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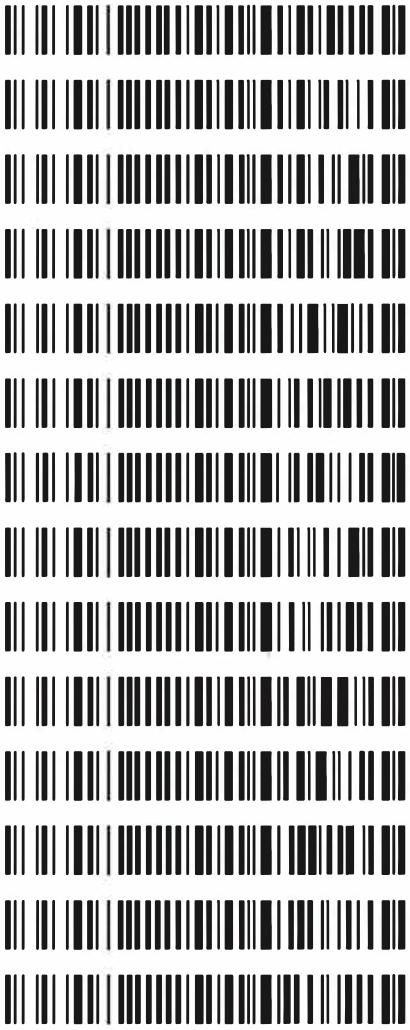
1/18/2023

Worklist: 6216

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2023-0007	1	BCK	Alcohol Analysis
C2023-0010	1	BCK	Alcohol Analysis
C2023-0012	1	BCK	Alcohol Analysis
C2023-0013	1	BCK	Alcohol Analysis
C2023-0057	1	BCK	Alcohol Analysis
C2023-0060	1	BCK	Alcohol Analysis
C2023-0061	1	BCK	Alcohol Analysis
C2023-0084	1	BCK	Alcohol Analysis
C2023-0091	1	BCK	Alcohol Analysis
C2023-0117	1	BCK	Alcohol Analysis
C2023-0119	1	BCK	Alcohol Analysis
C2023-0123	1	BCK	Alcohol Analysis
C2023-0128	1	BCK	Alcohol Analysis
C2023-0136	1	BCK	Alcohol Analysis



This batch file contains a draft of the MDR (multi data report) that is being developed to print with the data from the instrument. There are two typographical errors on that draft document that are indicated by highlight on each MDR within this document. Each case associated with this batch also contains a copy of this draft MDR. The data within the MDR is correct and the typo's do not effect the results of the analysis.

Jeremy Jodrey 1/25/2023

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Region 1 CDA Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255850700
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
78	INT STD BLK 5	0:Unknown	0	ALCOHOL.gcm
79	INT STD BLK 6	0:Unknown	0	ALCOHOL.gcm
80	INT STD BLK 7	0:Unknown	0	ALCOHOL.gcm
81	INT STD BLK 8	0:Unknown	0	ALCOHOL.gcm
82	INT STD BLK 9	0:Unknown	0	ALCOHOL.gcm
83	INT STD BLK 10	0:Unknown	0	ALCOHOL.gcm
1	INT STD BLK 1	0:Unknown	0	ALCOHOL.gcm
2	0.050	1:Standard:(R)	1	ALCOHOL.gcm
3	0.100	1:Standard:(R)	2	ALCOHOL.gcm
4	0.200	1:Standard:(R)	3	ALCOHOL.gcm
5	0.300	1:Standard:(R)	4	ALCOHOL.gcm
6	0.500	1:Standard:(R)	5	ALCOHOL.gcm
7	INT STD BLK 2	0:Unknown	0	ALCOHOL.gcm
8	MULTI-COMP MIX	1:Standard:(R)	6	ALCOHOL.gcm
9	INT STD BLK 3	0:Unknown	0	ALCOHOL.gcm
10	QC-1-1-A	0:Unknown	0	ALCOHOL.gcm
11	QC-1-1-B	0:Unknown	0	ALCOHOL.gcm
12	0.08 QA - A	0:Unknown	0	ALCOHOL.gcm
13	0.08 QA - B	0:Unknown	0	ALCOHOL.gcm
14	C2023-0007-1-A	0:Unknown	0	ALCOHOL.gcm
15	C2023-0007-1-B	0:Unknown	0	ALCOHOL.gcm
16	C2023-0010-1-A	0:Unknown	0	ALCOHOL.gcm
17	C2023-0010-1-B	0:Unknown	0	ALCOHOL.gcm
18	C2023-0012-1-A	0:Unknown	0	ALCOHOL.gcm
19	C2023-0012-1-B	0:Unknown	0	ALCOHOL.gcm
20	C2023-0013-1-A	0:Unknown	0	ALCOHOL.gcm
21	C2023-0013-1-B	0:Unknown	0	ALCOHOL.gcm
22	C2023-0057-1-A	0:Unknown	0	ALCOHOL.gcm
23	C2023-0057-1-B	0:Unknown	0	ALCOHOL.gcm
24	C2023-0060-1-A	0:Unknown	0	ALCOHOL.gcm
25	C2023-0060-1-B	0:Unknown	0	ALCOHOL.gcm
26	C2023-0061-1-A	0:Unknown	0	ALCOHOL.gcm
27	C2023-0061-1-B	0:Unknown	0	ALCOHOL.gcm
28	C2023-0084-1-A	0:Unknown	0	ALCOHOL.gcm
29	C2023-0084-1-B	0:Unknown	0	ALCOHOL.gcm
30	C2023-0091-1-A	0:Unknown	0	ALCOHOL.gcm
31	C2023-0091-1-B	0:Unknown	0	ALCOHOL.gcm
32	QC-1-2-A	0:Unknown	0	ALCOHOL.gcm
33	QC-1-2-B	0:Unknown	0	ALCOHOL.gcm
34	C2023-0117-1-A	0:Unknown	0	ALCOHOL.gcm
35	C2023-0117-1-B	0:Unknown	0	ALCOHOL.gcm
36	C2023-0119-1-A	0:Unknown	0	ALCOHOL.gcm
37	C2023-0119-1-B	0:Unknown	0	ALCOHOL.gcm
38	C2023-0123-1-A	0:Unknown	0	ALCOHOL.gcm
39	C2023-0123-1-B	0:Unknown	0	ALCOHOL.gcm
40	C2023-0128-1-A	0:Unknown	0	ALCOHOL.gcm
41	C2023-0128-1-B	0:Unknown	0	ALCOHOL.gcm
42	C2023-0136-1-A	0:Unknown	0	ALCOHOL.gcm
43	C2023-0136-1-B	0:Unknown	0	ALCOHOL.gcm
44	QC-2-1-A	0:Unknown	0	ALCOHOL.gcm
45	QC-2-1-B	0:Unknown	0	ALCOHOL.gcm
46	INT STD BLK 4	0:Unknown	0	ALCOHOL.gcm

REVIEWED
By Rachel Cutler at 3:36 pm, Jan 25, 2023

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Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 1/20/2023**

Calibration Date: *(if different)*

Worklist #: 6216

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688 - 0.0840	0.0791 g/100cc
					0.0803 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953 - 0.2387	0.2074 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Exp:**	July 31, 2024	**Lot #**	FN04231907		OK
Curve Fit:		**Column 1**	0.99994		**Column2**	0.99987

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0519	0.0527	0.0008	0.0523
100	0.100	0.090 - 0.110	0.0990	0.0988	0.0002	0.0989
200	0.200	0.180 - 0.220	0.1986	0.1980	0.0006	0.1983
300	0.300	0.270 - 0.330	0.2994	0.2990	0.0004	0.2992
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5008	0.5013	0.0005	0.501

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

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Internal Standard Monitoring Worksheet

Worklist #:	6216	Run Date(s):	1/20/2023

Internal Standard Solution: Lot# A014463901	Prep Date:	1/19/2023	Exp Date:	7/19/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	267949	290663
0.080	272899	296565
QC1	271005	294471
QC1	273429	297054
QC1	297638	322099
QC1	286527	310130
QC1		
QC1		
QC2	308130	333798
QC2	304559	329973
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	285267.0	228213.6	342320.4
Column 2	309344.1	247475.3	371213.0

1/25/2023

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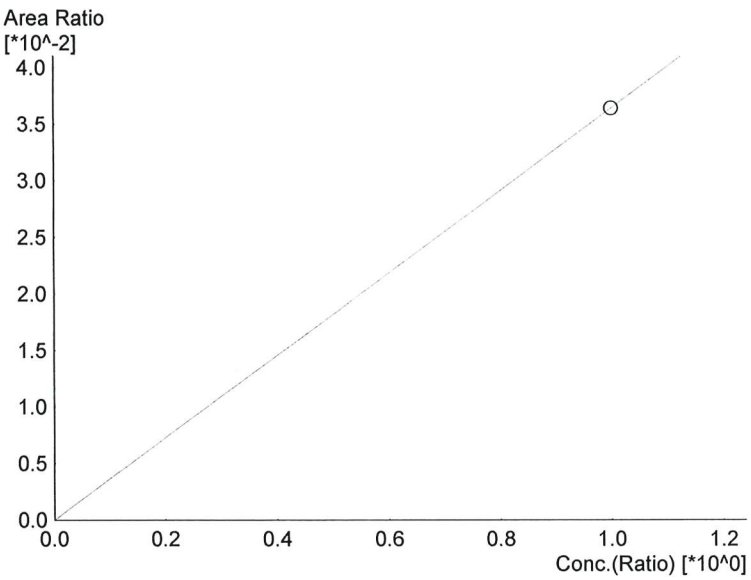
Calibration Table

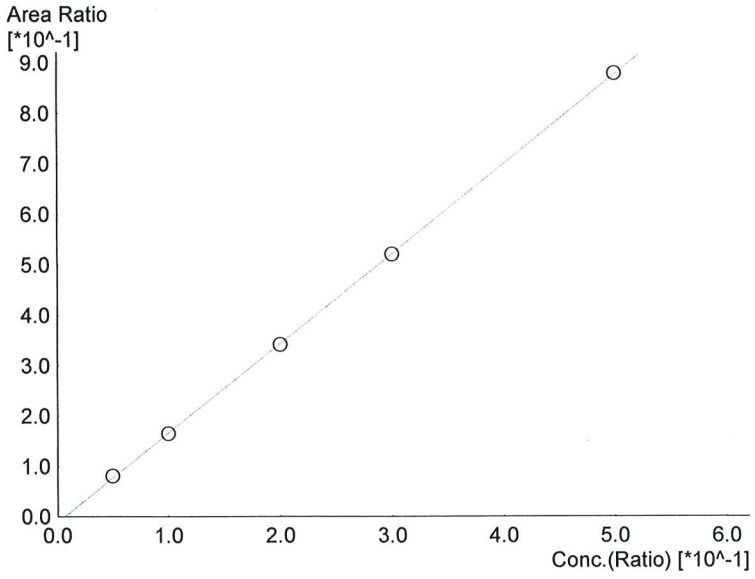
Laboratory : Coeur d' Alene
Instrument Name : BML8F33-Instrument1
Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
Method File :Default Project - ALCOHOL.gcm
Batch File :Default Project - 1-20-23.gcb
Date Acquired :1/20/2023 3:50:20 PM
Date Created :1/20/2023 3:47:43 PM
Date Modified :1/23/2023 10:22:15 AM



Name : Methanol
Detector Name: FID1
Function : f(x)=0.0364244*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	9770	1.0000



Name : Ethanol
Detector Name: FID1
Function : f(x)=1.77922*x-0.0117463
R^2 value= 0.9999410
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20441	0.0516
2	0.100	41907	0.0990
3	0.200	87267	0.1986
4	0.300	134567	0.2994
5	0.500	230181	0.5008

1/25/2023

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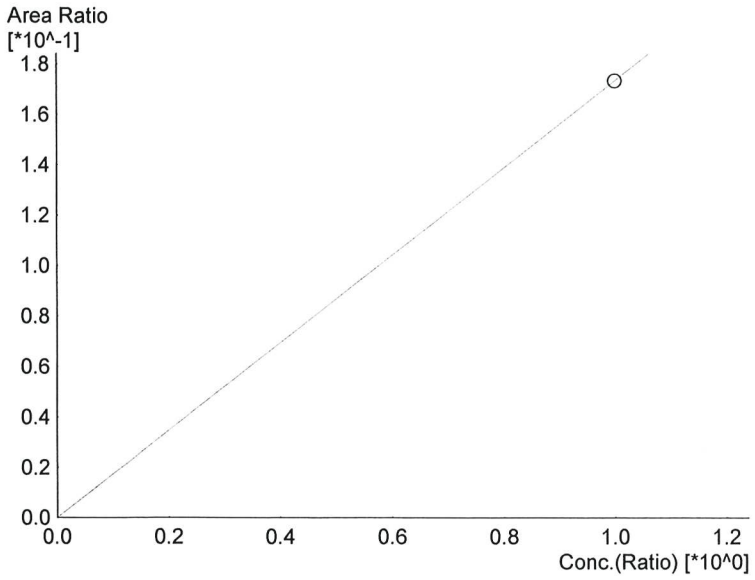
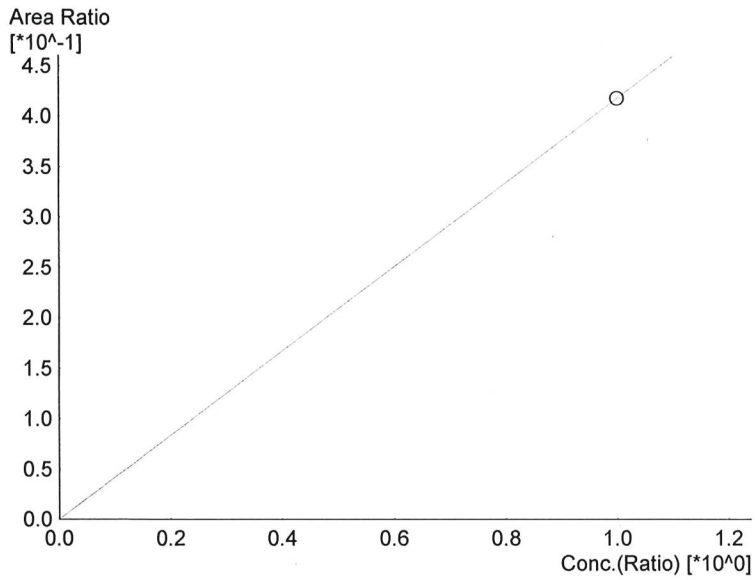


Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0.173381*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	46506	1.0000



Name : Acetone
Detector Name: FID1
Function : f(x)=0.417759*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

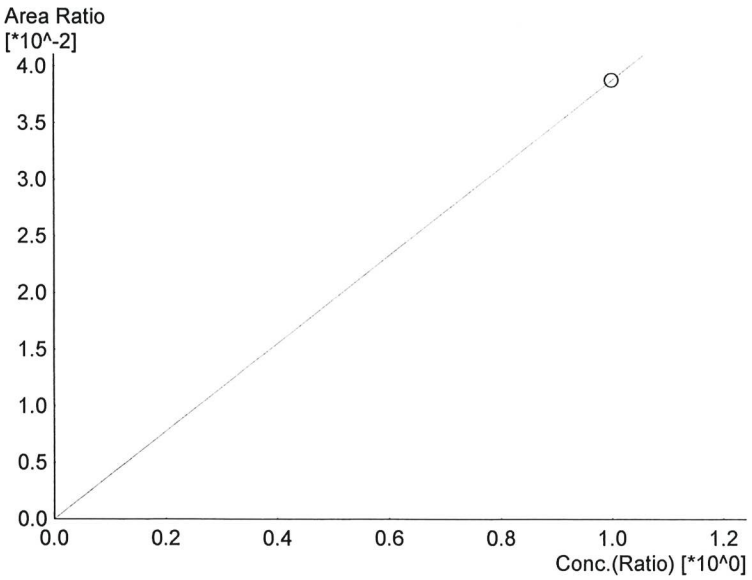
#	Conc.	Area	Std. Conc.
6	1.000	112056	1.0000

Not Ready

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

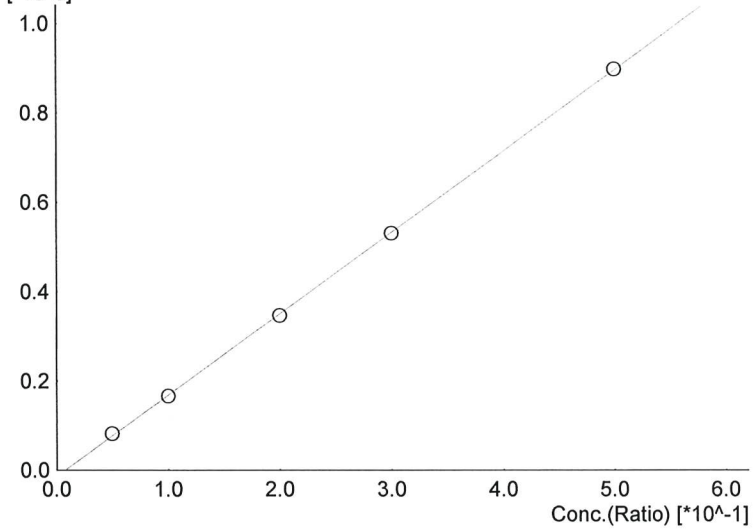
#	Conc.	Area	Std. Conc.

99



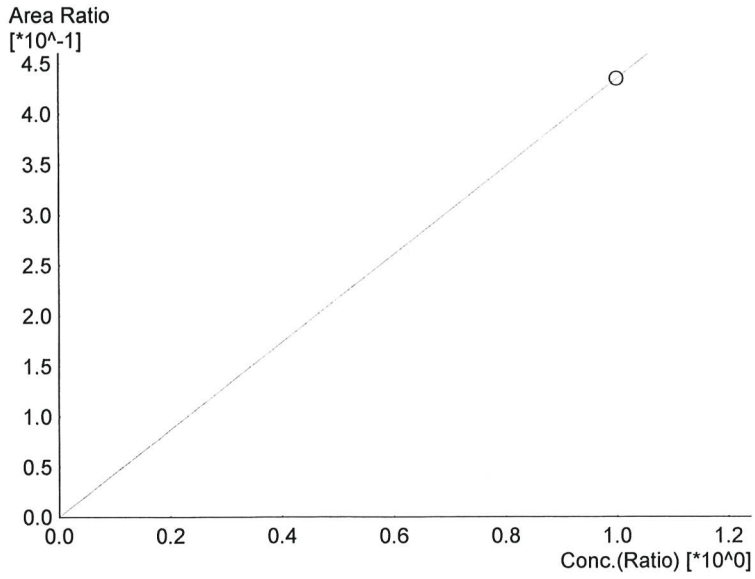
Name : Methanol
Detector Name: FID2
Function : f(x)=0.0387879*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	11267	1.0000



Name : Ethanol
Detector Name: FID2
Function : f(x)=1.82410*x-0.0144459
R^2 value= 0.9998788
FitType: Linear
ZeroThrough: Not Through

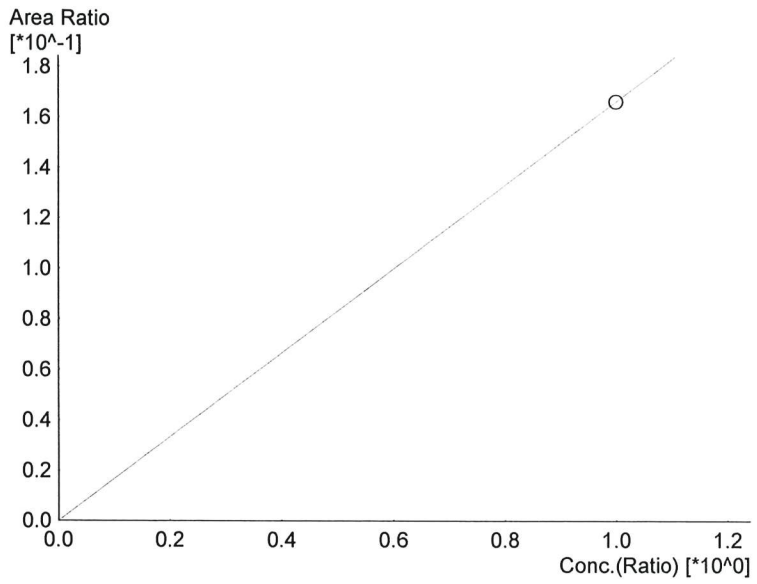
#	Conc.	Area	Std. Conc.
1	0.050	22429	0.0527
2	0.100	45727	0.0988
3	0.200	96051	0.1980
4	0.300	148490	0.2990
5	0.500	255483	0.5013



Name : Acetone
Detector Name: FID2
Function : f(x)=0.435191*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	126413	1.0000

99



Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0.166234*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	48287	1.0000

Not Ready

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.

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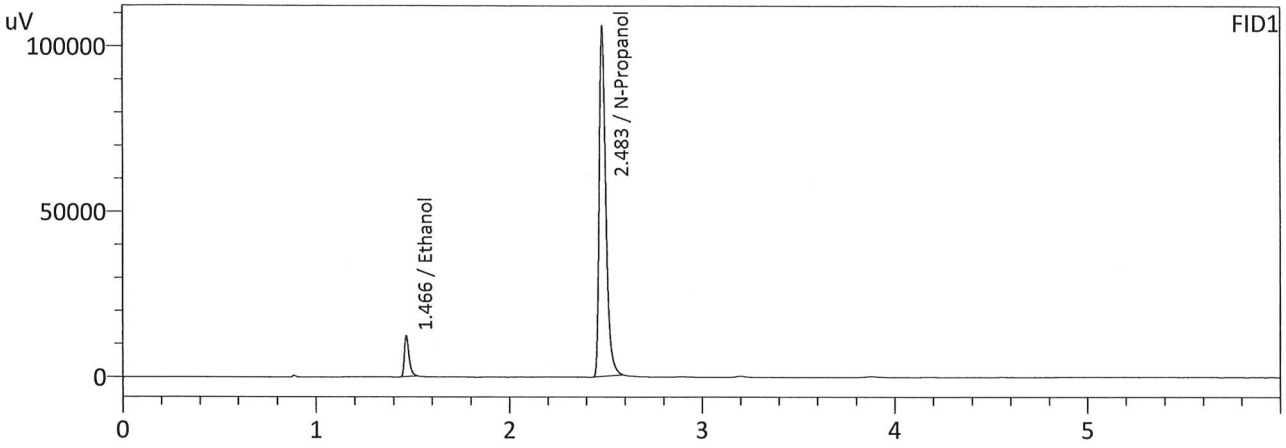
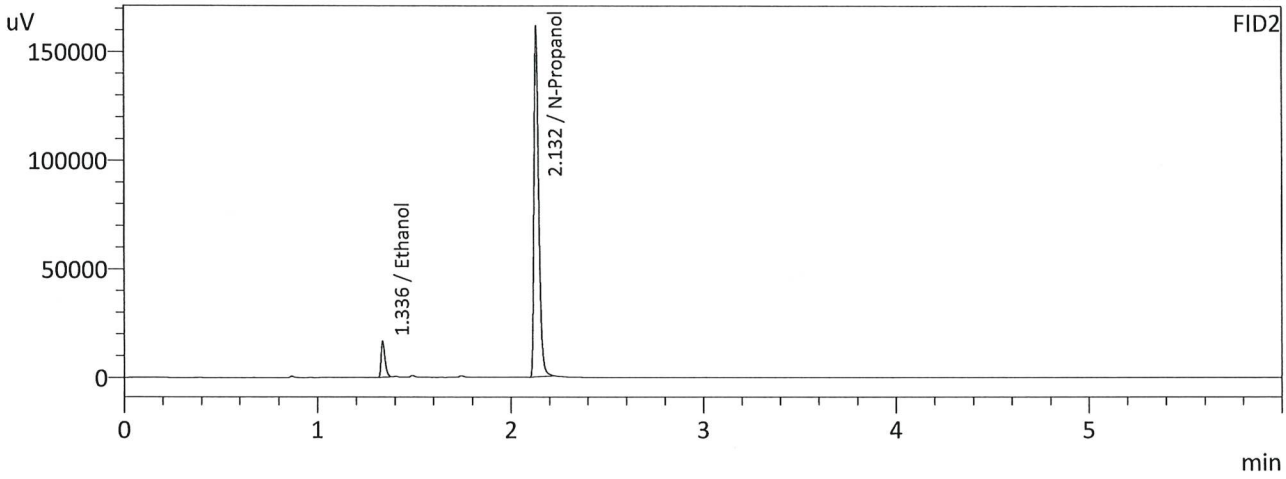
Sample Name : 0.050
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 3:11:32 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0519	20441	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	253263	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0527	22429	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	274208	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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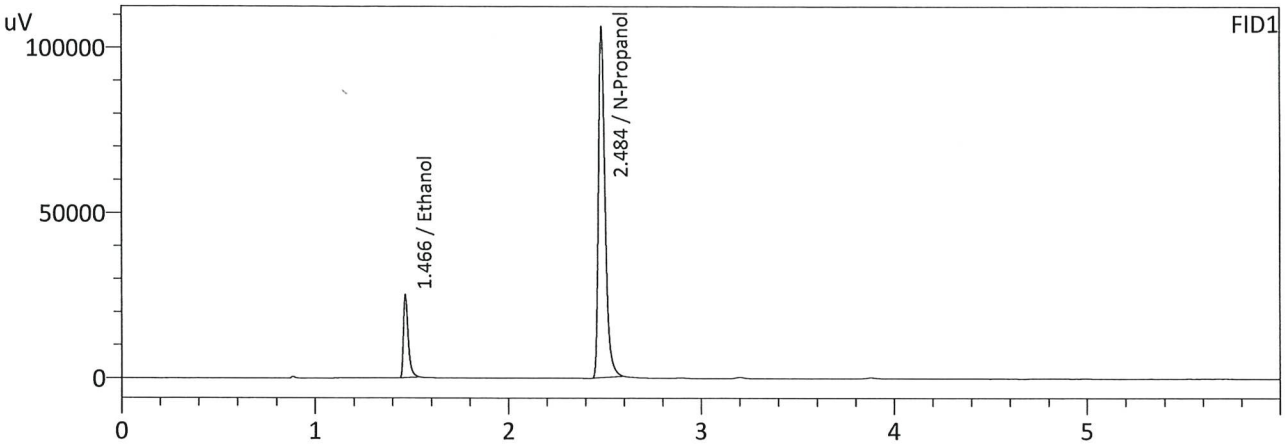
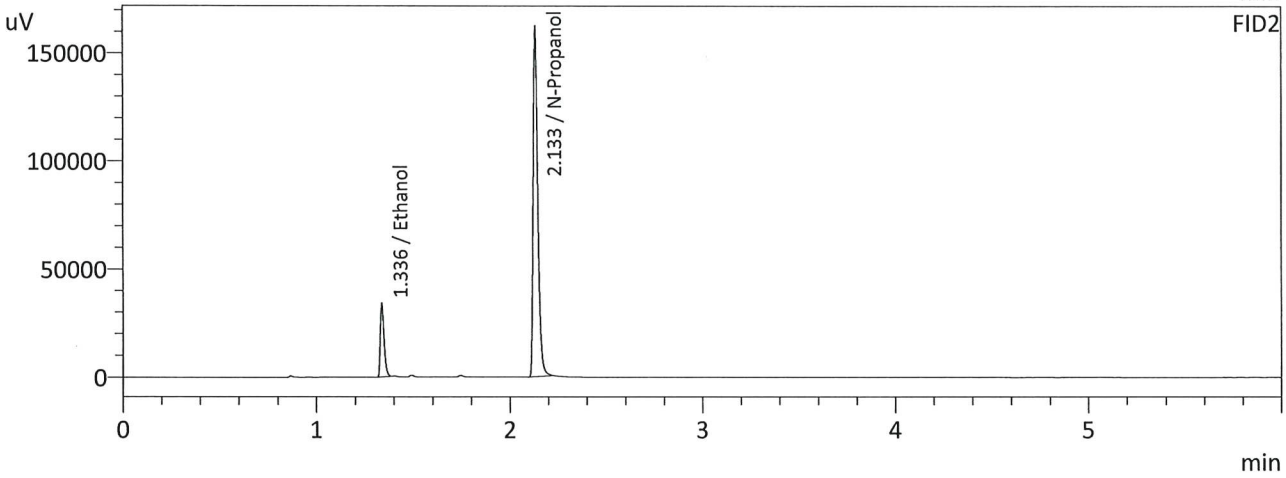
Sample Name : 0.100
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 3:22:15 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0990	41907	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	254720	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0988	45727	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	275664	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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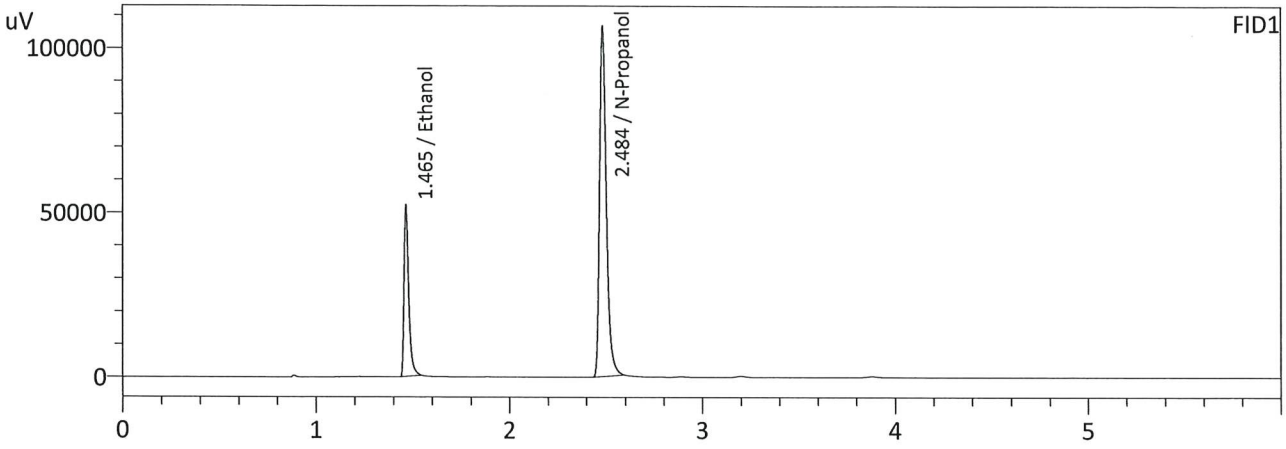
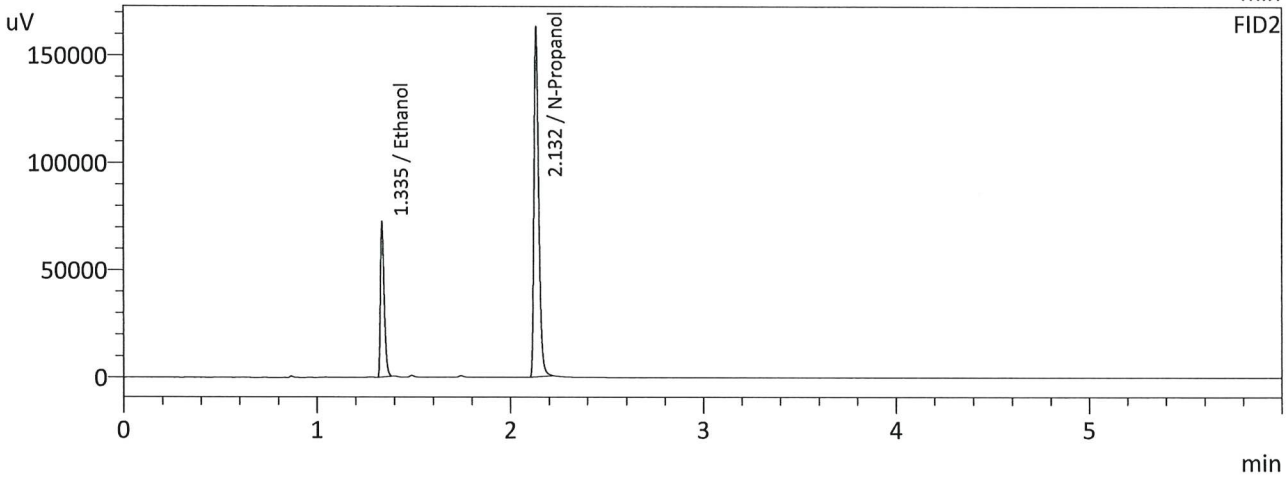
Sample Name : 0.200
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 3:30:55 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1986	87267	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	255347	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1980	96051	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	276959	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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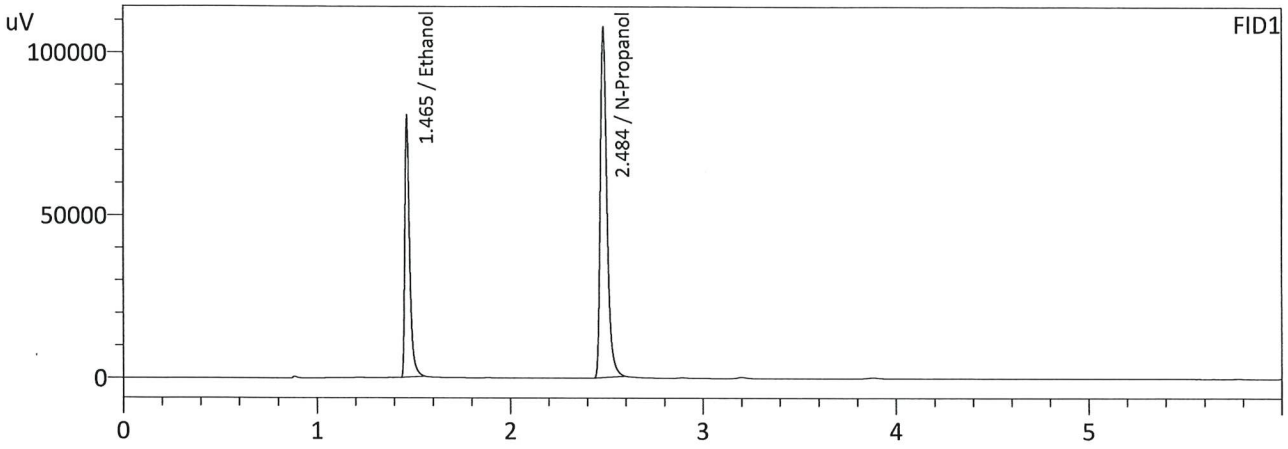
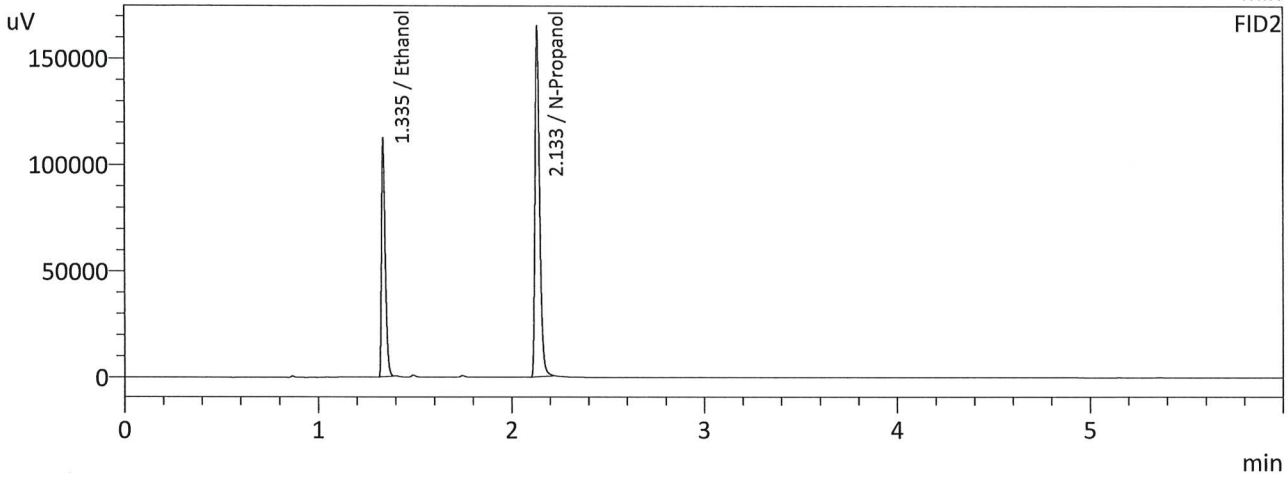
Sample Name : 0.300
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 3:41:40 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2994	134567	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	258298	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2990	148490	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	279659	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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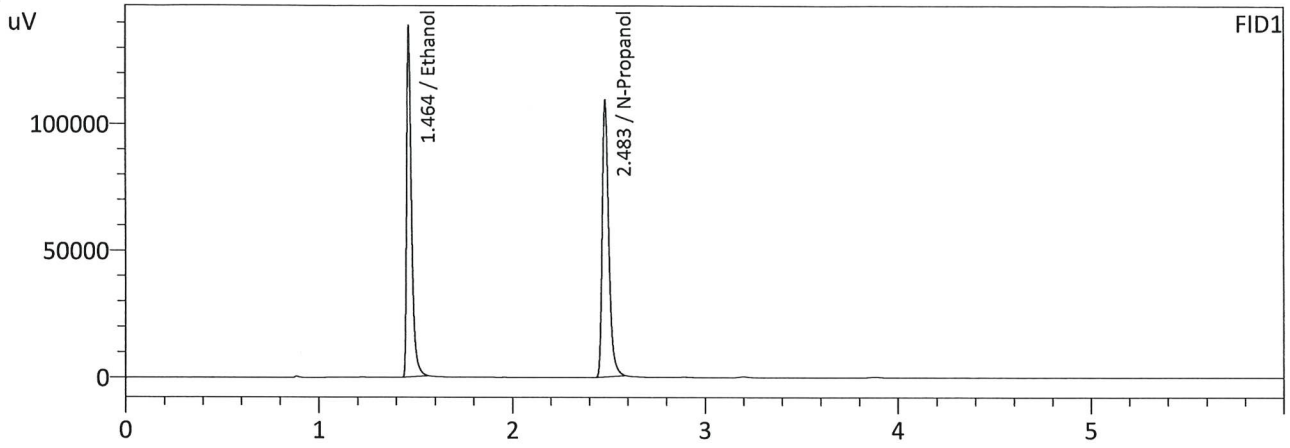
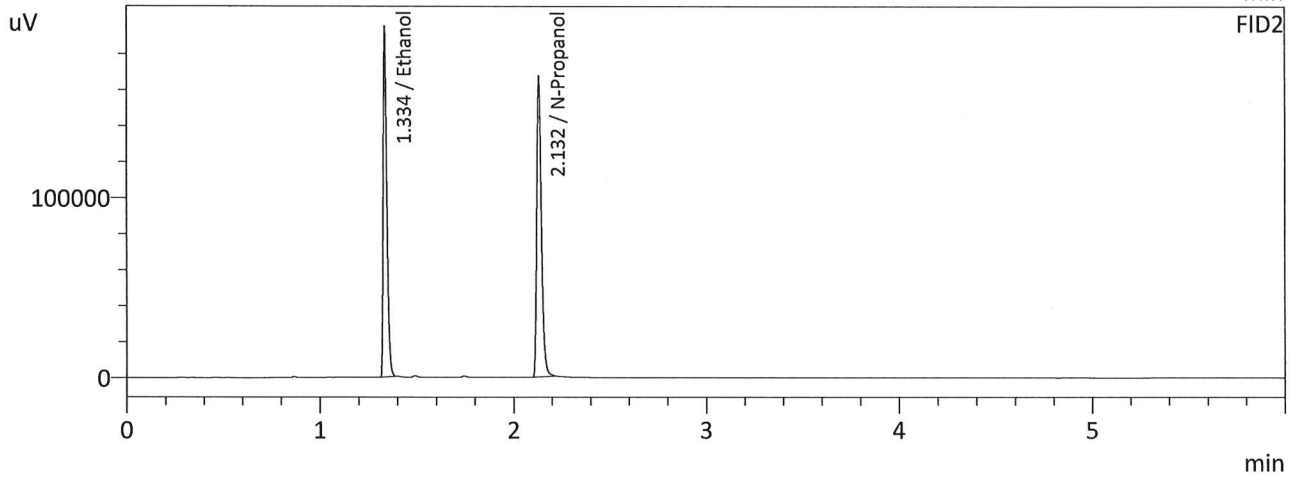
Sample Name : 0.500
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 3:50:20 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5008	230181	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	261745	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5013	255483	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	283859	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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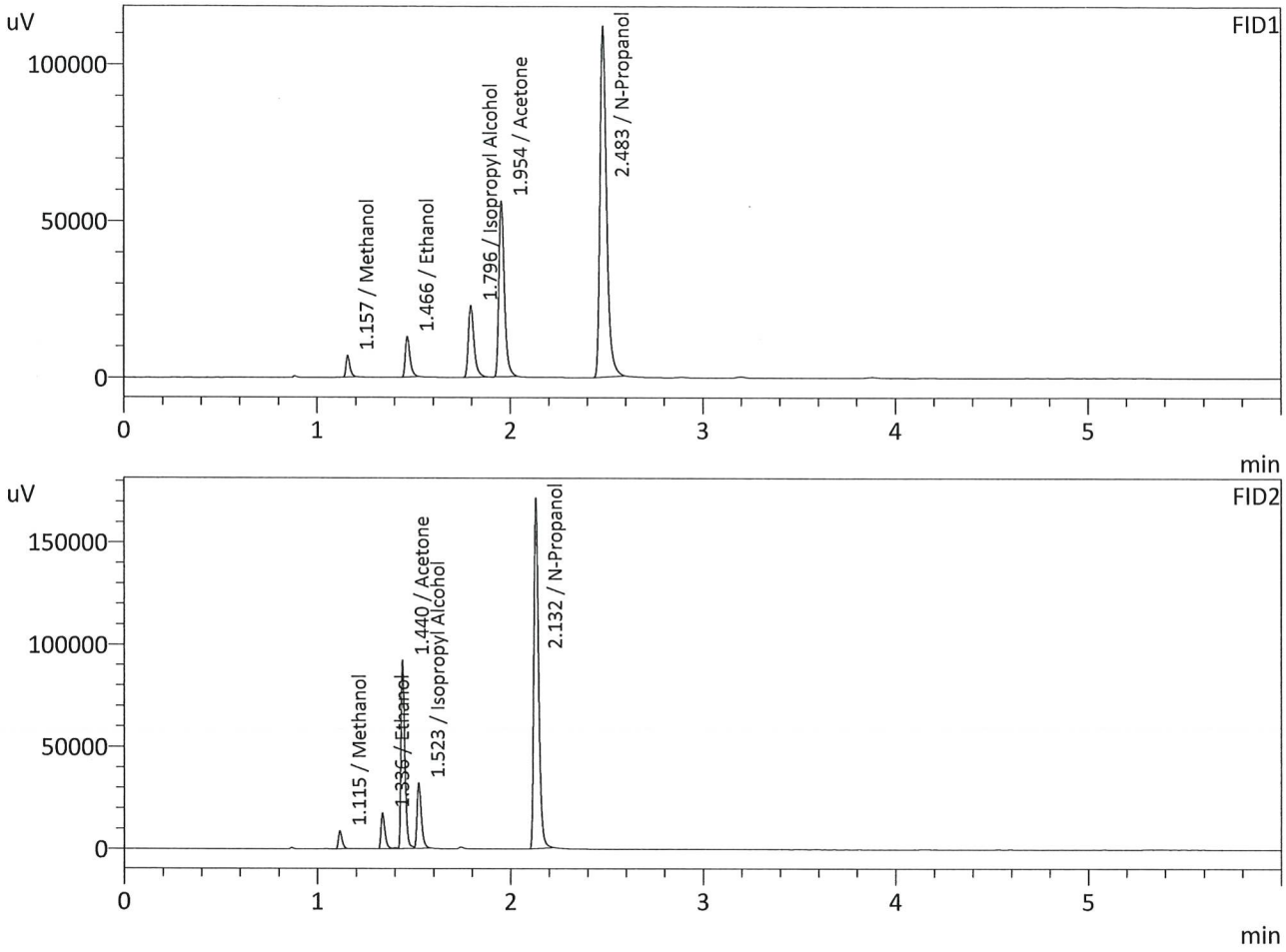
Sample Name : MULTI-COMP MIX
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 4:09:44 PM
Vial # : 8
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

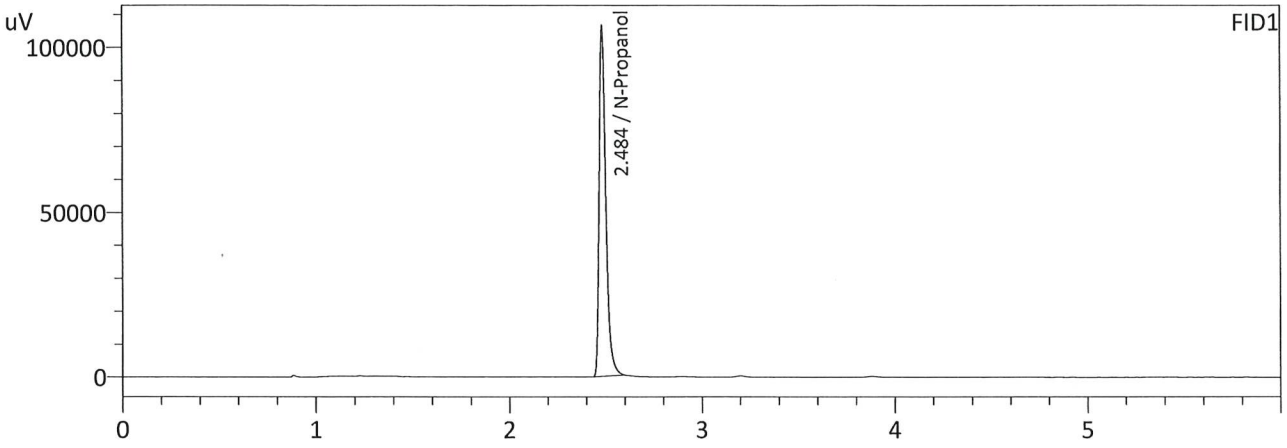
Name	Conc.	Area	Unit
Methanol	1.0000	9770	g/100cc
Ethanol	0.0514	21400	g/100cc
Isopropyl Alcohol	1.0000	46506	g/100cc
Acetone	1.0000	112056	g/100cc
N-Propanol	0.0000	268232	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

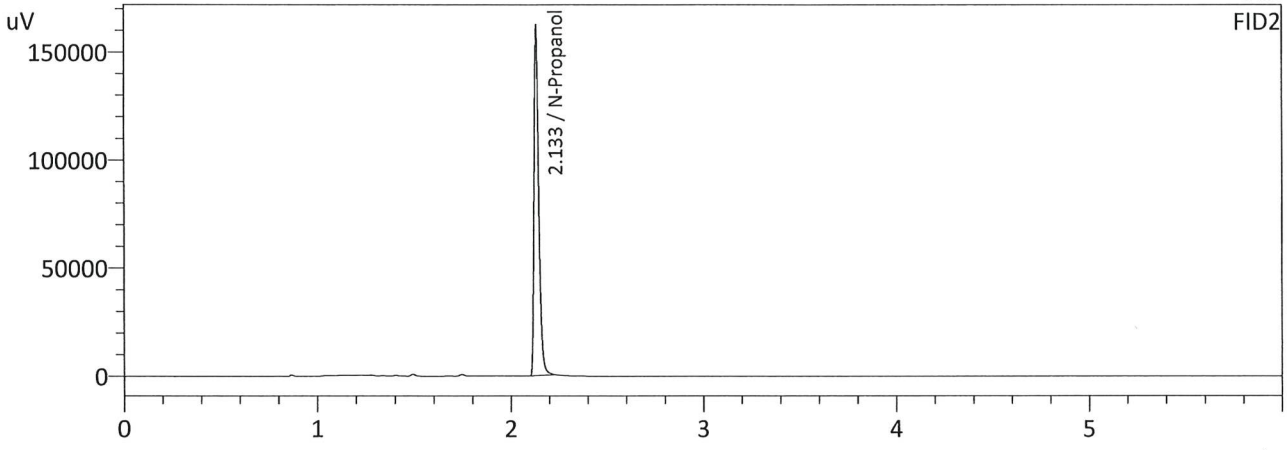
FID2

Name	Conc.	Area	Unit
Methanol	1.0000	11267	g/100cc
Ethanol	0.0530	23932	g/100cc
Acetone	1.0000	126413	g/100cc
Isopropyl Alcohol	1.0000	48287	g/100cc
N-Propanol	0.0000	290477	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 1
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 3:02:51 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

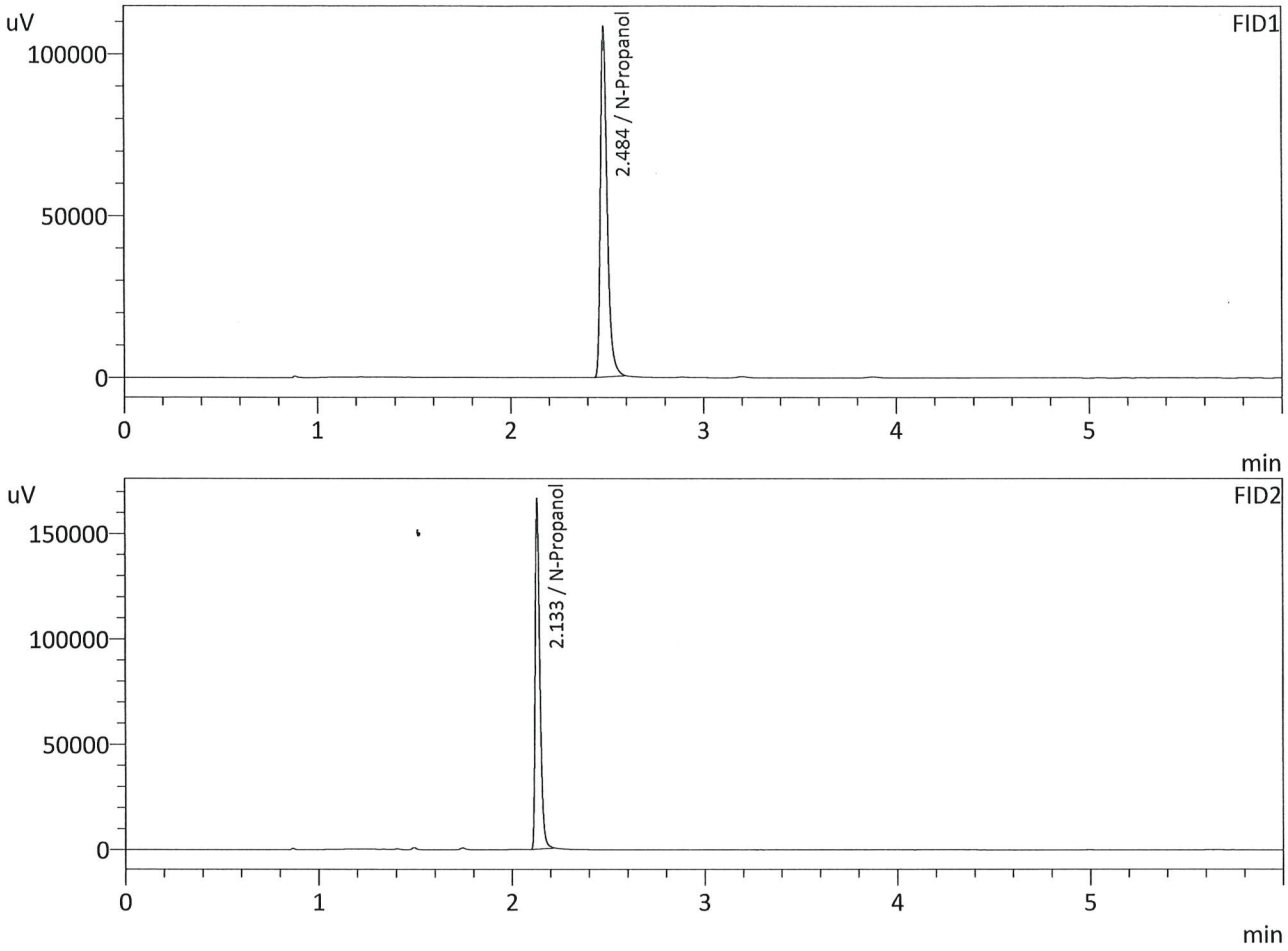
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	254745	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	275118	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 2
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 4:01:03 PM
Vial # : 7
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

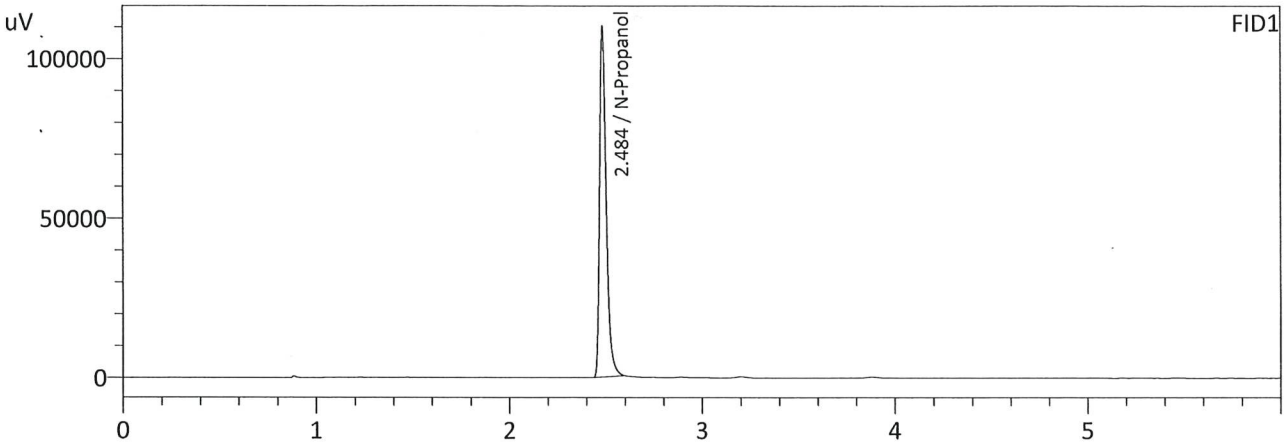
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	260068	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

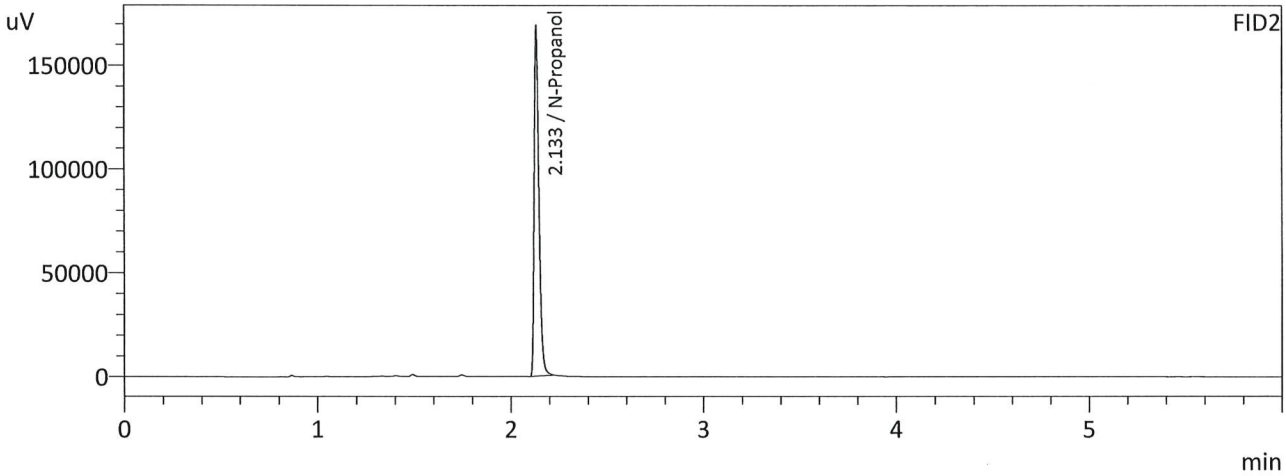
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	282096	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 3
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 4:20:29 PM
Vial # : 9
Method Filename : Default Project - ALCOHOL.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	263706	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	286200	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 **Item # 1** **Analysis Date(s): 1/20/2023**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0807	0.0808	0.0001	0.0807	0.0009	0.0812
(g/100cc)	0.0816	0.0817	0.0001	0.0816		

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
0.081	**0.076**	**0.086**	**0.005**

	Reported Result	
	0.081	**Notes:**

Calibration and control data are stored centrally.

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA - A **Analysis Date(s): 1/20/2023 4:48:34 PM(-08:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0807	0.0808	0.0001	0.0807	0.0009	0.0812
(g/100cc)	0.0816	0.0817	0.0001	0.0816		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrumnet Method: ALCOHOL.gcm

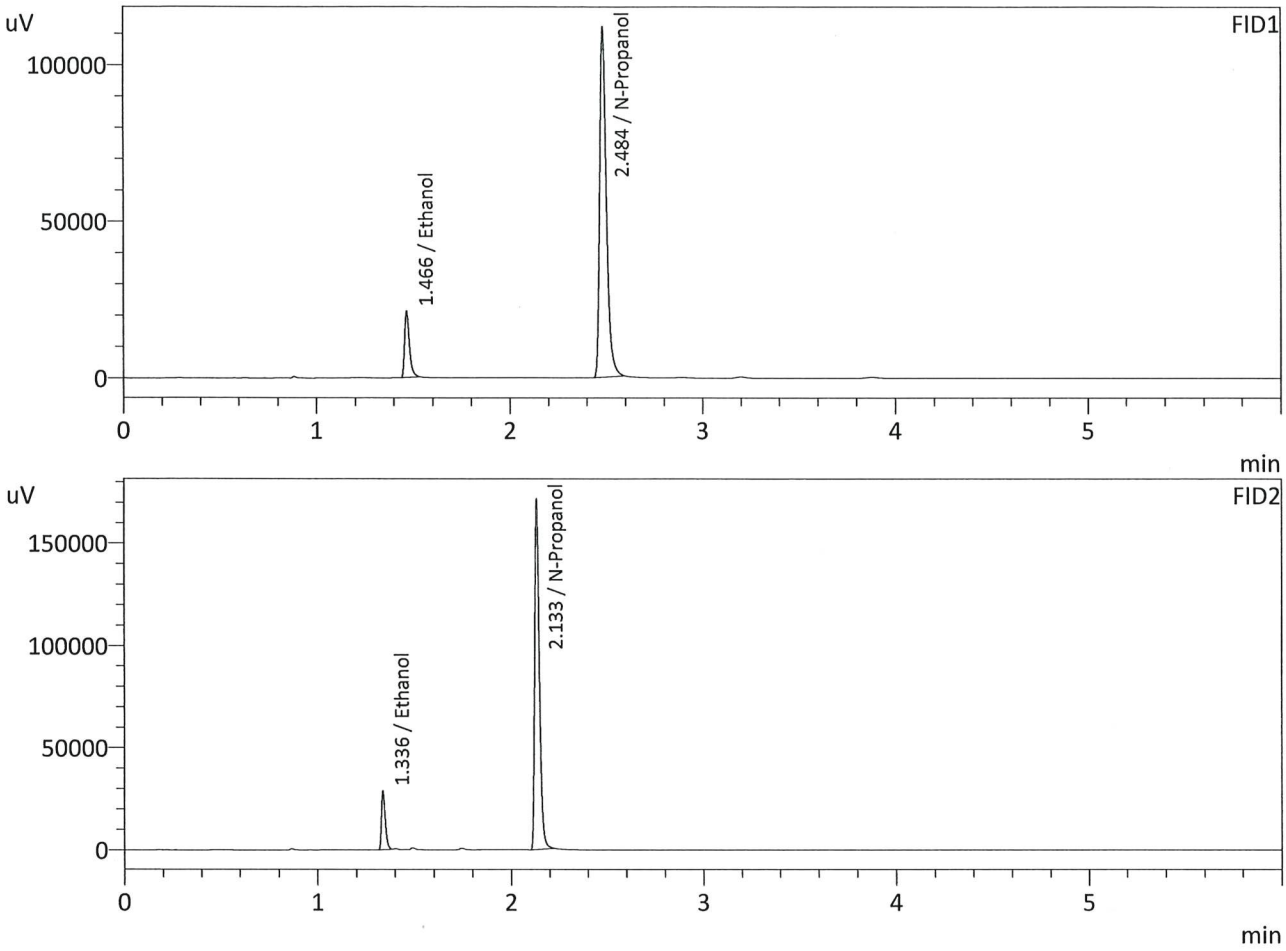
Reporting of Results			Uncertainty of Measurements (UM%): 5.00%
Overall Mean (g/100cc)	Low	High	0.05 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

99

Sample Name : 0.08 QA - A
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 4:48:34 PM
Vial # : 12
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

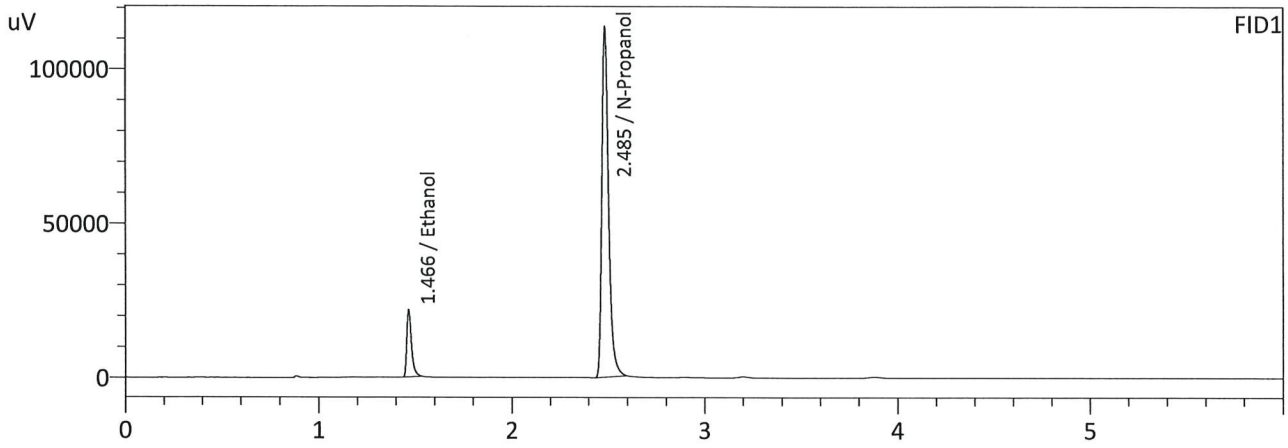
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	35349	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	267949	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

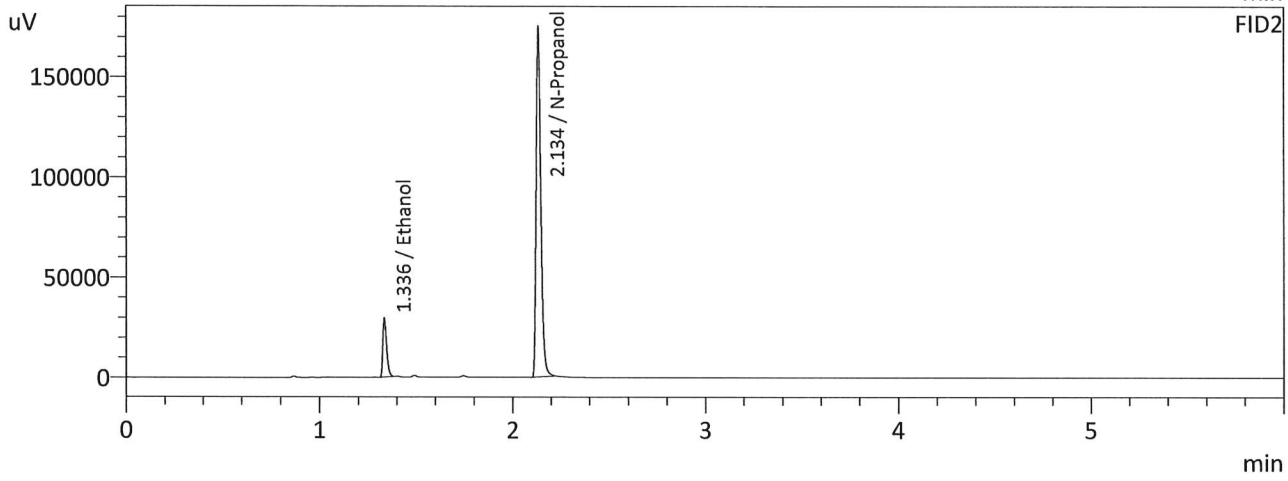
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0808	38673	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	290663	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.08 QA - B
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 4:59:19 PM
Vial # : 13
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	36459	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	272899	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	39931	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	296565	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1 **Item # 1** **Analysis Date(s): 1/20/2023**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0792	0.0000	0.0792	0.0002	0.0791
(g/100cc)	0.0790	0.0791	0.0001	0.0790		

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	**Notes:**

Calibration and control data are stored centrally.

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1-A **Analysis Date(s): 1/20/2023 4:29:09 PM(-08:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0792	0.0000	0.0792	0.0002	0.0791
(g/100cc)	0.0790	0.0791	0.0001	0.079		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrumnet Method: ALCOHOL.gcm

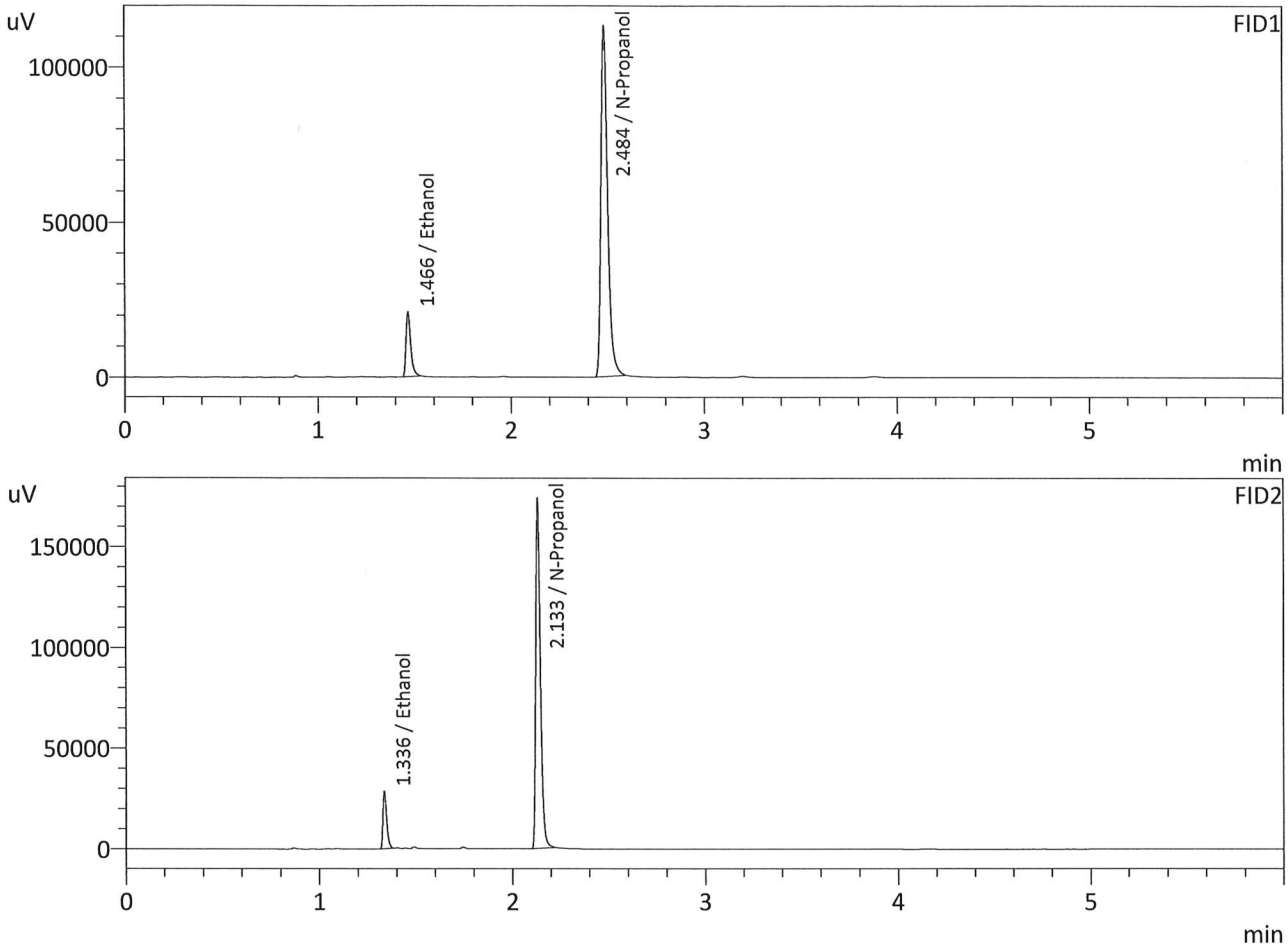
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	0.05 % of Mean
0.079	0.075	0.083	0.004

Reported Results
0.079

Calibration and control data are stored centrally.

99

Sample Name : QC-1-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 4:29:09 PM
Vial # : 10
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

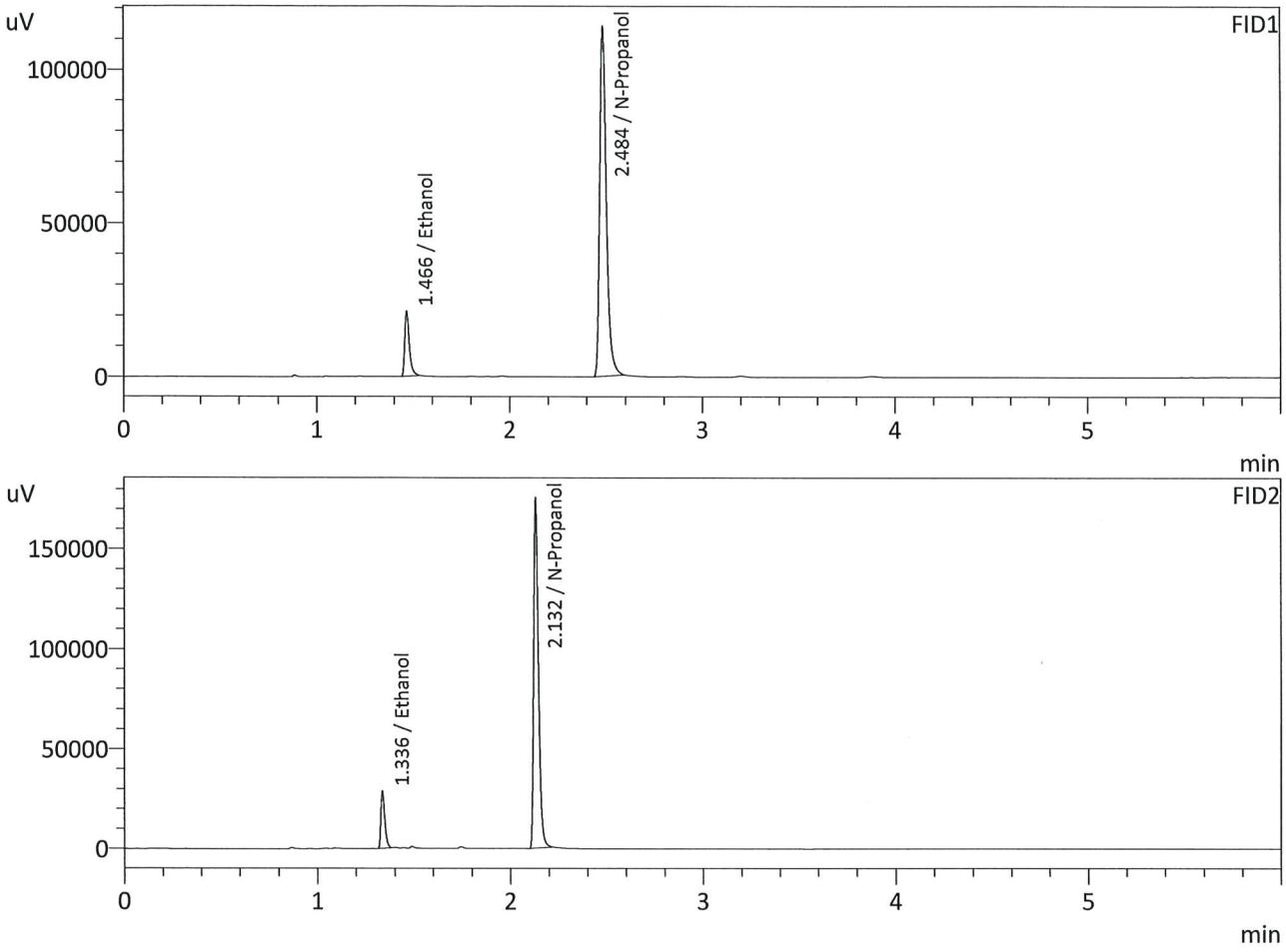
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	35009	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	271005	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	38311	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	294471	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-1-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 4:39:54 PM
Vial # : 11
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0790	35268	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	273429	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0791	38620	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	297054	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2 **Item # 1** **Analysis Date(s): 1/20/2023**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2086	0.2070	0.0016	0.2078	0.0007	0.2074
(g/100cc)	0.2079	0.2064	0.0015	0.2071		

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	Notes:

Calibration and control data are stored centrally.

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1-A **Analysis Date(s): 1/20/2023 9:59:12 PM(-08:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2086	0.2070	0.0016	0.2078	0.0007	0.2074
(g/100cc)	0.2079	0.2064	0.0015	0.2071		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrumnet Method: ALCOHOL.gcm

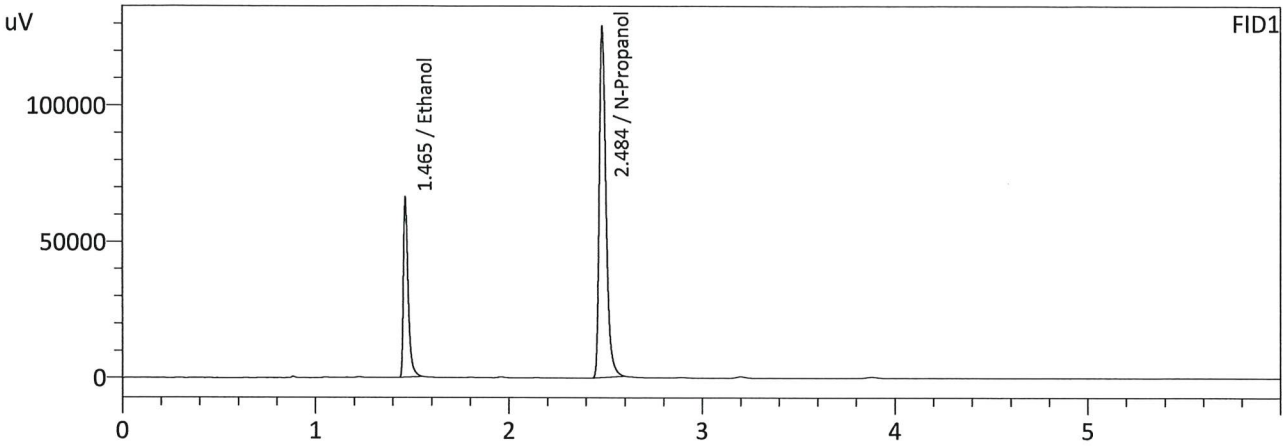
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	0.05 % of Mean
0.207	0.196	0.218	0.011

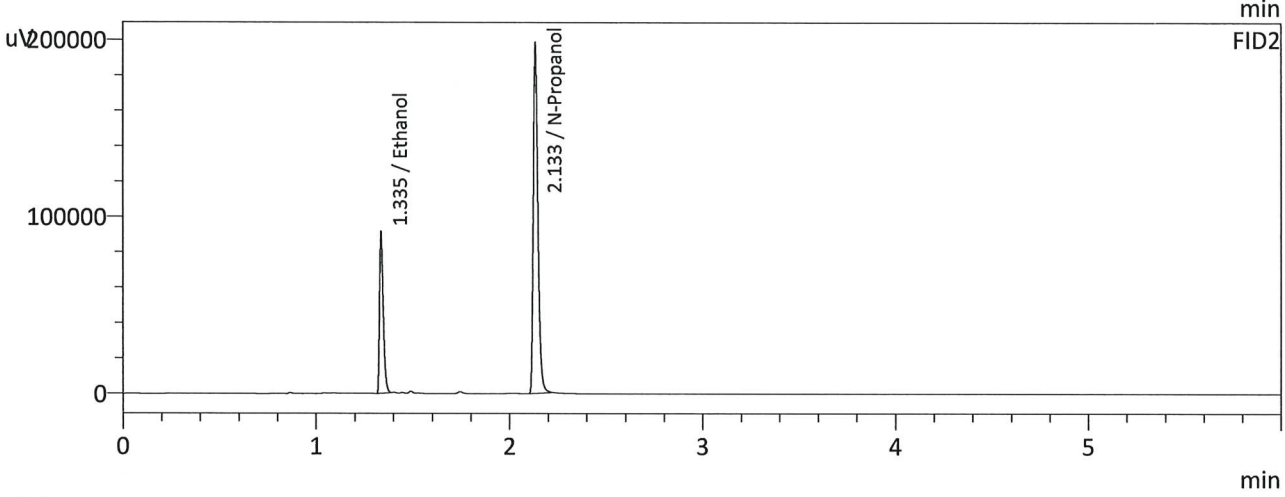
	Reported Results	
	0.207	

Calibration and control data are stored centrally.

99

Sample Name : QC-2-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 9:59:12 PM
Vial # : 44
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

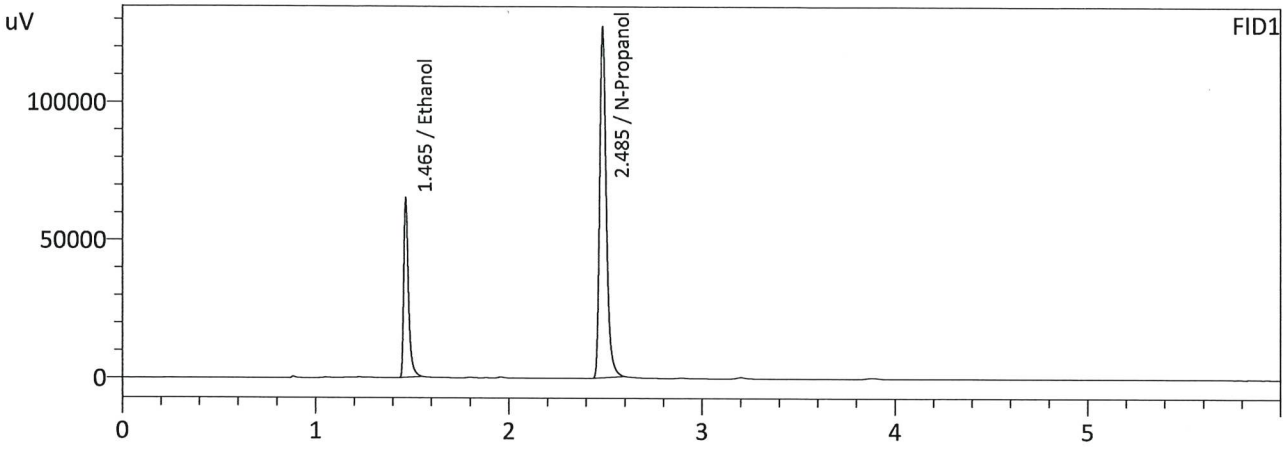
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2086	110756	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	308130	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

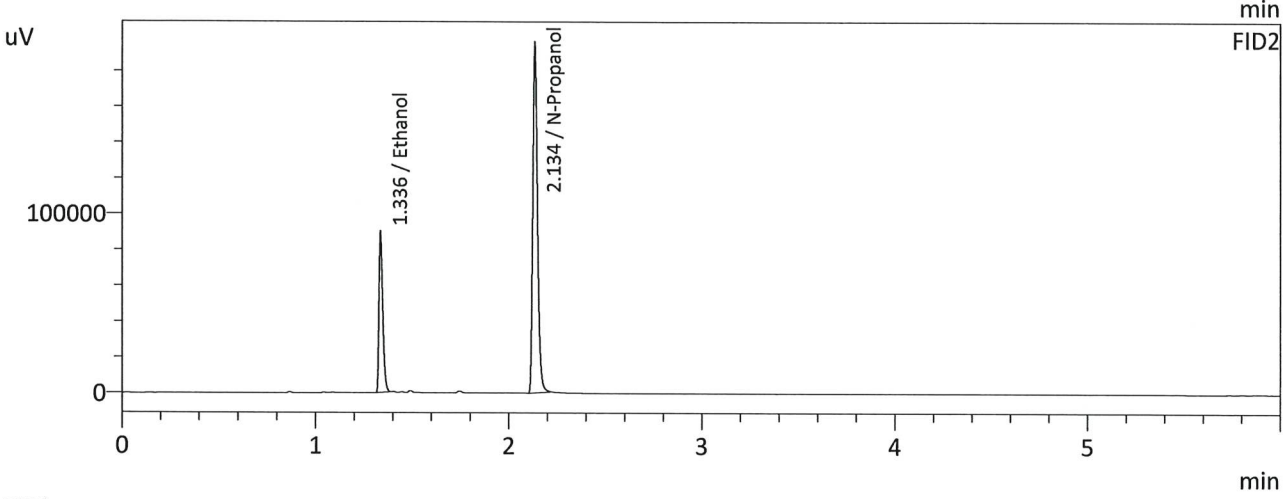
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2070	121236	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	333798	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 10:09:57 PM
Vial # : 45
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2079	109129	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	304559	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2064	119500	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	329973	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1 **Item # 2** **Analysis Date(s): 1/20/2023**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0803	0.0001	0.0803	0.0001	0.0803
(g/100cc)	0.0803	0.0802	0.0001	0.0802		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

	Reported Result	Notes:
	0.080	

Calibration and control data are stored centrally.

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2-A **Analysis Date(s): 1/20/2023 8:02:40 PM(-08:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0803	0.0001	0.0803	0.0001	0.0803
(g/100cc)	0.0803	0.0802	0.0001	0.0802		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrumnet Method: ALCOHOL.gcm

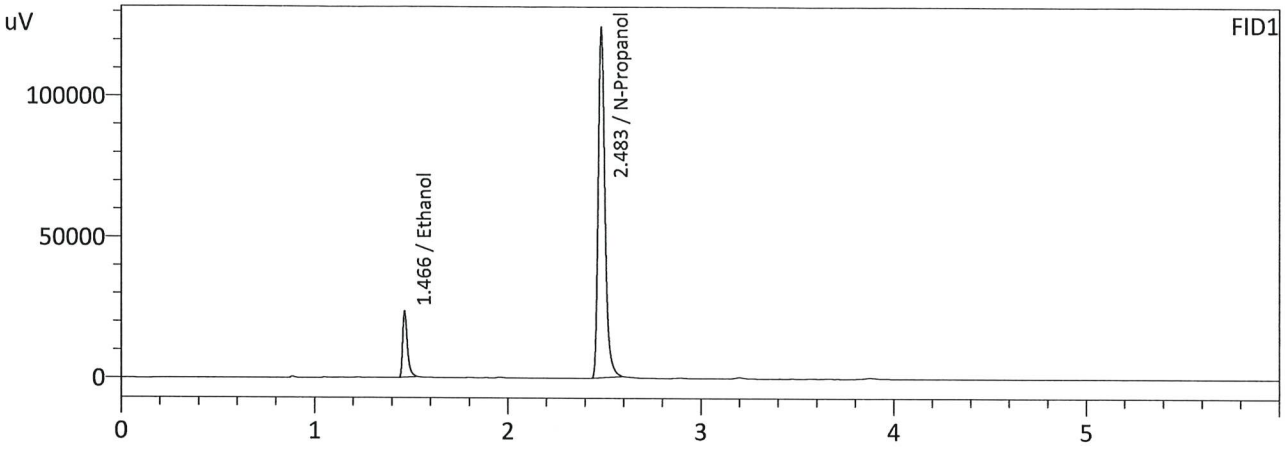
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	0.05 % of Mean
0.08	0.076	0.084	0.004

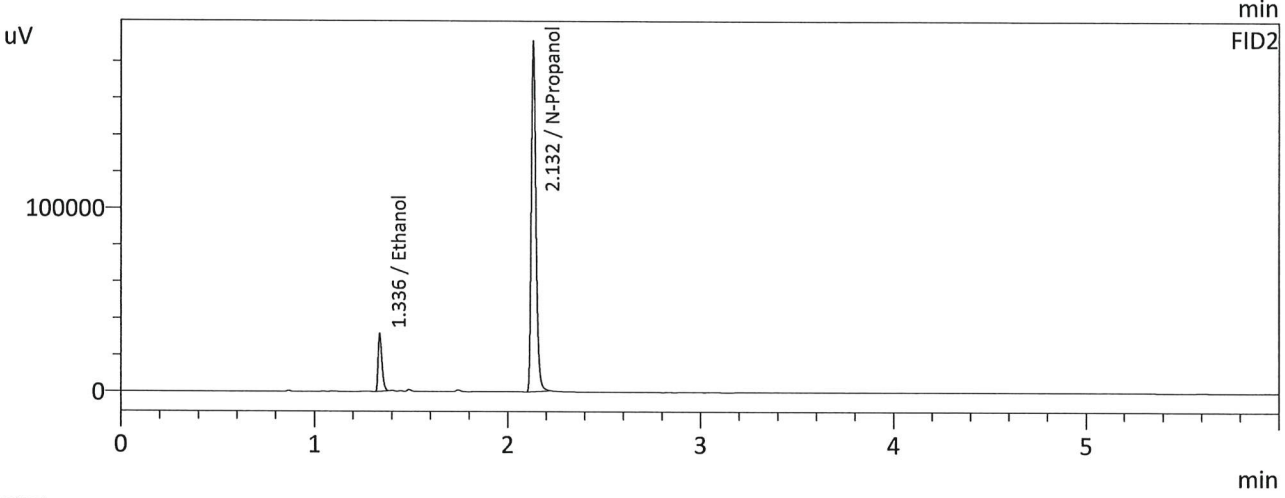
Reported Results
0.080

Calibration and control data are stored centrally.

99

Sample Name : QC-1-2-A
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 8:02:40 PM
Vial # : 32
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

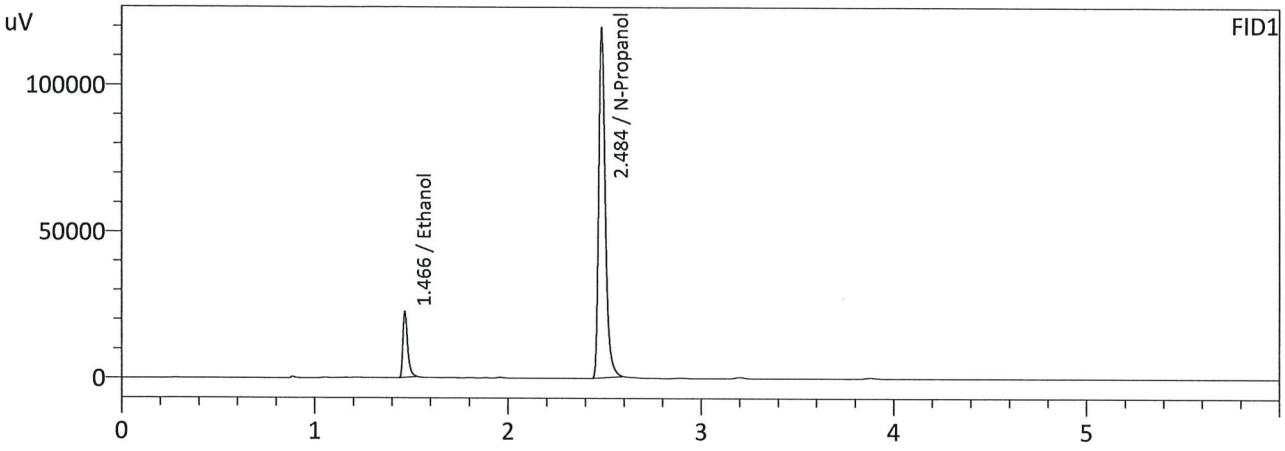
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0804	39119	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	297638	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

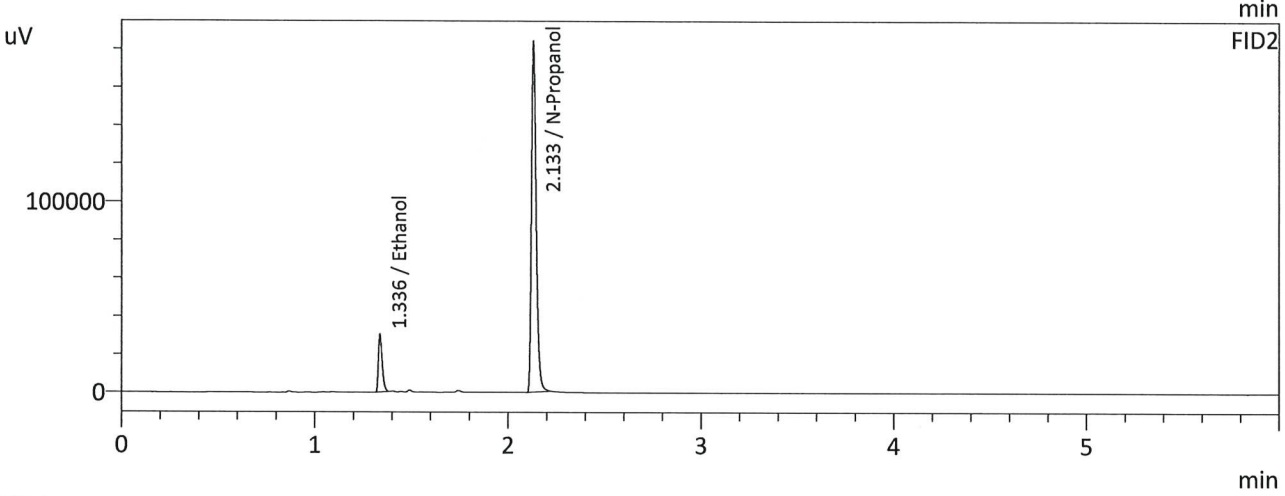
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	42585	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	322099	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-1-2-B
Laboratory : Coeur d' Alene Lab
Injection Date : 1/20/2023 8:13:25 PM
Vial # : 33
Method Filename : Default Project - ALCOHOL.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	37583	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	286527	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0802	40897	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	310130	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc