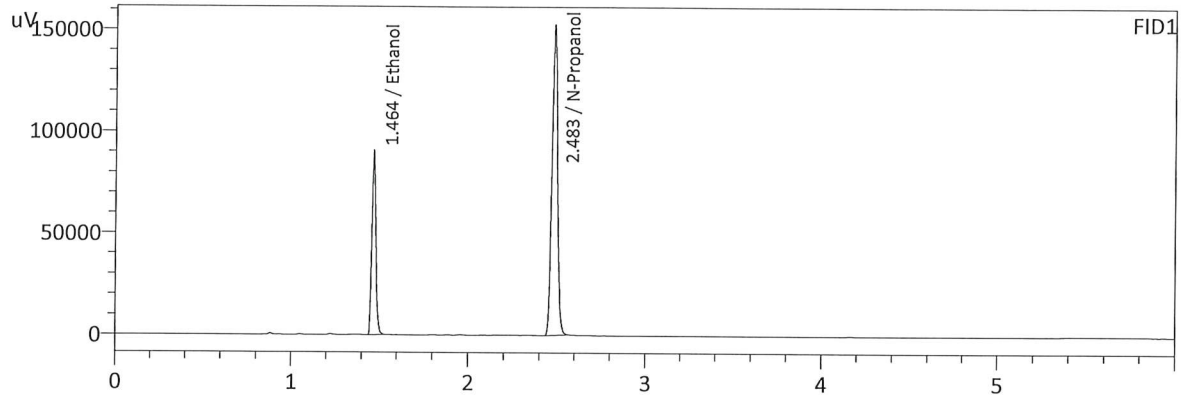
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2064	131078	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	325442	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

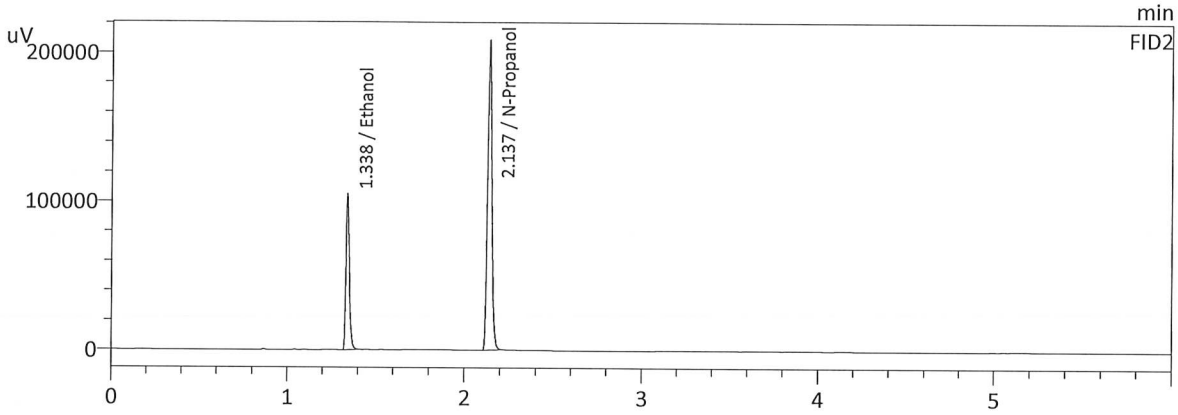
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2055	131465	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	330966	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-3-B
Laboratory : Coeur d' Alene Lab
Injection Date : 7/1/2021 3:19:59 AM
Vial # : 64
Method Filename : C:\LabSolutions\Data\6-30-21\ALCOHOL (short).GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2091	139258	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	341311	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2088	140109	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	346949	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99