





















Worklist: 6258

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2023-0268	1	BCK	Alcohol Analysis	
C2023-0295	1	BCK	Alcohol Analysis	
C2023-0305	1	BCK	Alcohol Analysis	
C2023-0322	1	BCK	Alcohol Analysis	
C2023-0342	1	BCK	Alcohol Analysis	
C2023-0346	1	BCK	Alcohol Analysis	
C2023-0379	1	BCK	Alcohol Analysis	
C2023-0383	1	BCK	Alcohol Analysis	
C2023-0384	1	BCK	Alcohol Analysis	
C2023-0389	1	BCK	Alcohol Analysis	
C2023-0397	1	BCK	Alcohol Analysis	
C2023-0398	1	BCK	Alcohol Analysis	
C2023-0407	1	BCK	Alcohol Analysis	
C2023-0410	1	BCK	Alcohol Analysis	
C2023-0411	1	BCK	Alcohol Analysis	
C2023-0426	1	BCK	Alcohol Analysis	
C2023-0434	2	BCK	Alcohol Analysis	
C2023-0435	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):

2/28/2023

Calibration Date: (if different)

Worklist #:

6258

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Feb-25	2101199	0.0808	0.0727 - 0.0889	0.0805 g/100cc	
					g/100cc	
					g/100cc	
Level 2	Jul-23	1907007	0.2170	0.1953 - 0.2387	0.2067 g/100cc	
					0.2085 g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	July 31, 2024	Lot #	FN04231907	OK
Curve Fit:			Column 1	0.99994	Column2	0.99989

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0516	0.0521	0.0005	0.0518
100	0.100	0.090 - 0.110	0.0997	0.0999	0.0002	0.0998
200	0.200	0.180 - 0.220	0.1981	0.1972	0.0011	0.1976
300	0.300	0.270 - 0.330	0.2995	0.2995	0	0.2995
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5008	0.5011	0.0003	0.5009

Aqueous Controls

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

REVIEWED

By Galina Giso at 11:11 am, Mar 03, 2023

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

99

Internal Standard Monitoring Worksheet

Worklist #:	6258	Run Date(s):	2/28/2023
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Internal Standard Solution: Lot# A014463901	Prep Date: 1/19/2023	Exp Date: 7/19/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	265628	288309
0.080	265949	288953
QC1	263672	286103
QC1	265417	287699
QC1		
QC1		
QC1		
QC1		
QC2	292381	318057
QC2	290712	316436
QC2	309023	334045
QC2	311954	337916
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	283092.0	226473.6	339710.4
Column 2	307189.8	245751.8	368627.7

99

Region 1 CDA Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255850700
 Shimadzu HS-20 Serial #C12595700181
 Lab Solutions Software Ver. 5.99
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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	0:Unknown	0	ALCOHOL.gcm
11	QC-1-1-B	0:Unknown	0	ALCOHOL.gcm
12	0.08 QA	0:Unknown	0	ALCOHOL.gcm
13	0.08 QA - B	0:Unknown	0	ALCOHOL.gcm
14	C2023-0268-1	0:Unknown	0	ALCOHOL.gcm
15	C2023-0268-1-B	0:Unknown	0	ALCOHOL.gcm
16	C2023-0295-1	0:Unknown	0	ALCOHOL.gcm
17	C2023-0295-1-B	0:Unknown	0	ALCOHOL.gcm
18	C2023-0305-1	0:Unknown	0	ALCOHOL.gcm
19	C2023-0305-1-B	0:Unknown	0	ALCOHOL.gcm
20	C2023-0322-1	0:Unknown	0	ALCOHOL.gcm
21	C2023-0322-1-B	0:Unknown	0	ALCOHOL.gcm
22	C2023-0342-1	0:Unknown	0	ALCOHOL.gcm
23	C2023-0342-1-B	0:Unknown	0	ALCOHOL.gcm
24	C2023-0346-1	0:Unknown	0	ALCOHOL.gcm
25	C2023-0346-1-B	0:Unknown	0	ALCOHOL.gcm
26	C2023-0379-1	0:Unknown	0	ALCOHOL.gcm
27	C2023-0379-1-B	0:Unknown	0	ALCOHOL.gcm
28	C2023-0383-1	0:Unknown	0	ALCOHOL.gcm
29	C2023-0383-1-B	0:Unknown	0	ALCOHOL.gcm
30	C2023-0384-1	0:Unknown	0	ALCOHOL.gcm
31	C2023-0384-1-B	0:Unknown	0	ALCOHOL.gcm
32	QC-2-1	0:Unknown	0	ALCOHOL.gcm
33	QC-2-1-B	0:Unknown	0	ALCOHOL.gcm
34	C2023-0389-1	0:Unknown	0	ALCOHOL.gcm
35	C2023-0389-1-B	0:Unknown	0	ALCOHOL.gcm
36	C2023-0397-1	0:Unknown	0	ALCOHOL.gcm
37	C2023-0397-1-B	0:Unknown	0	ALCOHOL.gcm
38	C2023-0398-1	0:Unknown	0	ALCOHOL.gcm
39	C2023-0398-1-B	0:Unknown	0	ALCOHOL.gcm
40	C2023-0407-1	0:Unknown	0	ALCOHOL.gcm
41	C2023-0407-1-B	0:Unknown	0	ALCOHOL.gcm
42	C2023-0410-1	0:Unknown	0	ALCOHOL.gcm
43	C2023-0410-1-B	0:Unknown	0	ALCOHOL.gcm
44	C2023-0411-1	0:Unknown	0	ALCOHOL.gcm
45	C2023-0411-1-B	0:Unknown	0	ALCOHOL.gcm
46	C2023-0426-1	0:Unknown	0	ALCOHOL.gcm
47	C2023-0426-1-B	0:Unknown	0	ALCOHOL.gcm
48	C2023-0434-2	0:Unknown	0	ALCOHOL.gcm
49	C2023-0434-2-B	0:Unknown	0	ALCOHOL.gcm
50	C2023-0435-1	0:Unknown	0	ALCOHOL.gcm
51	C2023-0435-1-B	0:Unknown	0	ALCOHOL.gcm
52	QC-2-2	0:Unknown	0	ALCOHOL.gcm
53	QC-2-2-B	0:Unknown	0	ALCOHOL.gcm

99

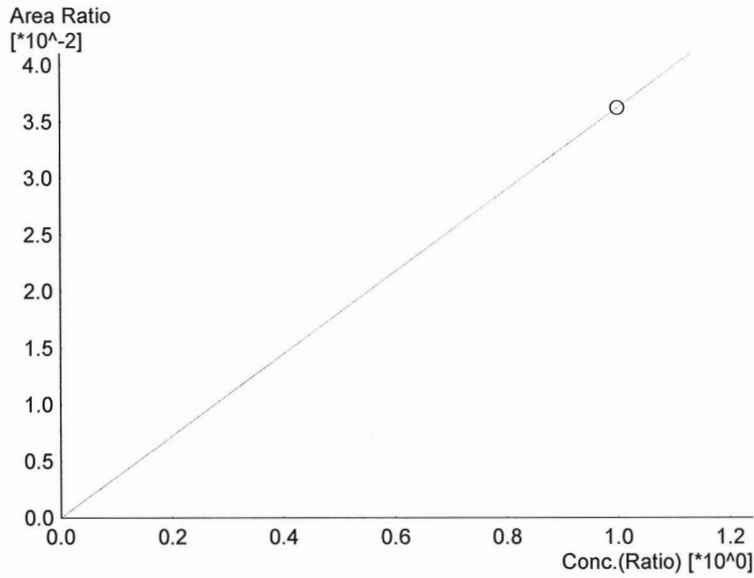
Vial#	Sample Name	Sample Type	Level#	Method File
54	INT STD BLK 4	0:Unknown	0	ALCOHOL.gcm

99

Calibration Table

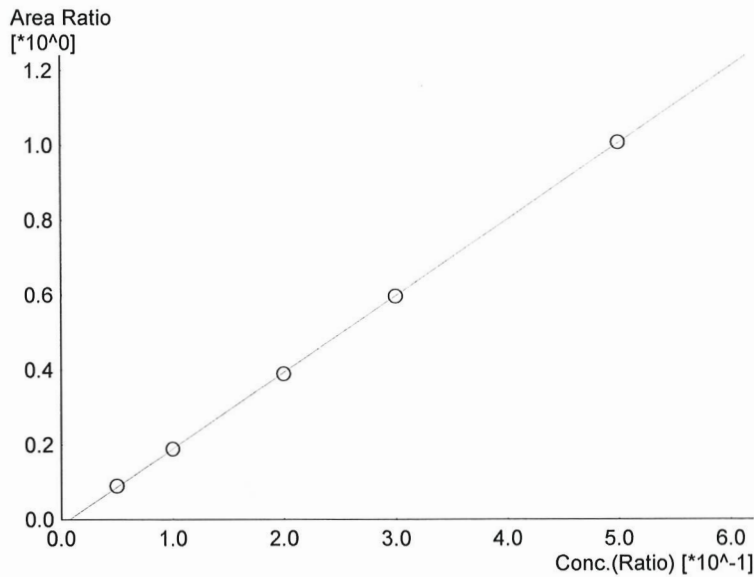
Laboratory : Coeur d' Alene
 Instrument Name : BML8F33-Instrument1
 Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
 Method File :Default Project - ALCOHOL.gcm
 Batch File :Default Project - 2-28-2023.gcb
 Date Acquired :2/28/2023 1:58:30 PM
 Date Created :2/28/2023 1:55:29 PM
 Date Modified :2/28/2023 2:04:32 PM



Name : Methanol
 Detector Name: FID1
 Function : $f(x)=0.0362101*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

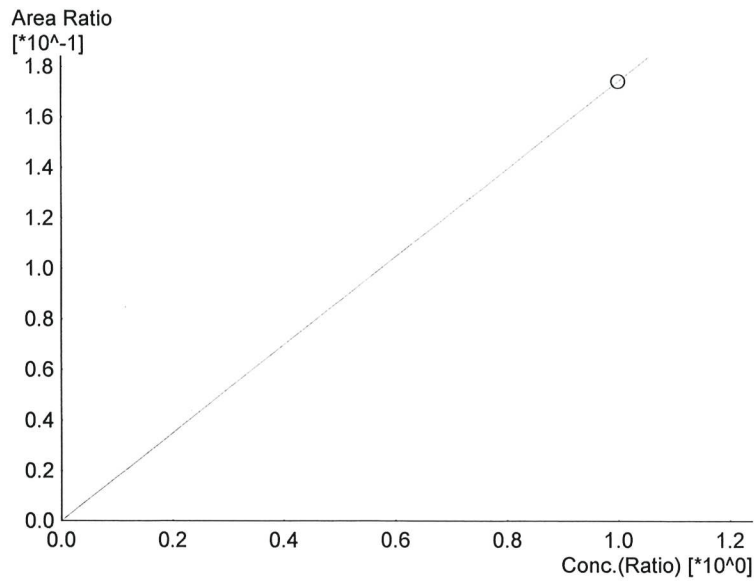
#	Conc.	Area	Std. Conc.
6	1.000	9444	1.0000



Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.04177*x-0.0153520$
 R² value= 0.9999433
 FitType: Linear
 ZeroThrough: Not Through

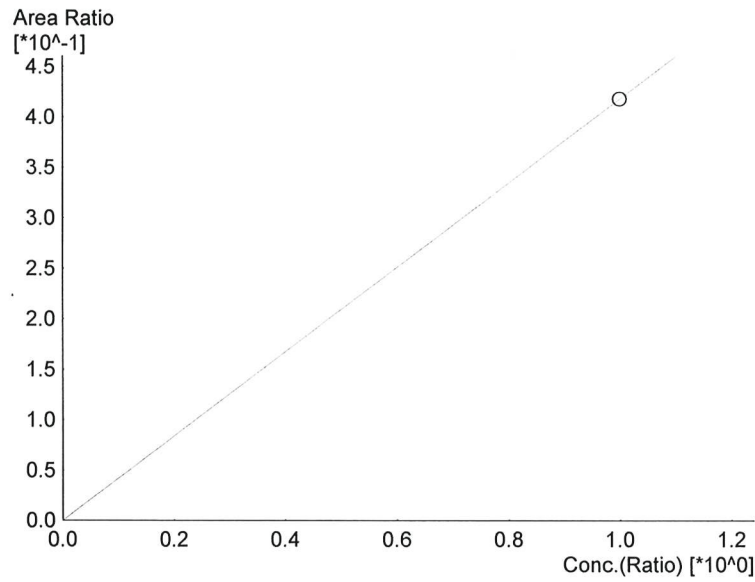
#	Conc.	Area	Std. Conc.
1	0.050	22228	0.0516
2	0.100	46318	0.0997
3	0.200	97345	0.1981
4	0.300	148604	0.2995
5	0.500	259364	0.5008

99



Name : Isopropyl Alcohol
 Detector Name: FID1
 Function : $f(x)=0.174229*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	45439	1.0000



Name : Acetone
 Detector Name: FID1
 Function : $f(x)=0.418187*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

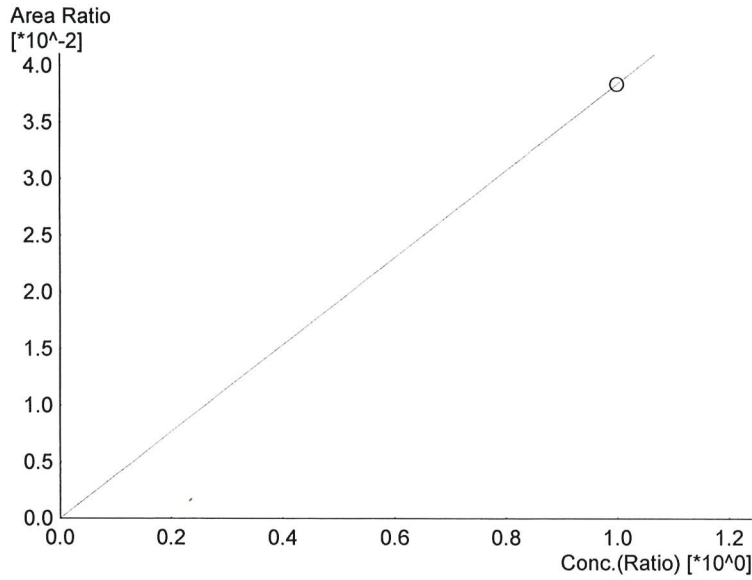
#	Conc.	Area	Std. Conc.
6	1.000	109063	1.0000



Name : Fluor. Hydrocarbon(s)
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

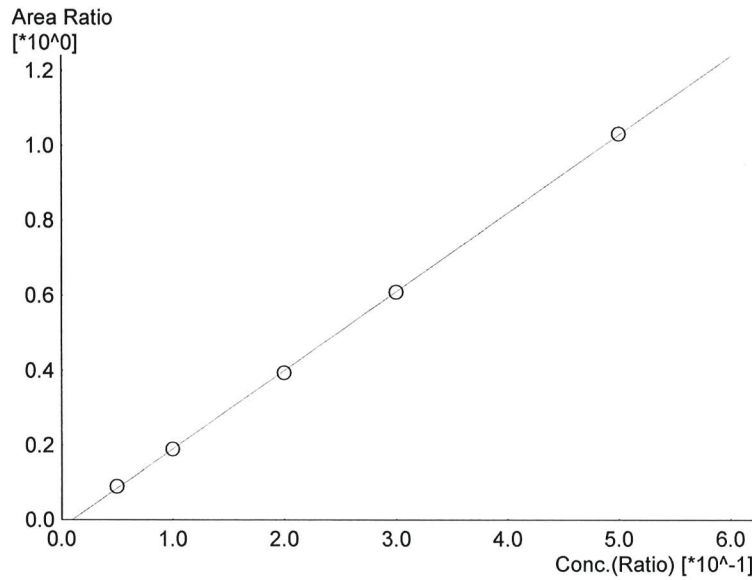
#	Conc.	Area	Std. Conc.
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99



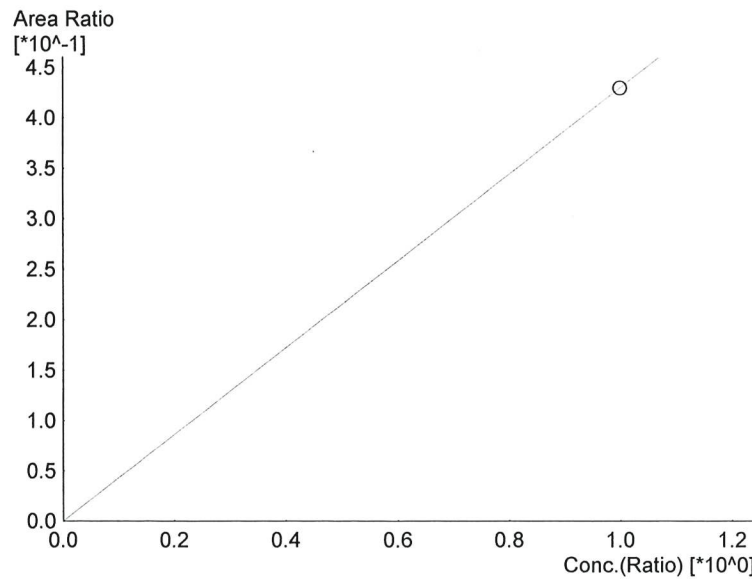
Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0.0383741*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	10866	1.0000



Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.09799*x-0.0199460$
 R² value= 0.9998937
 FitType: Linear
 ZeroThrough: Not Through

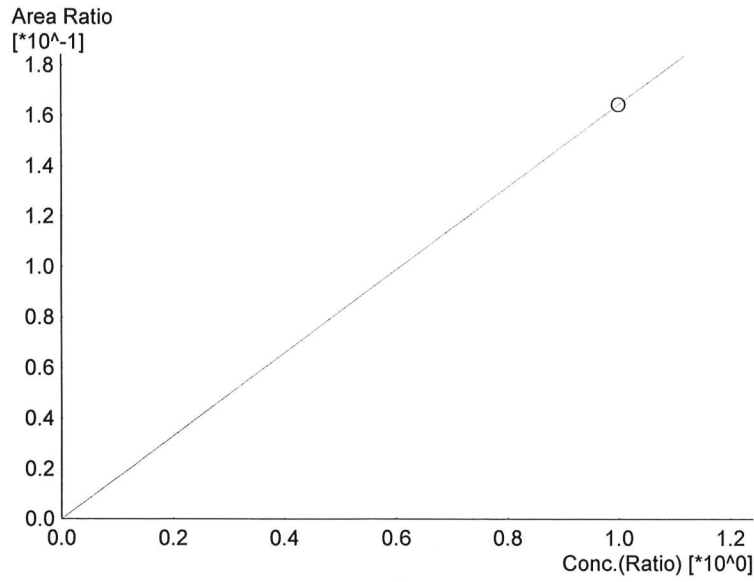
#	Conc.	Area	Std. Conc.
1	0.050	23828	0.0521
2	0.100	50413	0.0999
3	0.200	106617	0.1972
4	0.300	164349	0.2995
5	0.500	287305	0.5011



Name : Acetone
 Detector Name: FID2
 Function : $f(x)=0.430052*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

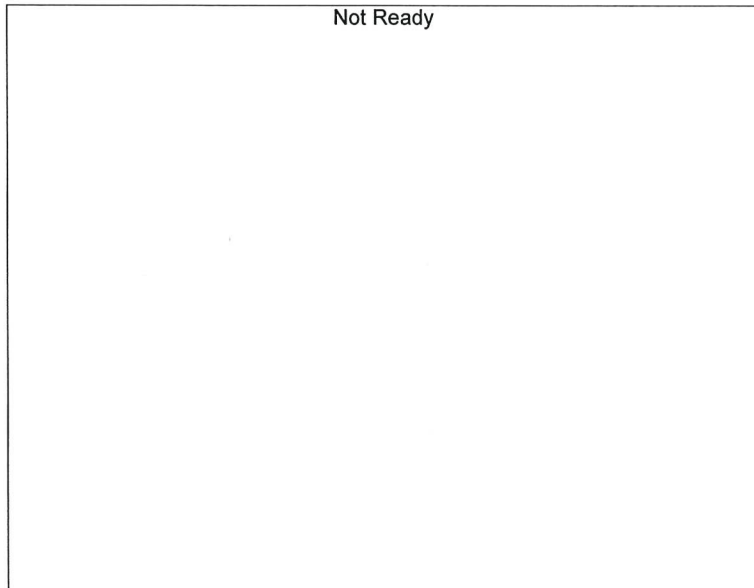
#	Conc.	Area	Std. Conc.
6	1.000	121773	1.0000

99



Name : Isopropyl Alcohol
Detector Name: FID2
Function : $f(x)=0.164448*x+0$
R² value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	46565	1.0000

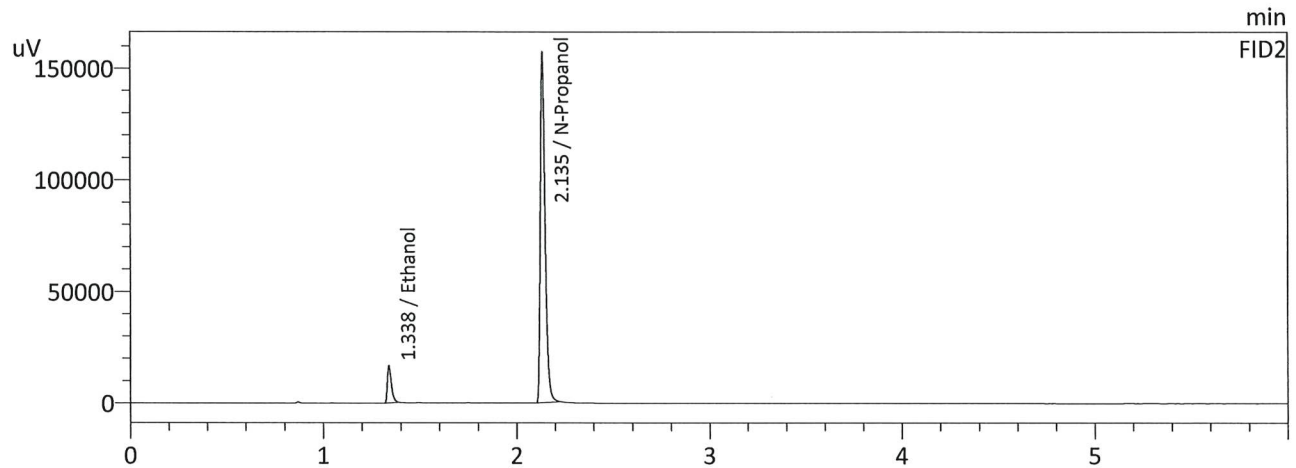
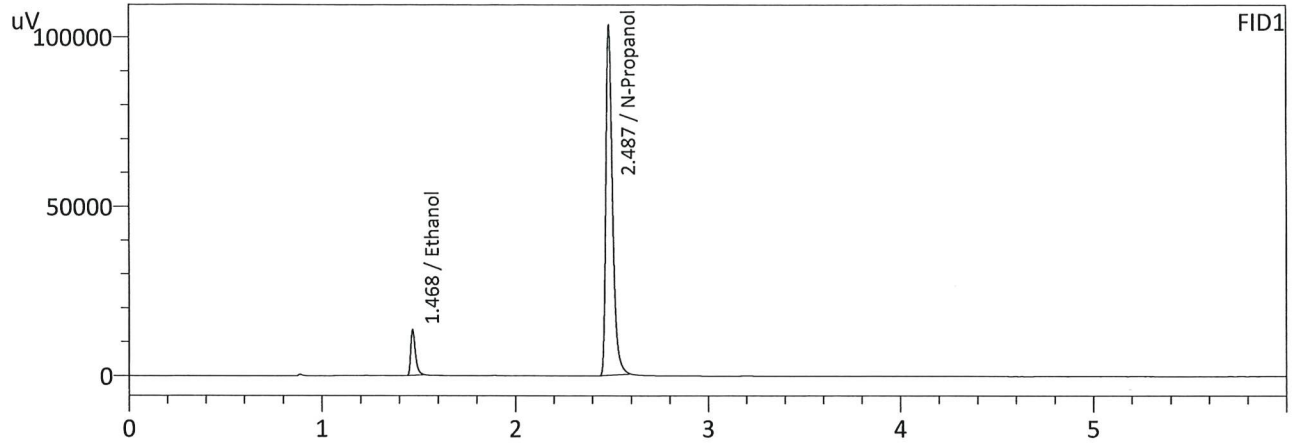


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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99

Sample Name : 0.050
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 1:20:08 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

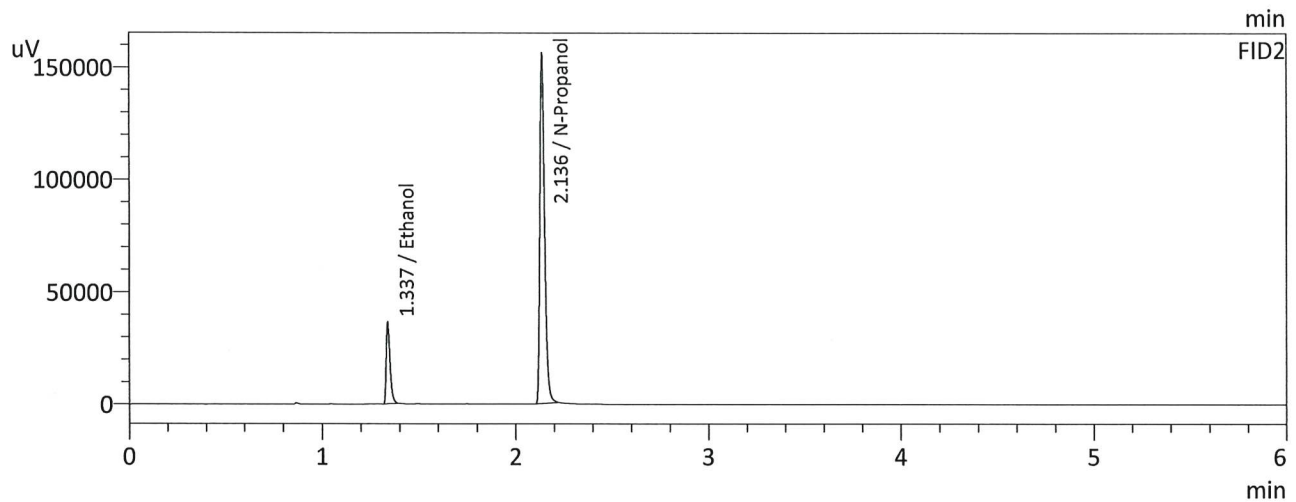
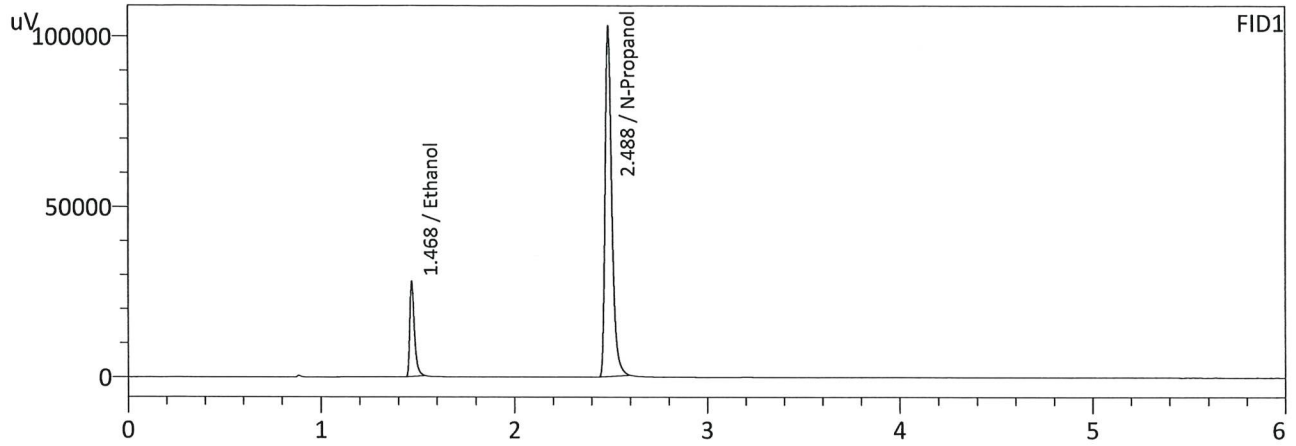
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0516	22228	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	246747	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0521	23828	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	266617	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.100
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 1:30:09 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

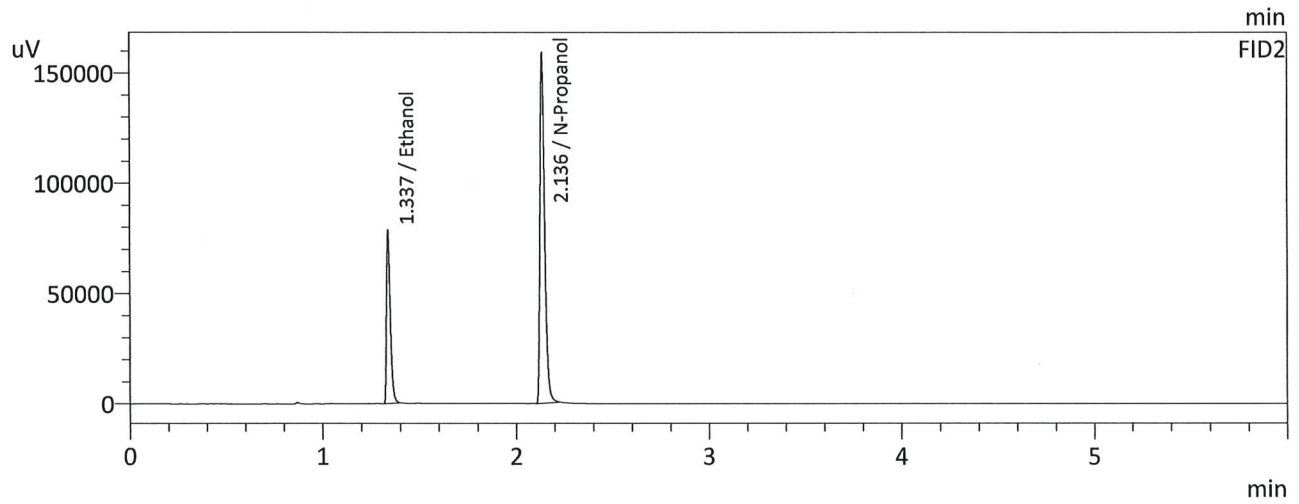
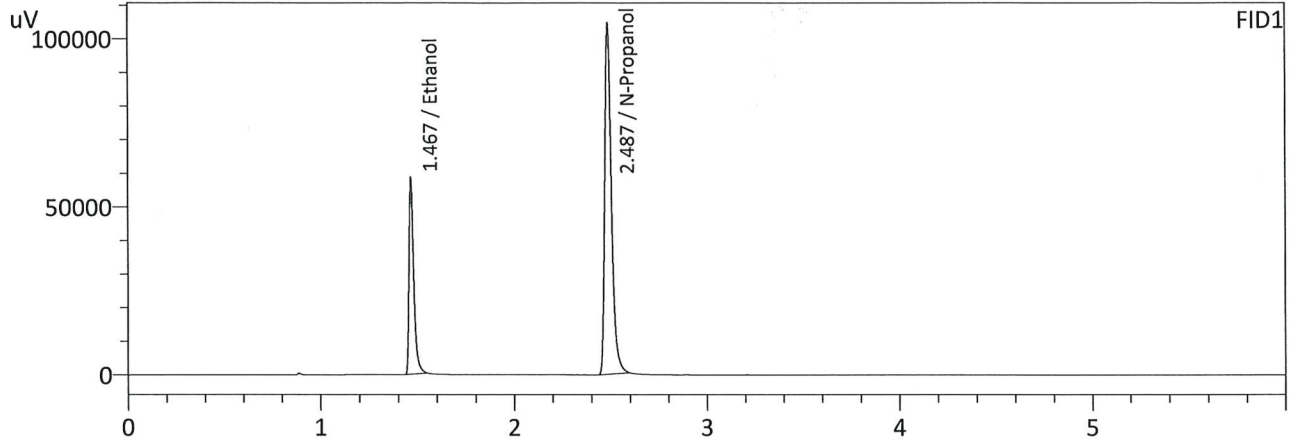
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0997	46318	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	245864	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0999	50413	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	265735	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.200
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 1:39:19 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

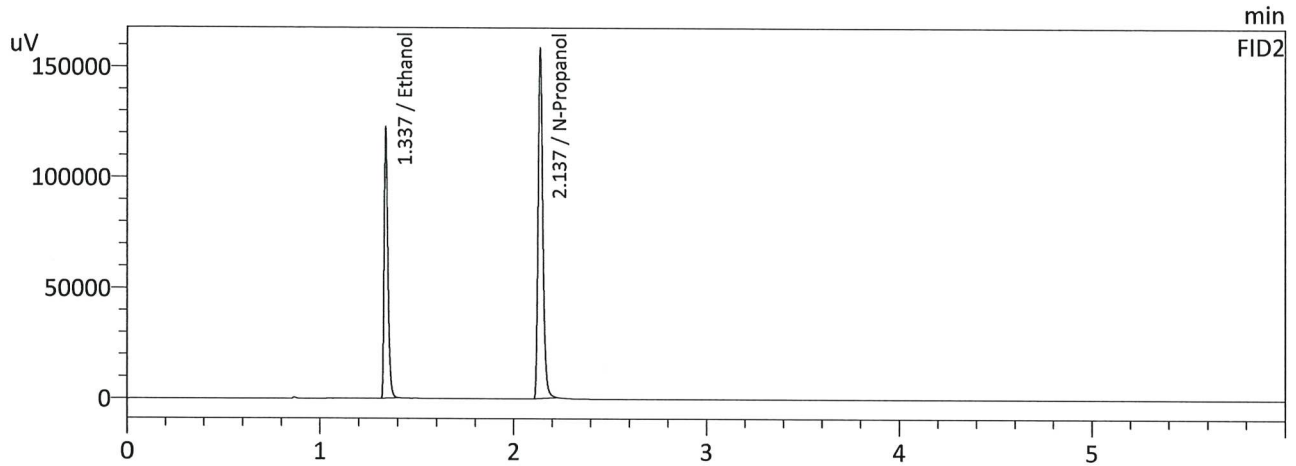
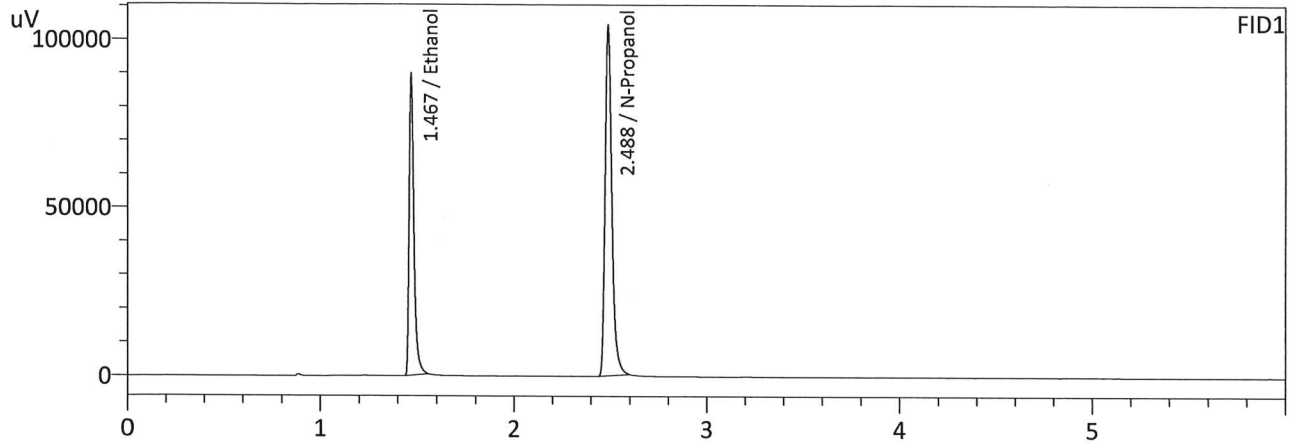
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1981	97345	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	250134	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1972	106617	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	270664	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.300
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 1:49:26 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

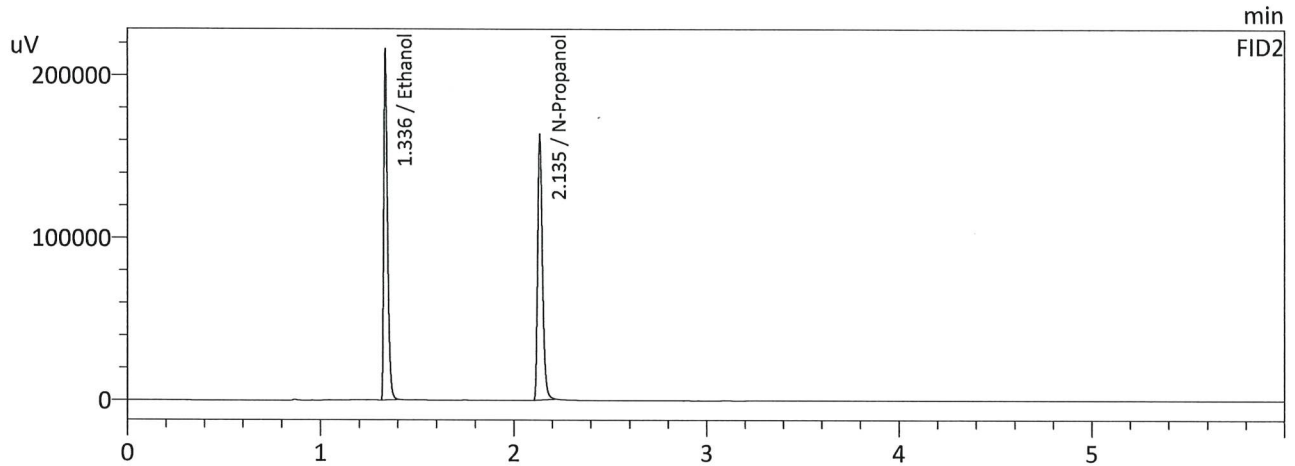
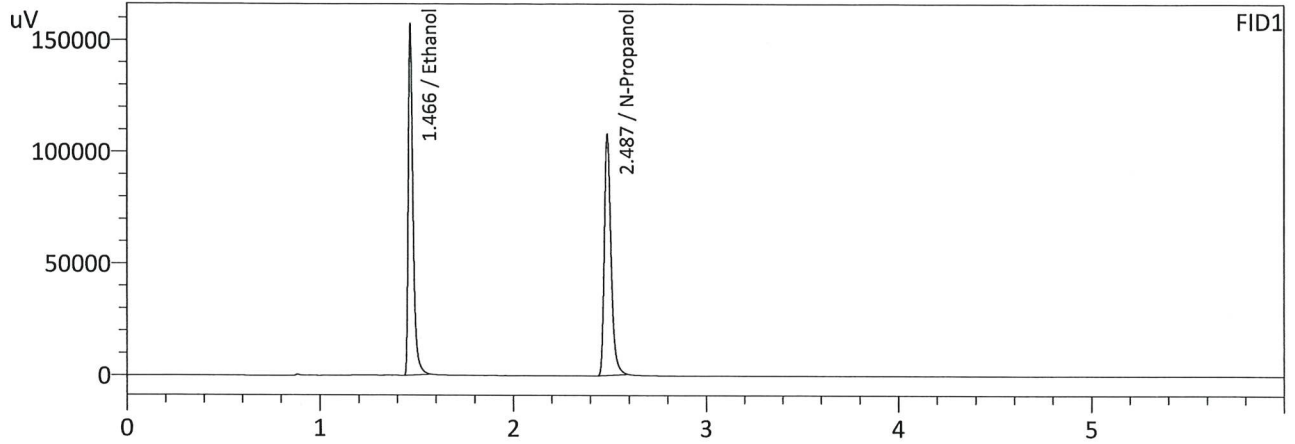
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2995	148604	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	249224	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2995	164349	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	270132	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.500
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 1:58:30 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

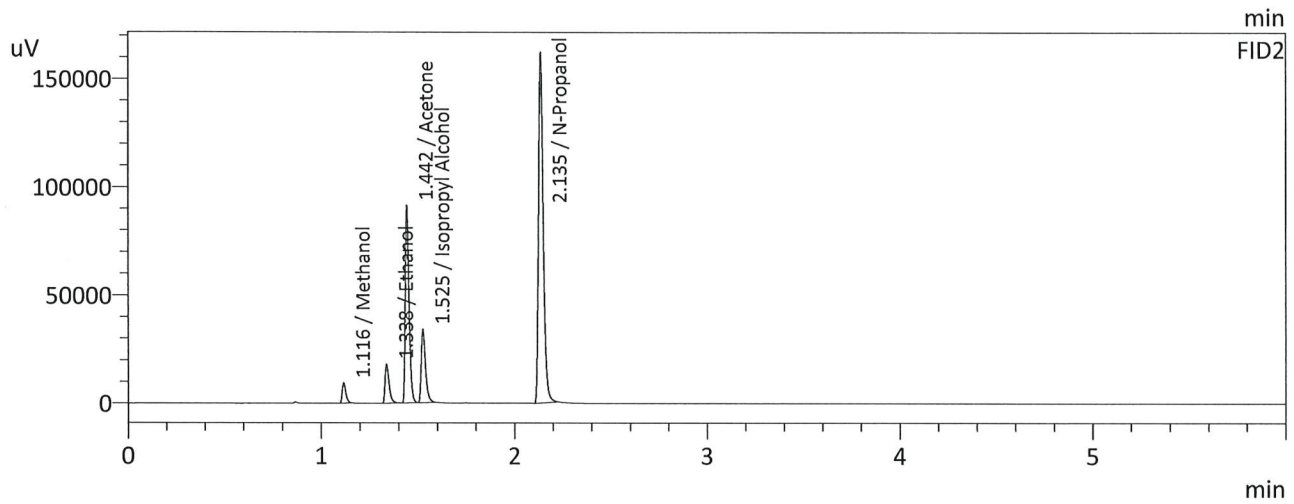
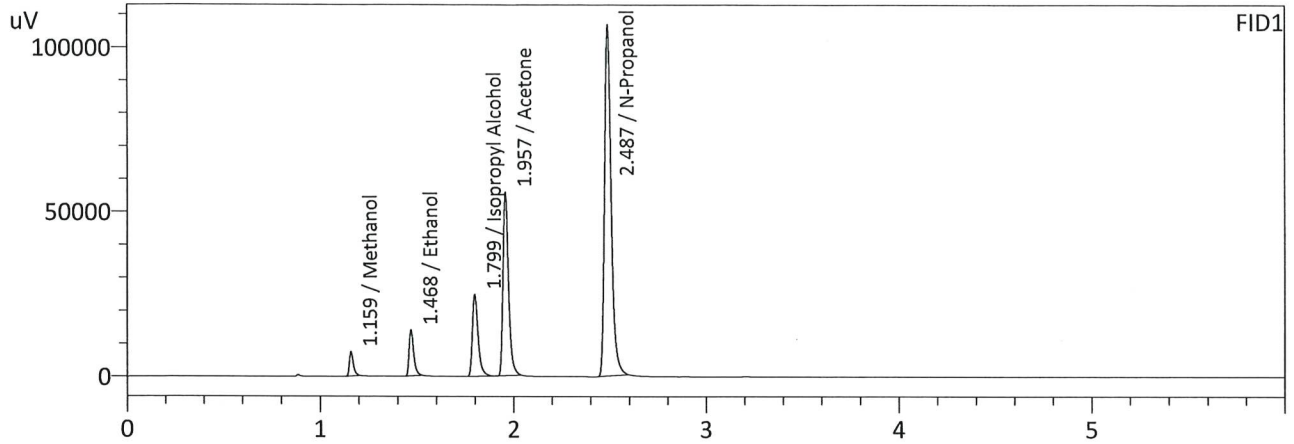
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5008	259364	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	257468	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5011	287305	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	278515	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : MULTI-COMP MIX
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 2:17:42 PM
 Vial # : 8
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

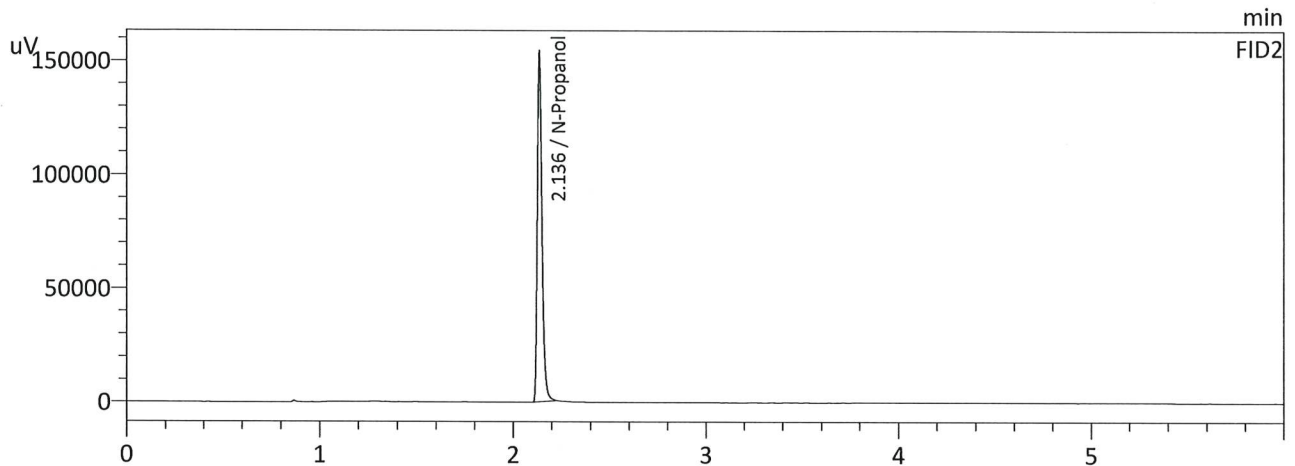
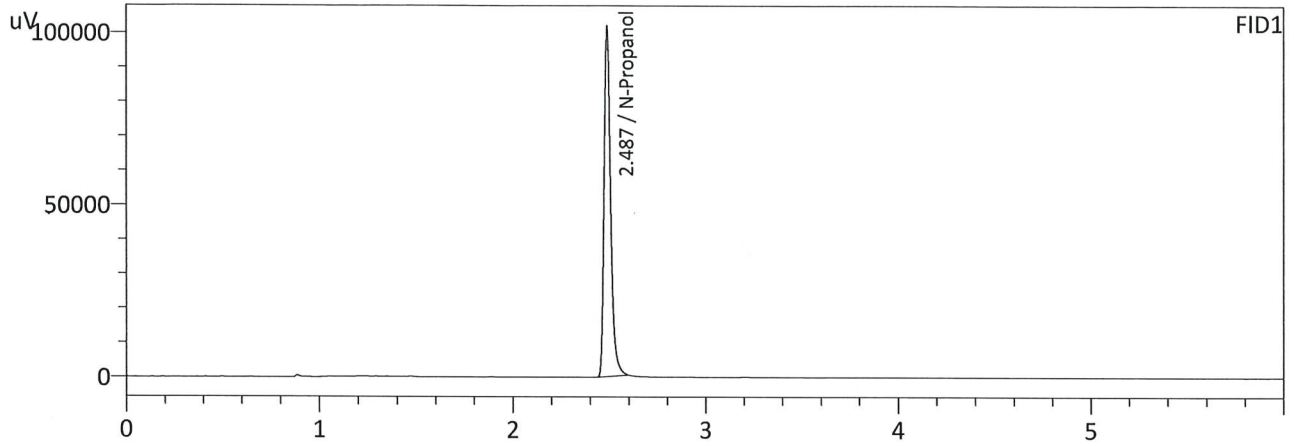
Name	Conc.	Area	Unit
Methanol	1.0000	10400	g/100cc
Ethanol	0.0519	23073	g/100cc
Isopropyl Alcohol	1.0000	50214	g/100cc
Acetone	1.0000	110582	g/100cc
N-Propanol	0.0000	254471	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	1.0000	11986	g/100cc
Ethanol	0.0533	25346	g/100cc
Acetone	1.0000	123942	g/100cc
Isopropyl Alcohol	1.0000	51677	g/100cc
N-Propanol	0.0000	275293	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 1
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 1:10:52 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

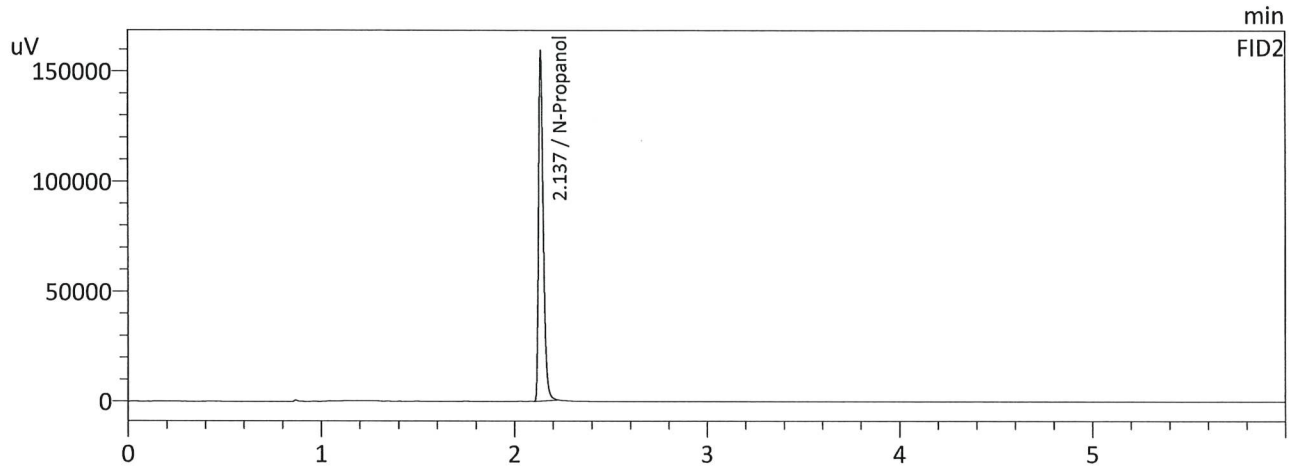
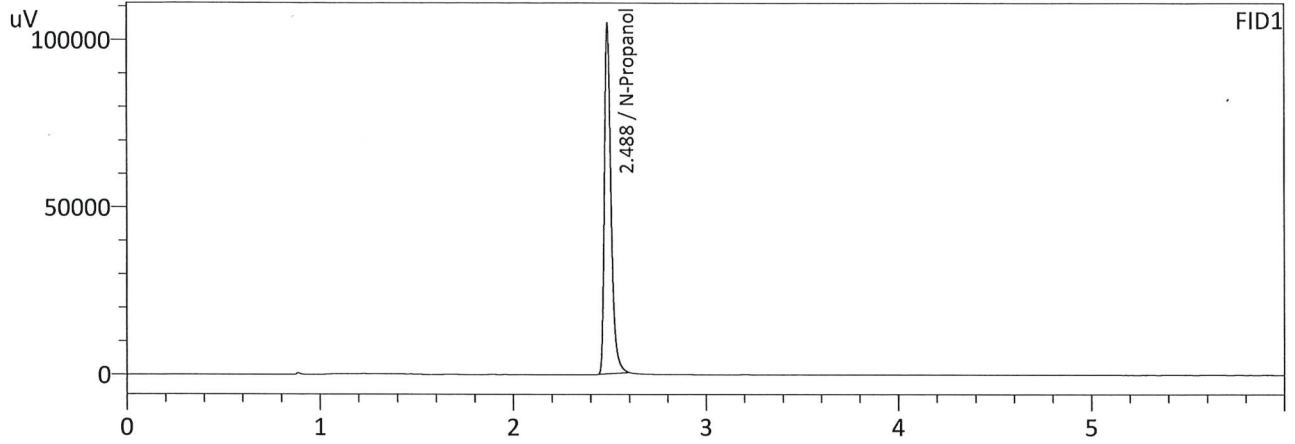
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	243264	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	262501	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 2
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 2:08:42 PM
 Vial # : 7
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

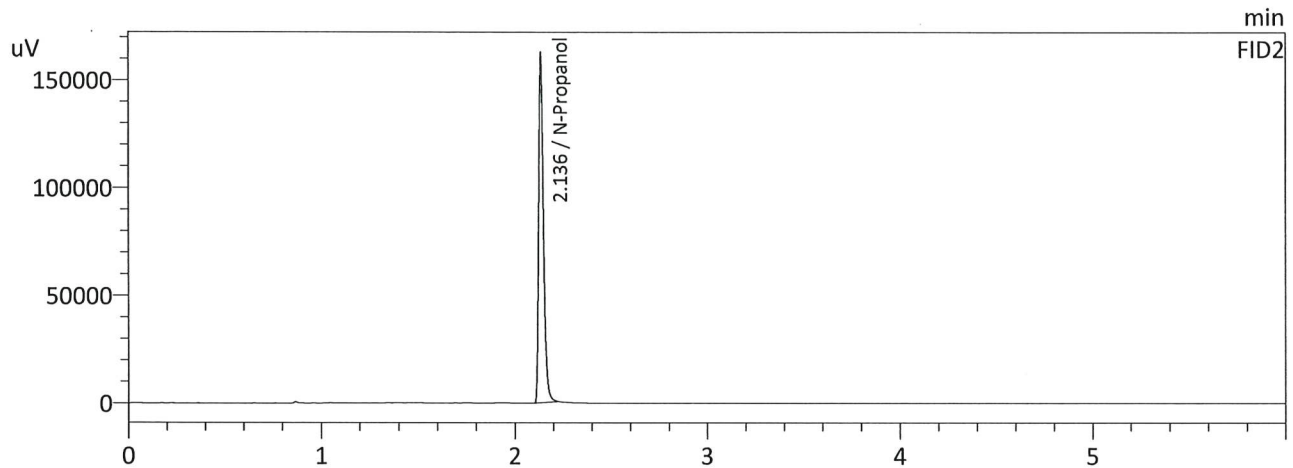
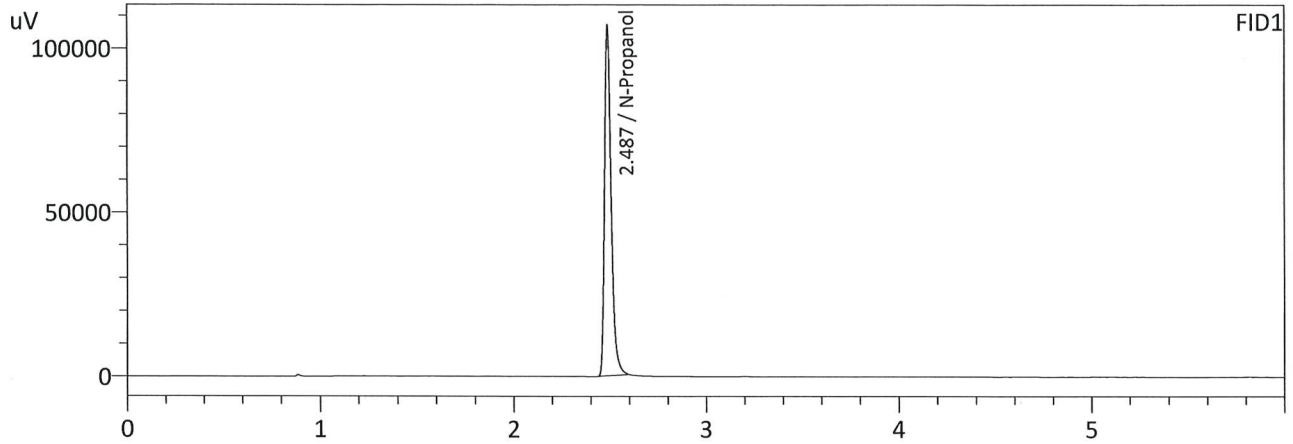
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	250192	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	271376	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 3
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 2:27:57 PM
 Vial # : 9
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

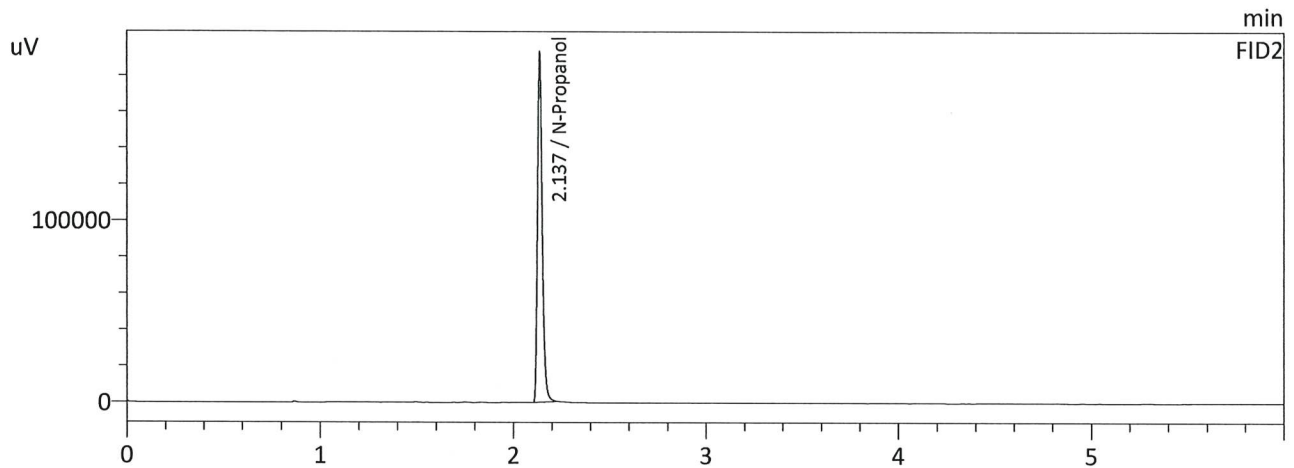
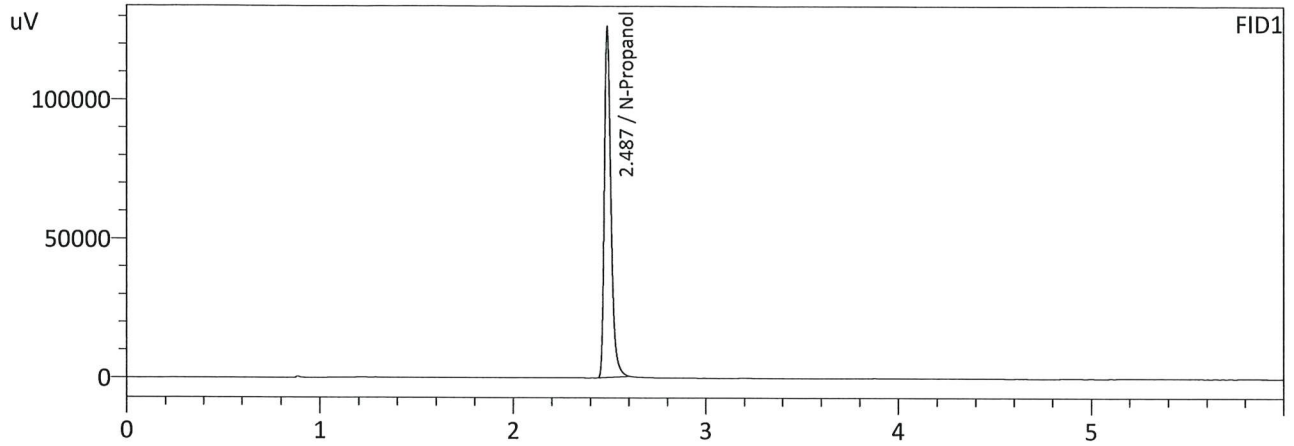
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	255464	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	277368	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 4
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 9:43:31 PM
 Vial # : 54
 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	301809	g/100cc
Flour. 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	326508	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA

Analysis Date(s): 2/28/2023 2:56:04 PM(-08:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0806	0.0001	0.0805	0.0008	0.0809
(g/100cc)	0.0814	0.0813	0.0001	0.0813		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL.gcm

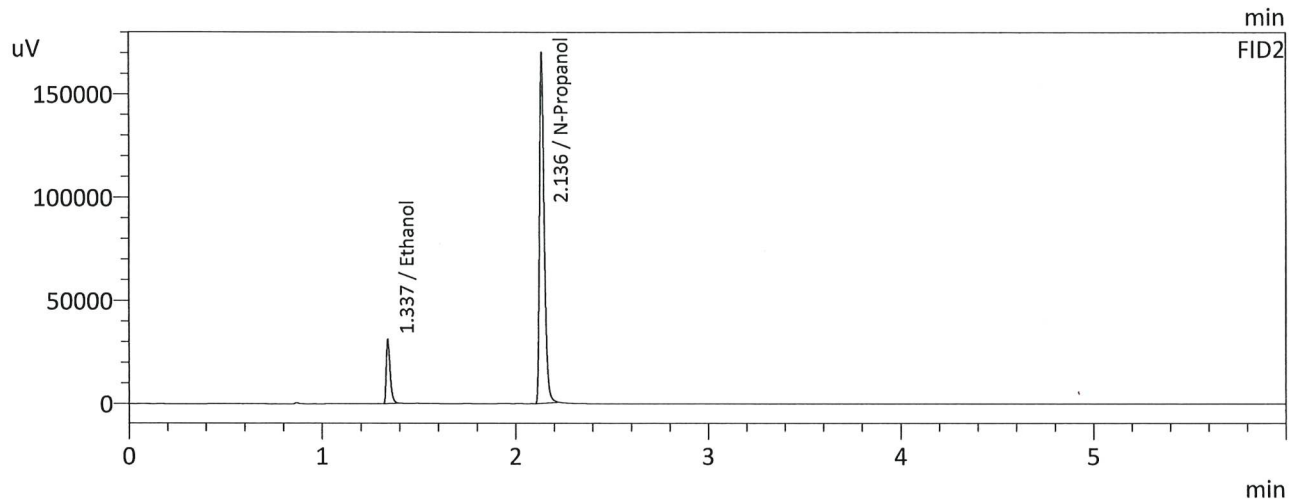
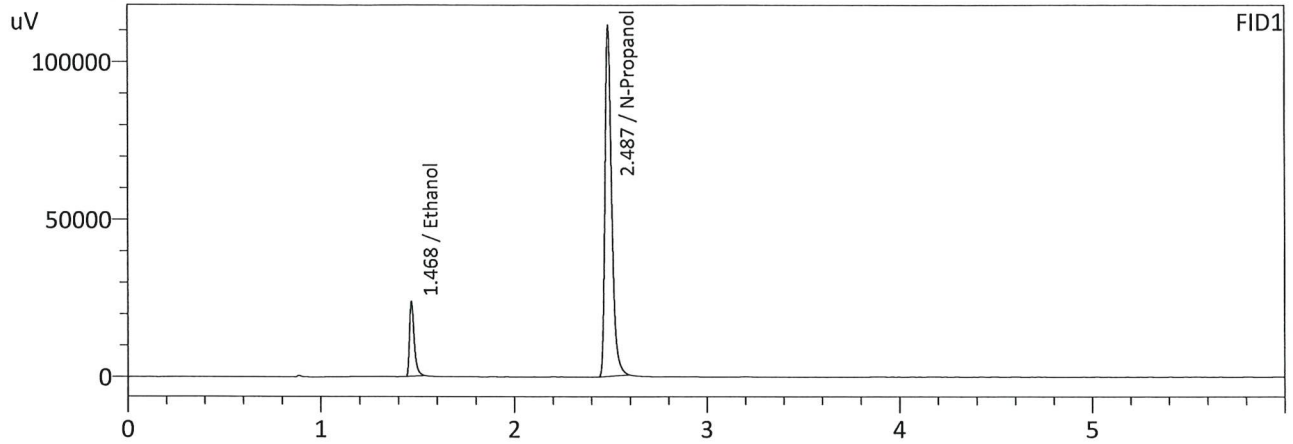
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results	
0.080	

Calibration and control data are stored centrally.

99

Sample Name : 0.08 QA
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 2:56:04 PM
 Vial # : 12
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

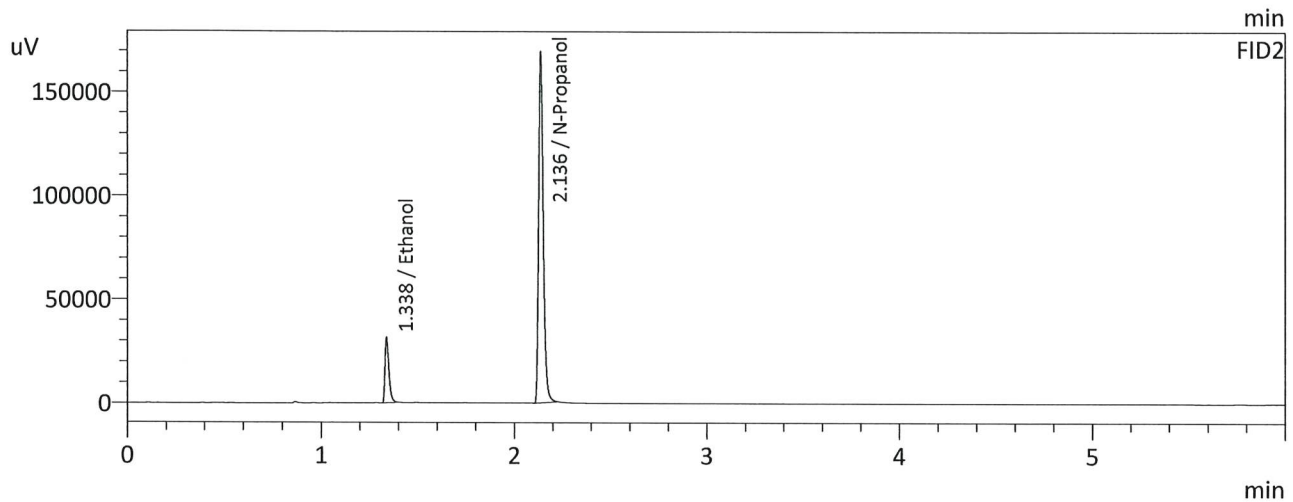
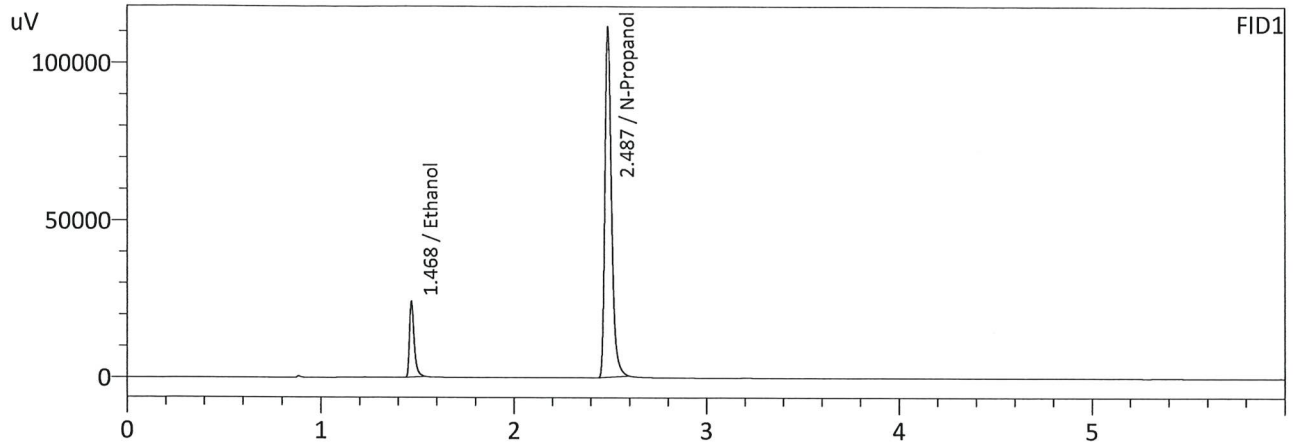
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0805	39623	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	265628	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0806	43005	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	288309	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.08 QA - B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 3:06:45 PM
 Vial # : 13
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0814	40159	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	265949	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	43570	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	288953	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1		Analysis Date(s): 2/28/2023 2:36:53 PM(-08:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0803	0.0805	0.0002	0.0804	0.0003	0.0805
(g/100cc)	0.0807	0.0807	0.0000	0.0807		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL.gcm

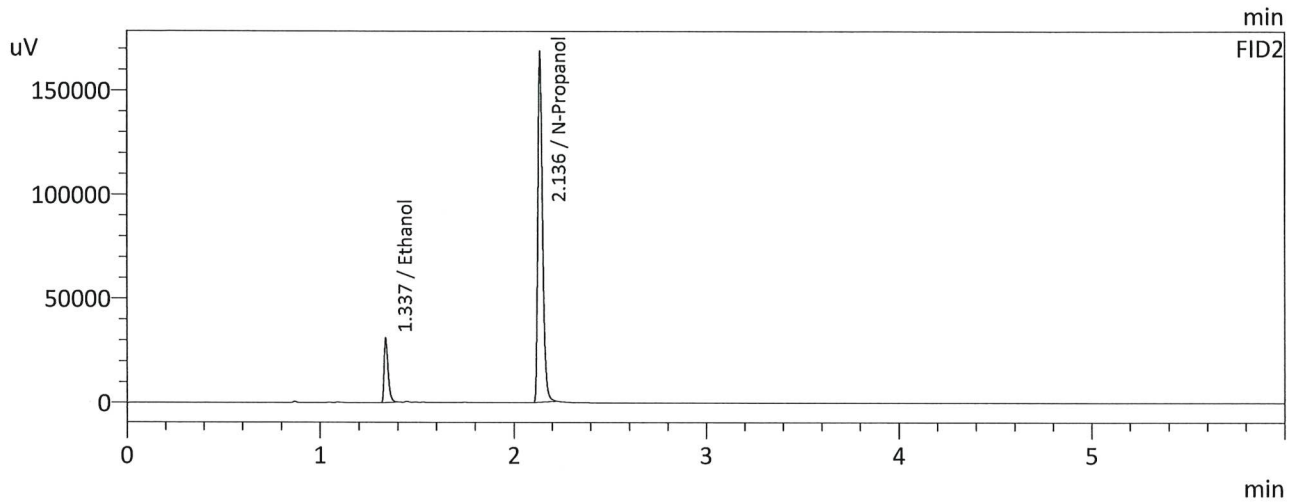
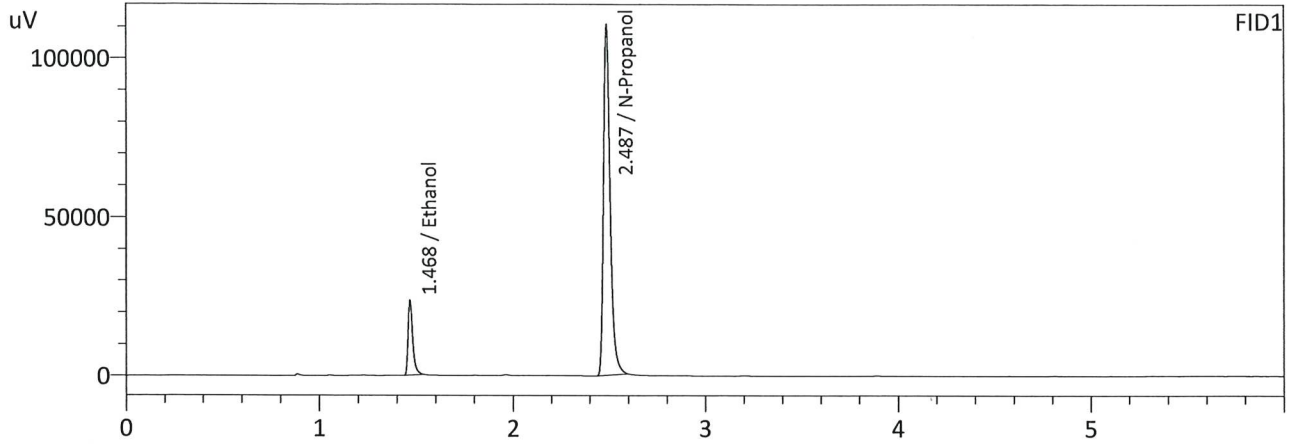
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results	
0.080	

Calibration and control data are stored centrally.

99

Sample Name : QC-1-1
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 2:36:53 PM
 Vial # : 10
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

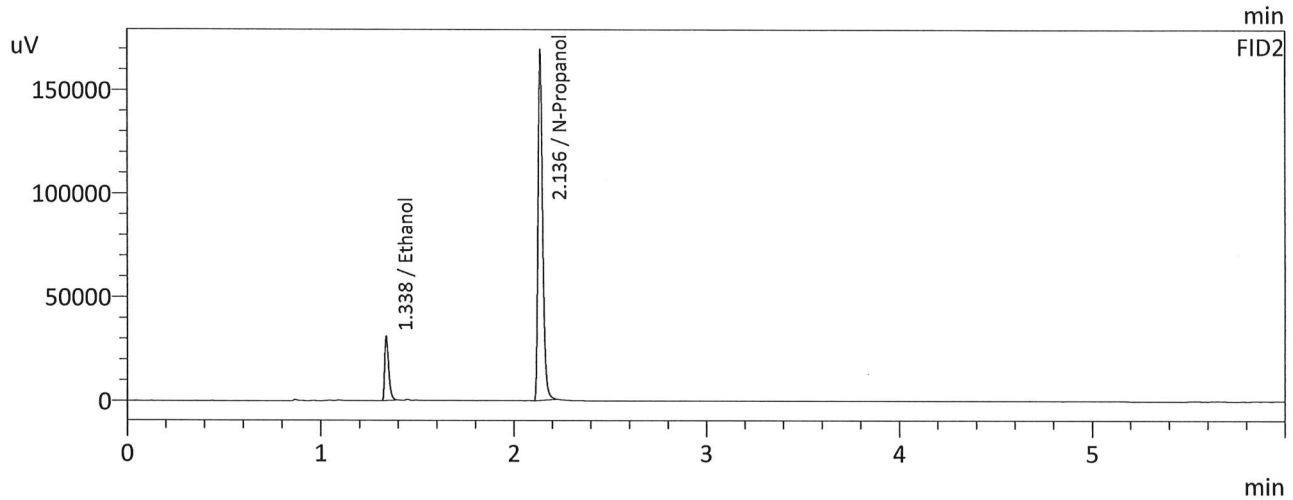
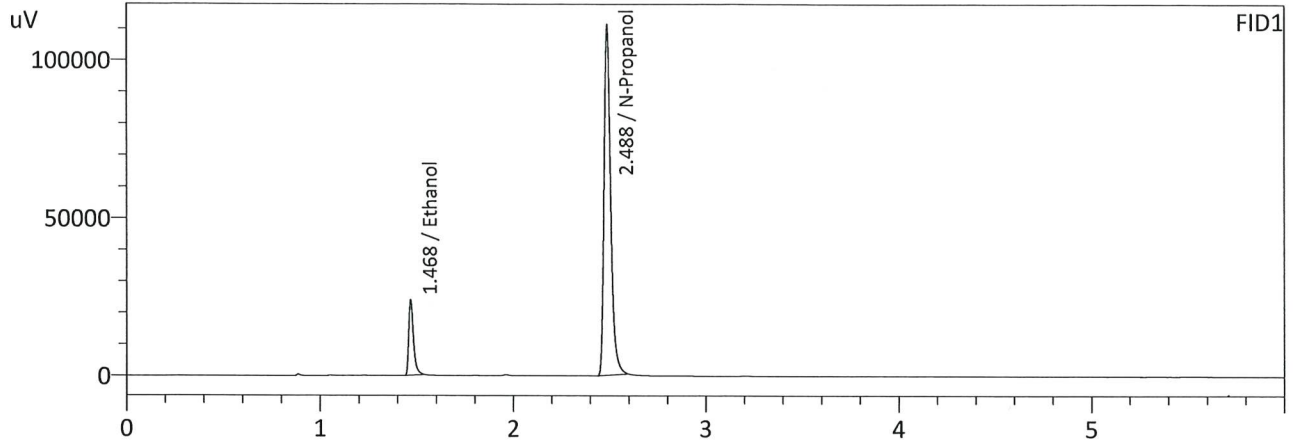
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	39227	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	263672	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0805	42632	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	286103	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-1-1-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 2:47:22 PM
 Vial # : 11
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	39710	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	265417	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	42997	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	287699	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1

Analysis Date(s): 2/28/2023 6:10:01 PM(-08:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2061	0.2050	0.0011	0.2055	0.0023	0.2067
(g/100cc)	0.2081	0.2076	0.0005	0.2078		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

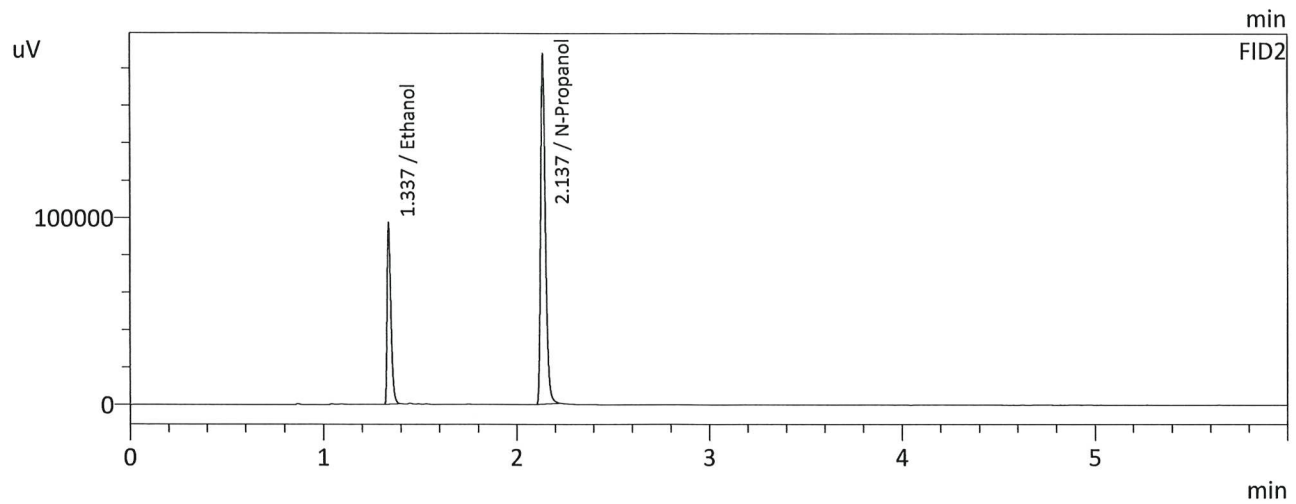
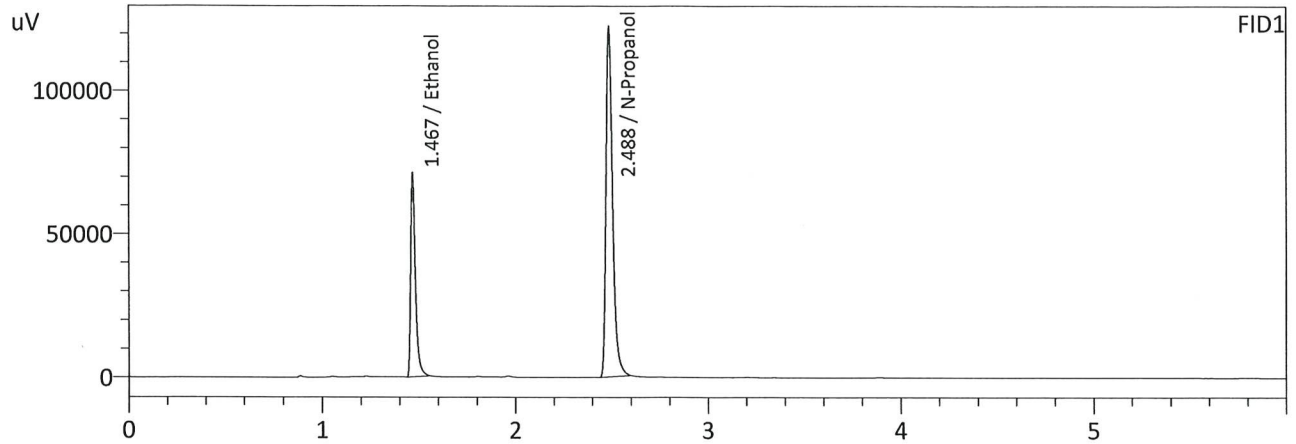
Refer To Instrument Method: ALCOHOL.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011
	Reported Results		
	0.206		

Calibration and control data are stored centrally.

99

Sample Name : QC-2-1
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 6:10:01 PM
 Vial # : 32
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

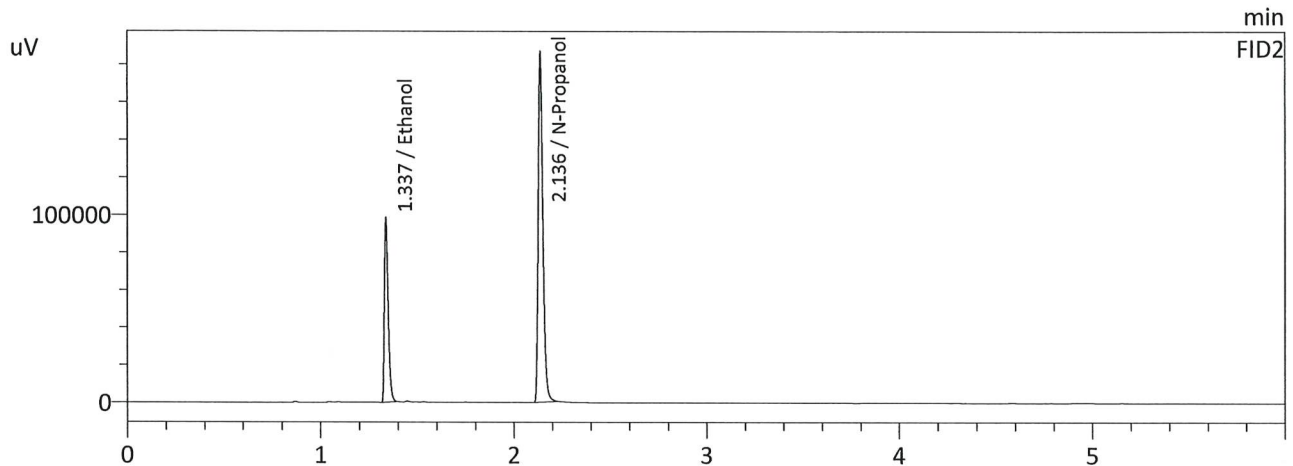
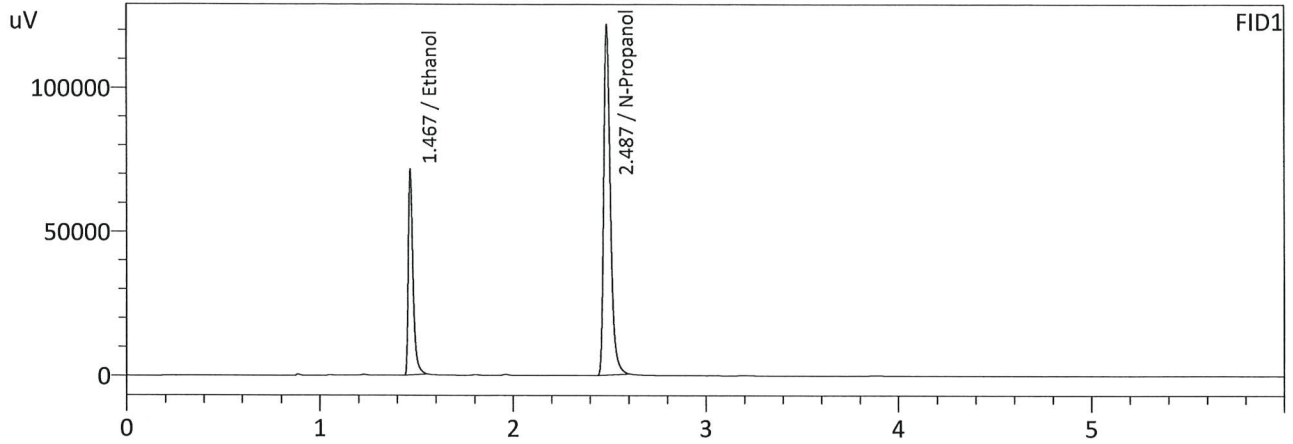
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2061	118555	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	292381	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2050	130478	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	318057	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-1-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 6:20:45 PM
 Vial # : 33
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2081	119069	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	290712	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2076	131542	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	316436	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2

Analysis Date(s): 2/28/2023 9:24:14 PM(-08:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2084	0.2073	0.0011	0.2078	0.0014	0.2085
(g/100cc)	0.2095	0.2089	0.0006	0.2092		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

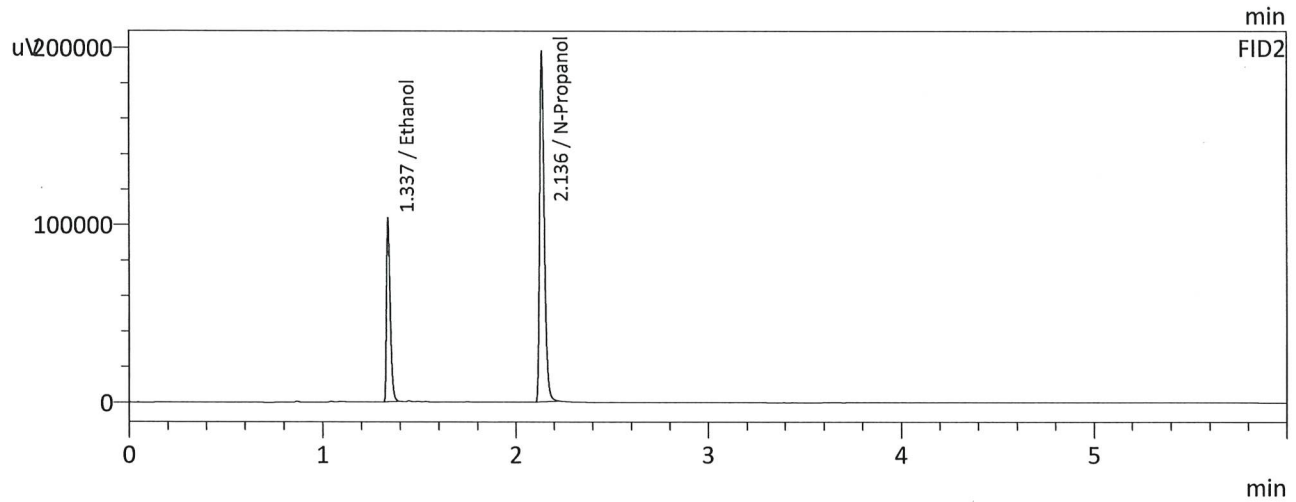
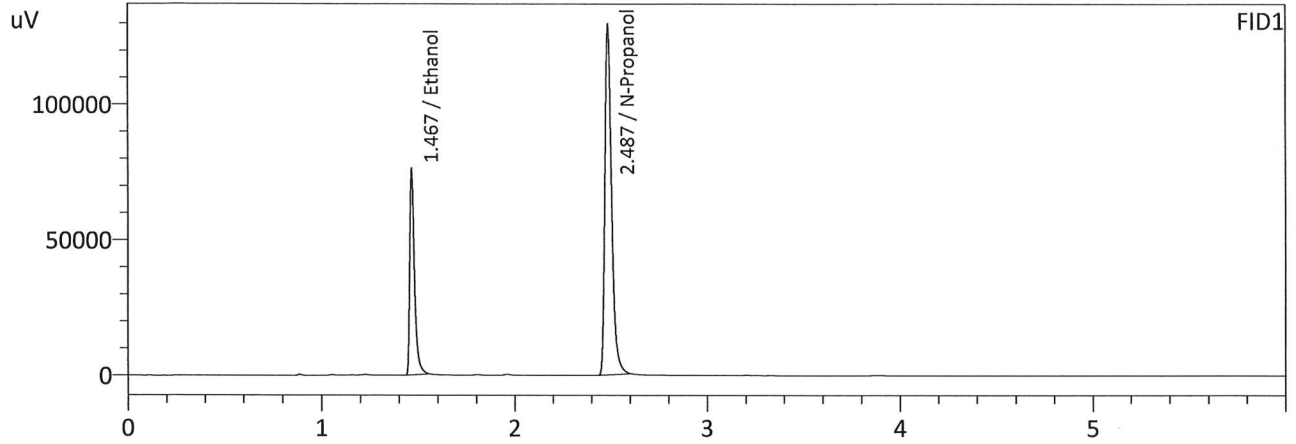
Refer To Instrument Method: ALCOHOL.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.208	0.197	0.219	0.011
	Reported Results		
	0.208		

Calibration and control data are stored centrally.

99

Sample Name : QC-2-2
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 9:24:14 PM
 Vial # : 52
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

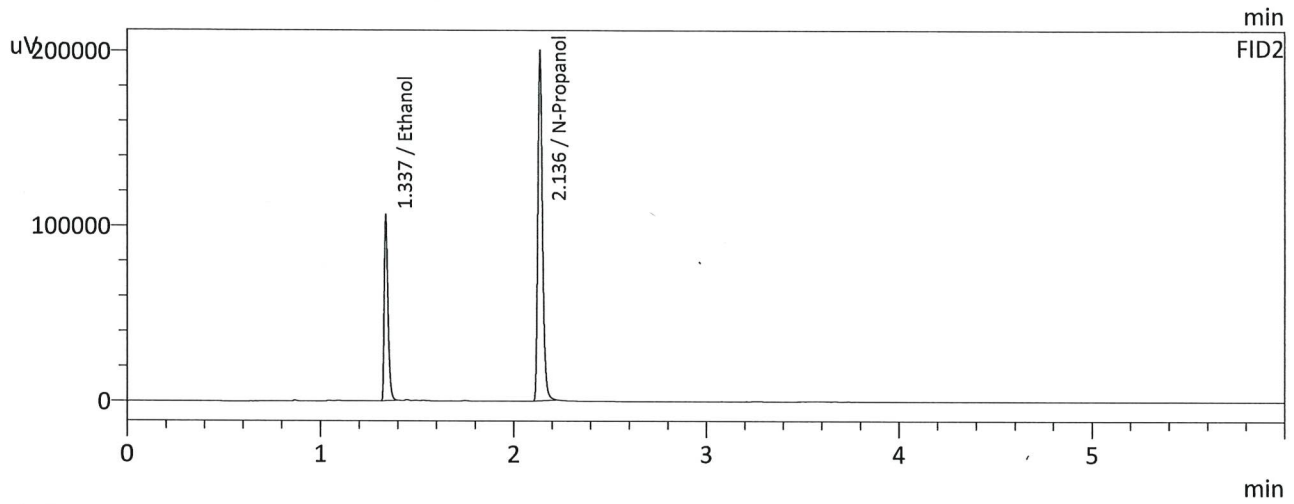
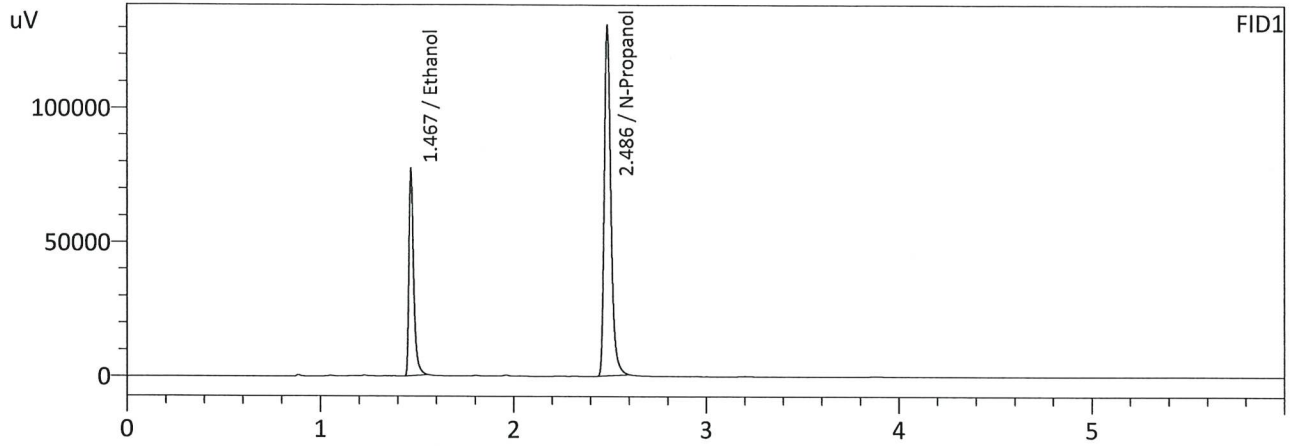
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2084	126764	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	309023	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2073	138623	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	334045	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-2-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 2/28/2023 9:34:59 PM
 Vial # : 53
 Method Filename : Default Project - ALCOHOL.gcm
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2095	128665	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	311954	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2089	141405	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	337916	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc