12/1/2022

Worklist: 6175

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2022-2549	1	BCK	Alcohol Analysis
C2022-2555	1	BCK	Alcohol Analysis
C2022-2581	1	BCK	Alcohol Analysis
C2022-2582	1	BCK	Alcohol Analysis
C2022-2598	1	BCK	Alcohol Analysis
C2022-2598	4	BCK	Alcohol Analysis
C2022-2599	1	BCK	Alcohol Analysis
C2022-2601	1	BCK	Alcohol Analysis
C2022-2604	1	BCK	Alcohol Analysis
C2022-2606	1	UCK	Alcohol Analysis
C2022-2619	1	CBUK	Alcohol Analysis
C2022-2622	1	BCK	Alcohol Analysis
C2022-2624	1	BCK	Alcohol Analysis
C2022-2632	1	BCK	Alcohol Analysis
C2022-2643	1	BCK	Alcohol Analysis
C2022-2646	1	BCK	Alcohol Analysis
C2022-2665	1	BCK	Alcohol Analysis
C2022-2674	1	BCK	Alcohol Analysis

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REVIEWED
By Rachel Cutler at 9:09 am, Dec 06, 2022

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): 12/1/2022**

Calibration Date: *(if different)*

Worklist #: Worklist # 6160

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0816 g/100cc
					g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2068 g/100cc
					0.2073 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	July 31, 2024	Lot #	FN04231907	OK
Curve Fit:		Column 1	0.99957	Column2	0.99949

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0537	0.0541	0.0004	0.0539
100	0.100	0.090 - 0.110	0.1004	0.1003	0.0001	0.1003
200	0.200	0.180 - 0.220	0.1965	0.1961	0.0004	0.1963
300	0.300	0.270 - 0.330	0.2959	0.2956	0.0003	0.2957
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5033	0.5036	0.0003	0.5034

Aqueous Controls

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

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Internal Standard Monitoring Worksheet

Worklist #:	Worklist # 6160	Run Date(s):	12/1/2022

Internal Standard Solution: Lot# A014463901	Prep Date: 10/28/2022	Exp Date: 4/28/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	321693	354960
0.080	324705	358973
QC1	326104	360254
QC1	330266	365577
QC1		
QC1		
QC1		
QC1		
QC2	351198	385065
QC2	340879	373859
QC2	367869	403070
QC2	365641	401191
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	341044.4	272835.5	409253.3
Column 2	375368.6	300294.9	450442.4

99

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Region 1 CDA Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255850700
Shimadzu HS-20 Serial #C12595700181
Lab Solutions Software Ver. 5.99

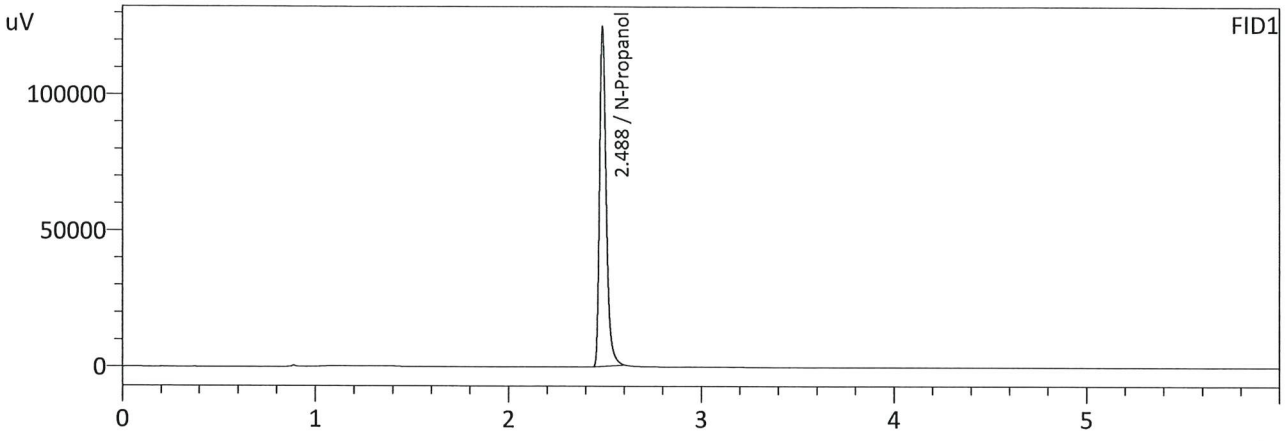
Vial#	Sample Name	Sample Type	Level#	Method File
78	BLK 4	0:Unknown	0	ALCOHOL.GCM
79	BLK 5	0:Unknown	0	ALCOHOL.GCM
80	BLK 6	0:Unknown	0	ALCOHOL.GCM
81	BLK 7	0:Unknown	0	ALCOHOL.GCM
82	BLK 8	0:Unknown	0	ALCOHOL.GCM
83	BLK 9	0:Unknown	0	ALCOHOL.GCM
1	INT STD BLK 1	0:Unknown	0	ALCOHOL.GCM
2	0.050	1:Standard:(R)	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	C2022-2549-1-A	0:Unknown	0	ALCOHOL.GCM
15	C2022-2549-1-B	0:Unknown	0	ALCOHOL.GCM
16	C2022-2555-1-A	0:Unknown	0	ALCOHOL.GCM
17	C2022-2555-1-B	0:Unknown	0	ALCOHOL.GCM
18	C2022-2581-1-A	0:Unknown	0	ALCOHOL.GCM
19	C2022-2581-1-B	0:Unknown	0	ALCOHOL.GCM
20	C2022-2582-1-A	0:Unknown	0	ALCOHOL.GCM
21	C2022-2582-1-B	0:Unknown	0	ALCOHOL.GCM
22	C2022-2598-1-A	0:Unknown	0	ALCOHOL.GCM
23	C2022-2598-1-B	0:Unknown	0	ALCOHOL.GCM
24	C2022-2598-4-A	0:Unknown	0	ALCOHOL.GCM
25	C2022-2598-4-B	0:Unknown	0	ALCOHOL.GCM
26	C2022-2599-1-A	0:Unknown	0	ALCOHOL.GCM
27	C2022-2599-1-B	0:Unknown	0	ALCOHOL.GCM
28	C2022-2601-1-A	0:Unknown	0	ALCOHOL.GCM
29	C2022-2601-1-B	0:Unknown	0	ALCOHOL.GCM
30	C2022-2604-1-A	0:Unknown	0	ALCOHOL.GCM
31	C2022-2604-1-B	0:Unknown	0	ALCOHOL.GCM
32	QC-2-1-A	0:Unknown	0	ALCOHOL.GCM
33	QC-2-1-B	0:Unknown	0	ALCOHOL.GCM
34	C2022-2606-1-A	0:Unknown	0	ALCOHOL.GCM
35	C2022-2606-1-B	0:Unknown	0	ALCOHOL.GCM
36	C2022-2619-1-A	0:Unknown	0	ALCOHOL.GCM
37	C2022-2619-1-B	0:Unknown	0	ALCOHOL.GCM
38	C2022-2622-1-A	0:Unknown	0	ALCOHOL.GCM
39	C2022-2622-1-B	0:Unknown	0	ALCOHOL.GCM
40	C2022-2624-1-A	0:Unknown	0	ALCOHOL.GCM
41	C2022-2624-1-B	0:Unknown	0	ALCOHOL.GCM
42	C2022-2632-1-A	0:Unknown	0	ALCOHOL.GCM
43	C2022-2632-1-B	0:Unknown	0	ALCOHOL.GCM
44	C2022-2643-1-A	0:Unknown	0	ALCOHOL.GCM
45	C2022-2643-1-B	0:Unknown	0	ALCOHOL.GCM
46	C2022-2646-1-A	0:Unknown	0	ALCOHOL.GCM
47	C2022-2646-1-B	0:Unknown	0	ALCOHOL.GCM
48	C2022-2665-1-A	0:Unknown	0	ALCOHOL.GCM
49	C2022-2665-1-B	0:Unknown	0	ALCOHOL.GCM
50	C2022-2674-1-A	0:Unknown	0	ALCOHOL.GCM
51	C2022-2674-1-B	0:Unknown	0	ALCOHOL.GCM
52	QC-2-2-A	0:Unknown	0	ALCOHOL.GCM
53	QC-2-2-B	0:Unknown	0	ALCOHOL.GCM

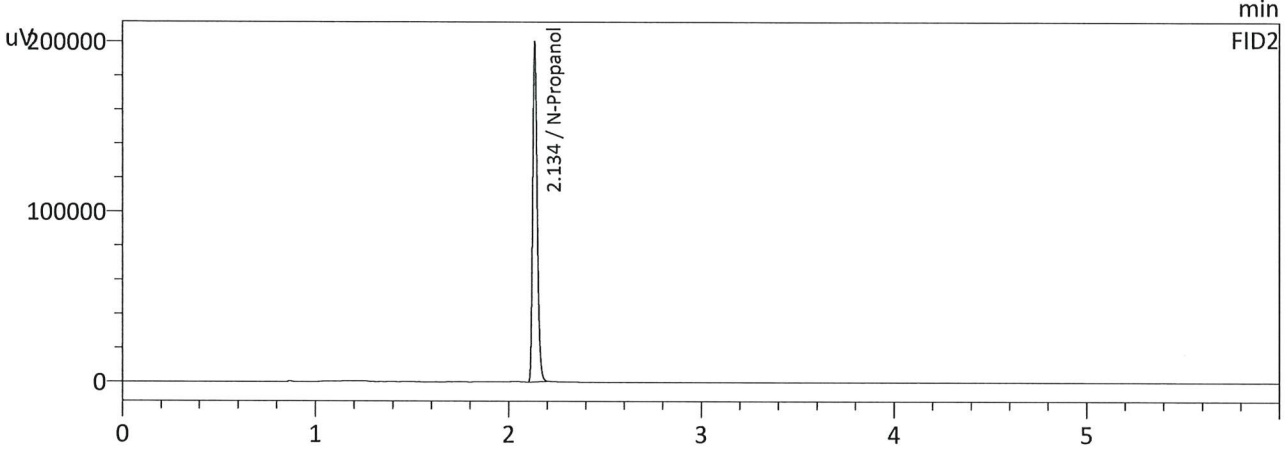
99

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

99

Sample Name : INT STD BLK 1
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 3:27:39 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

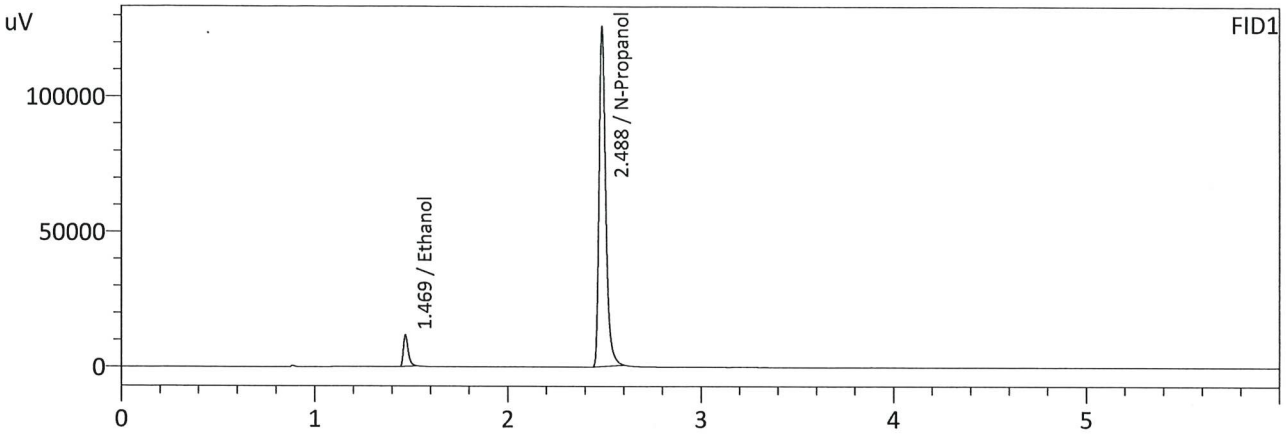
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	298420	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

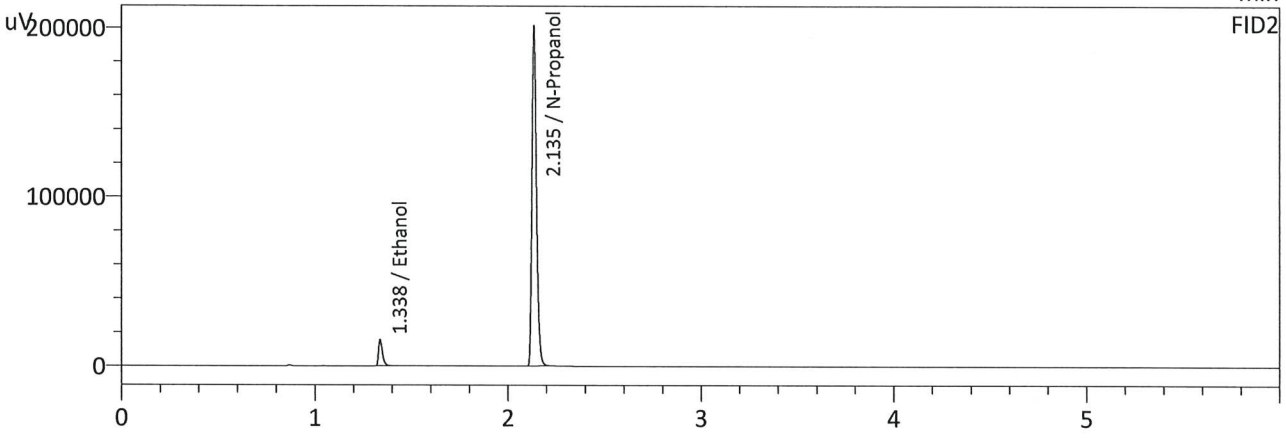
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	330305	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.050
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 3:36:21 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

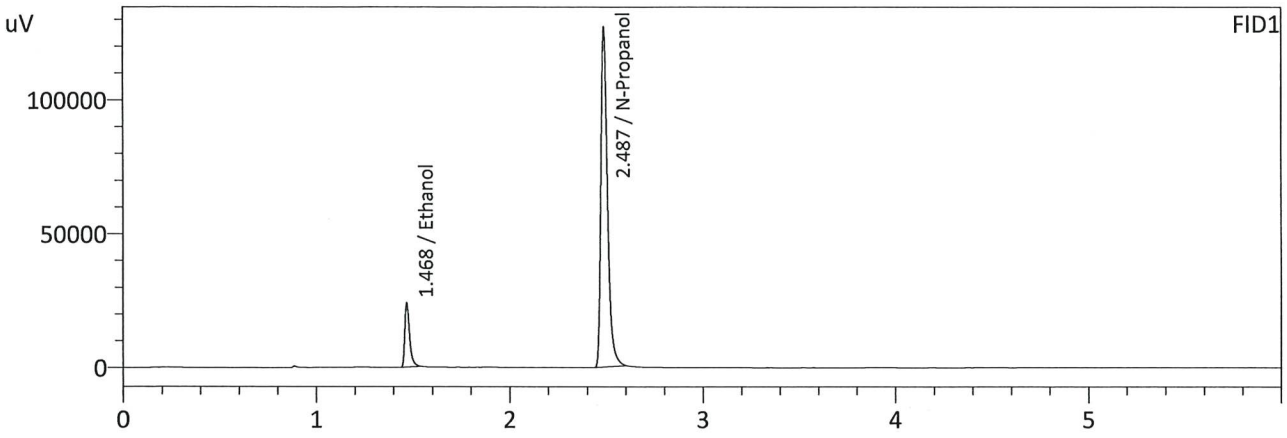
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0537	19366	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	300685	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

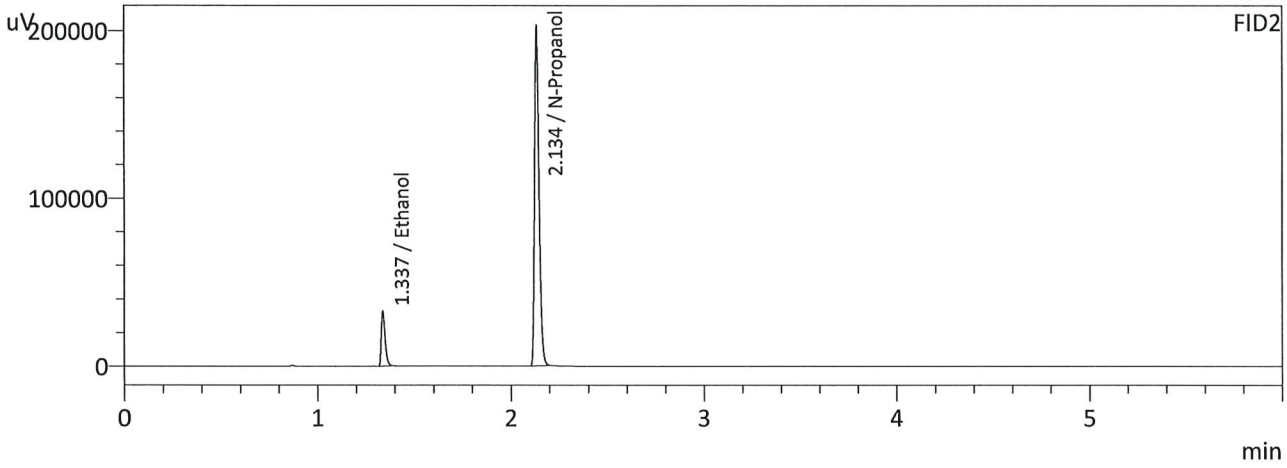
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0541	21367	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	332563	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.100
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 3:47:04 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

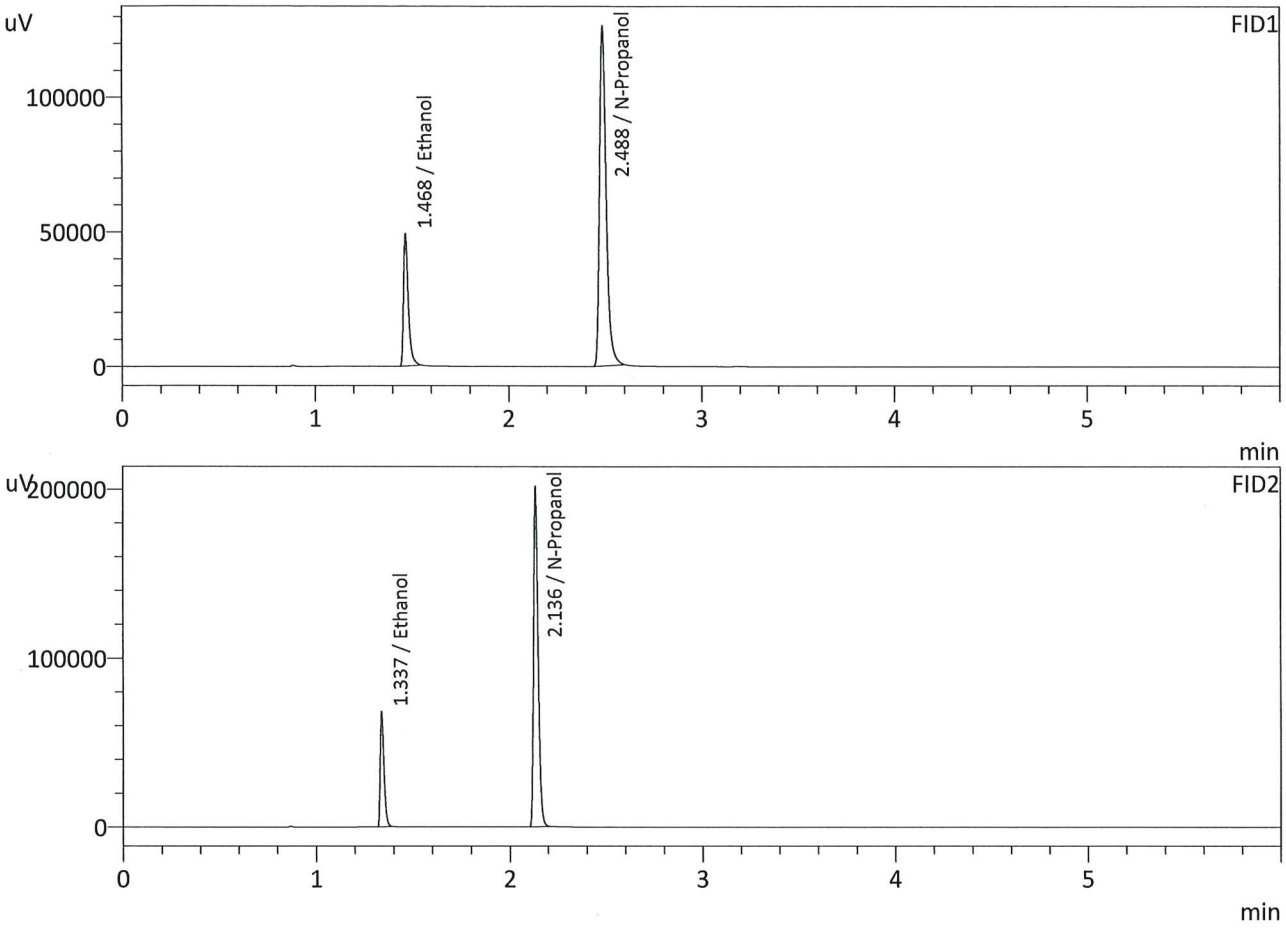
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1004	40119	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	303481	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1003	44337	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	335743	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.200
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 3:55:44 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

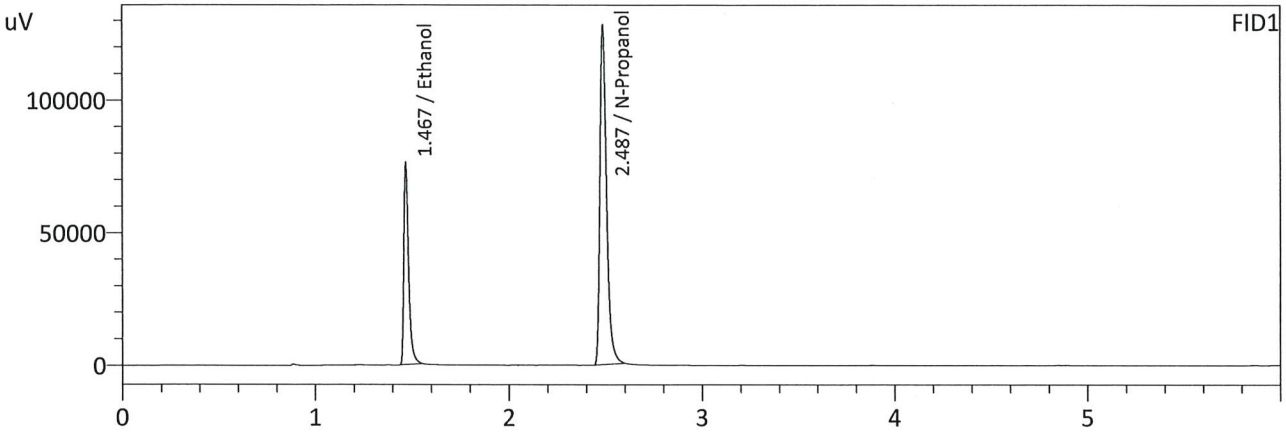
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1965	81929	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	301803	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

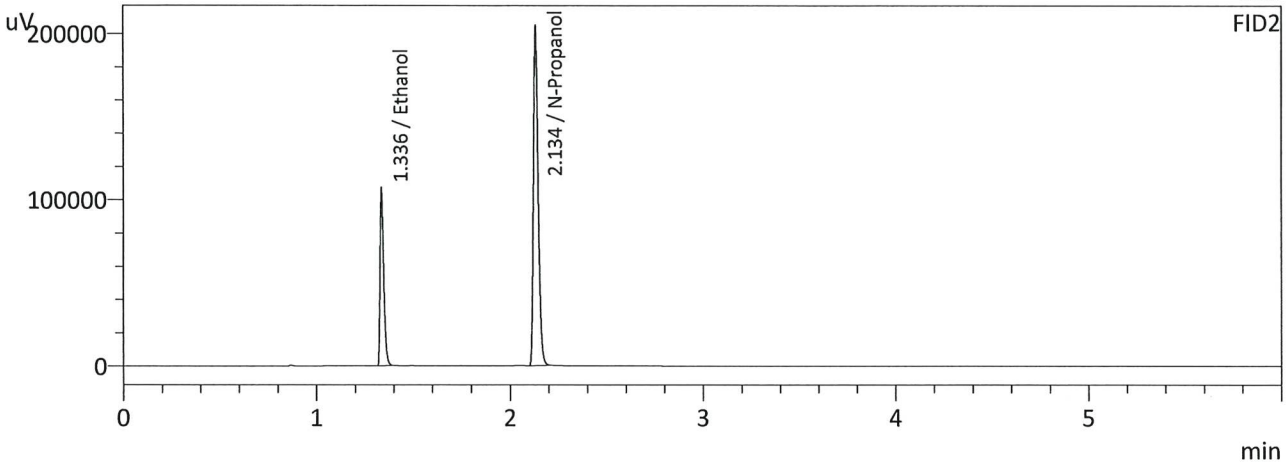
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1961	90976	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	333614	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.300
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 4:06:30 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

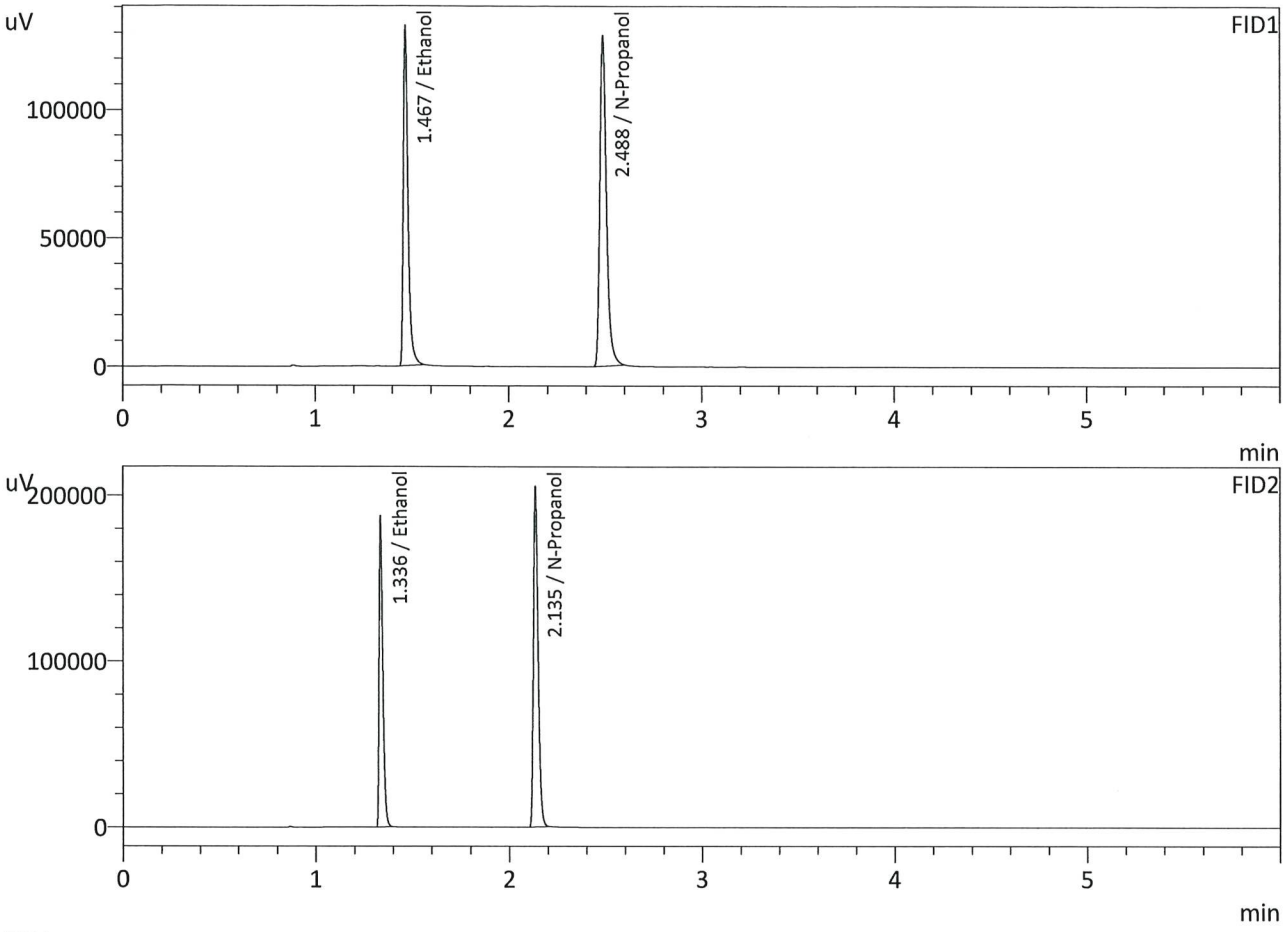
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2959	127399	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	306569	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2956	142003	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	339050	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.500
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 4:15:10 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5033	220193	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	307380	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

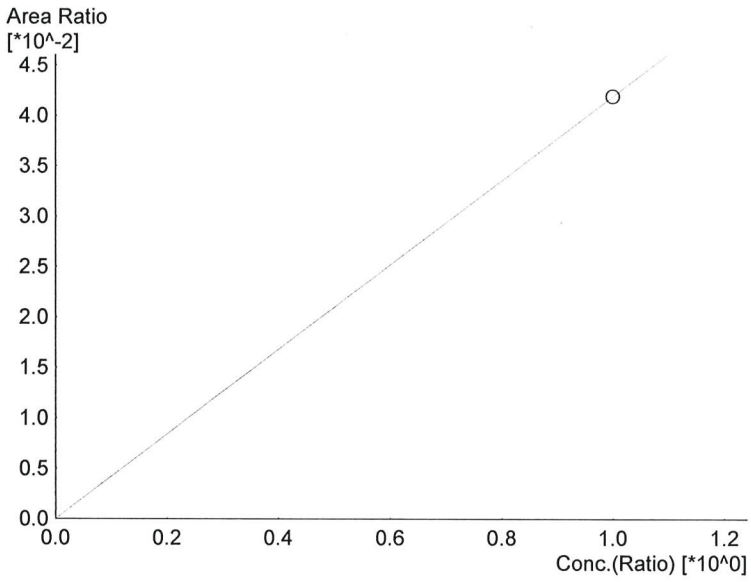
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5036	246109	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	339782	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Calibration Table

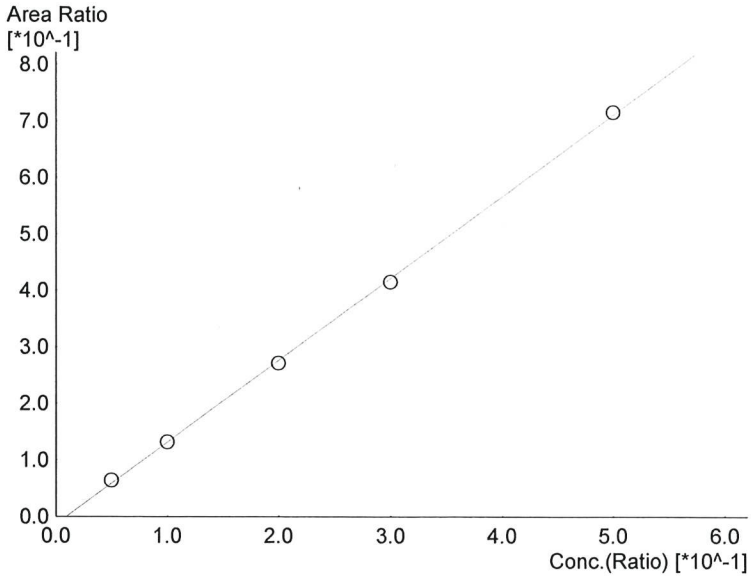
Laboratory : Coeur d' Alene
Instrument Name : Nexis GC2030
Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
Method File :C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\12-1-22\12-1-22.gcb
Date Acquired :12/1/2022 4:15:10 PM
Date Created :12/1/2022 4:12:38 PM
Date Modified :12/1/2022 4:21:11 PM



Name : Methanol
Detector Name: FID1
Function : f(x)=0.0419258*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

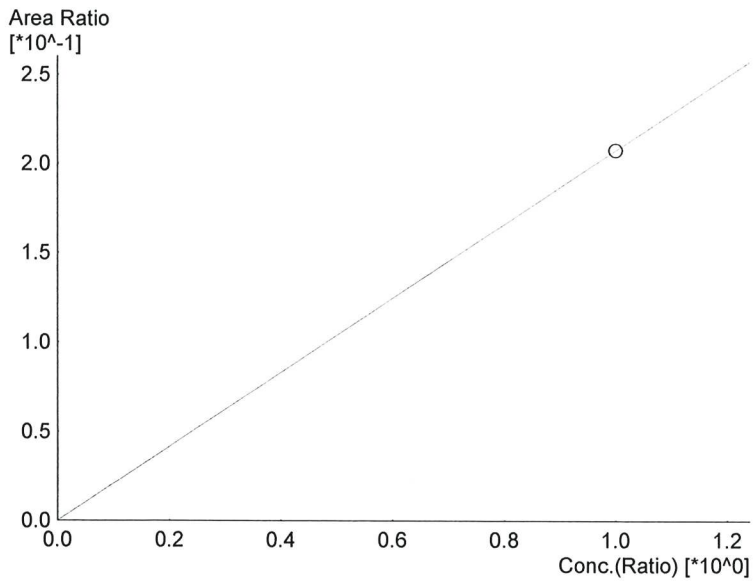
#	Conc.	Area	Std. Conc.
6	1.000	11326	1.0000



Name : Ethanol
Detector Name: FID1
Function : f(x)=1.44986*x-0.0134707
R^2 value= 0.9995769
FitType: Linear
ZeroThrough: Not Through

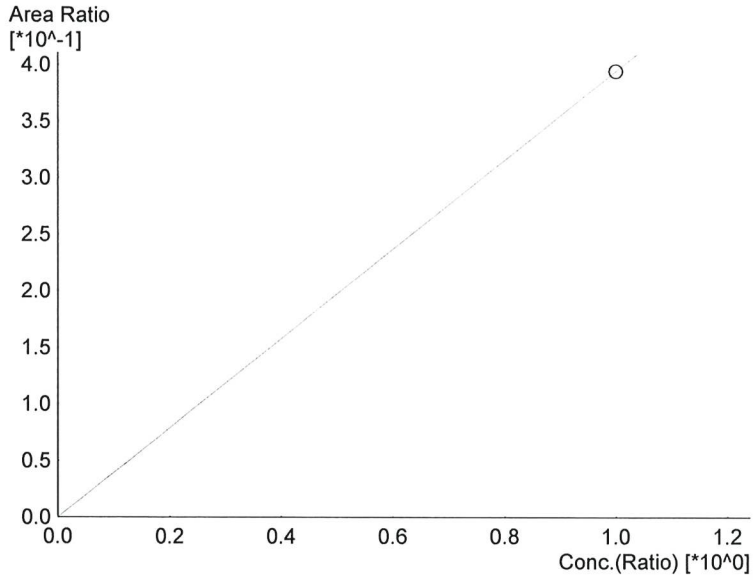
#	Conc.	Area	Std. Conc.
1	0.050	19366	0.0537
2	0.100	40119	0.1004
3	0.200	81929	0.1965
4	0.300	127399	0.2959
5	0.500	220193	0.5033

99



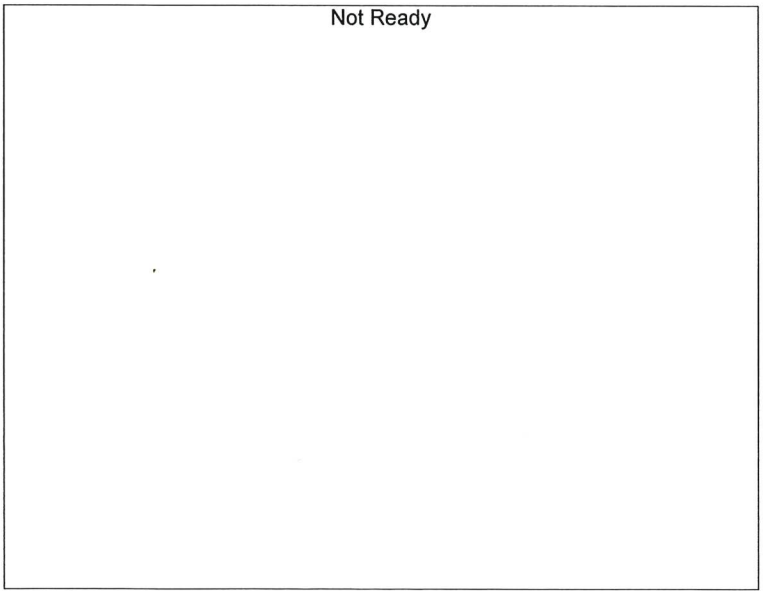
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0.207784*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	56130	1.0000



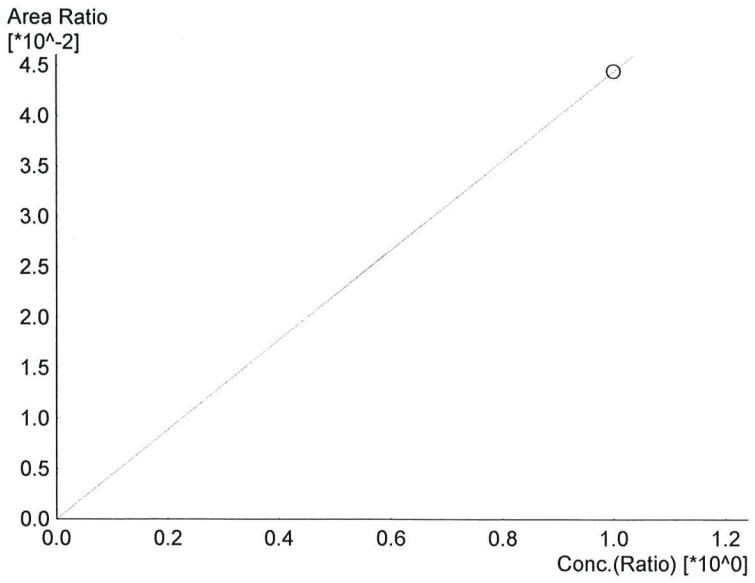
Name : Acetone
Detector Name: FID1
Function : f(x)=0.394509*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	106570	1.0000



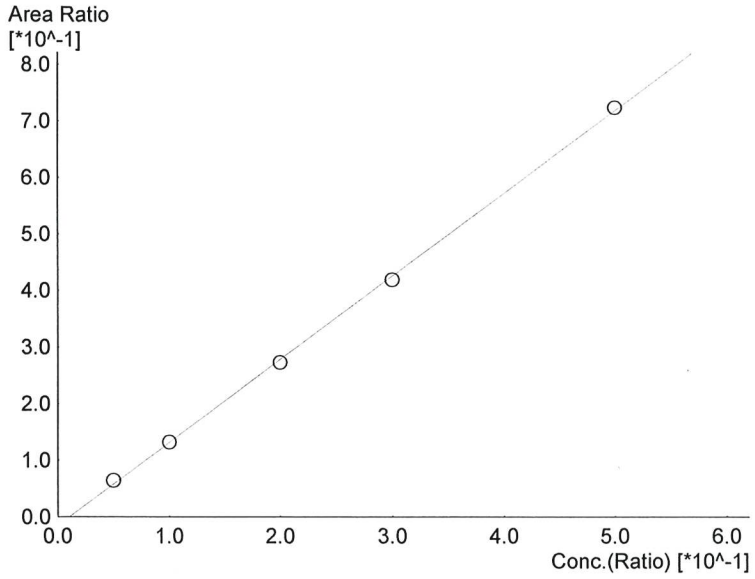
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



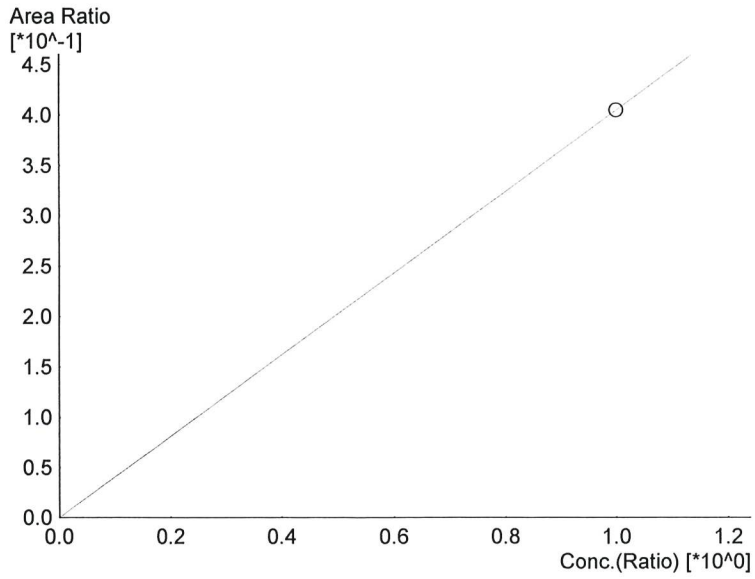
Name : Methanol
Detector Name: FID2
Function : f(x)=0.0444394*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	13402	1.0000



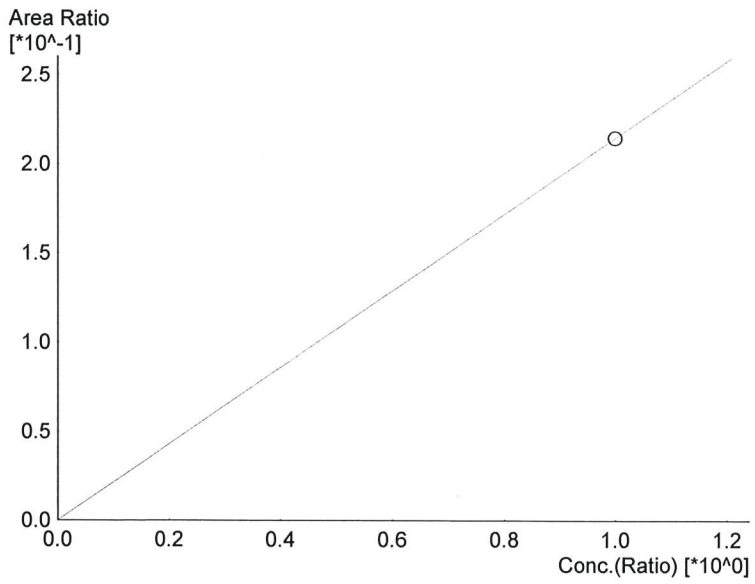
Name : Ethanol
Detector Name: FID2
Function : f(x)=1.46851*x-0.0153272
R^2 value= 0.9994919
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21367	0.0541
2	0.100	44337	0.1003
3	0.200	90976	0.1961
4	0.300	142003	0.2956
5	0.500	246109	0.5036



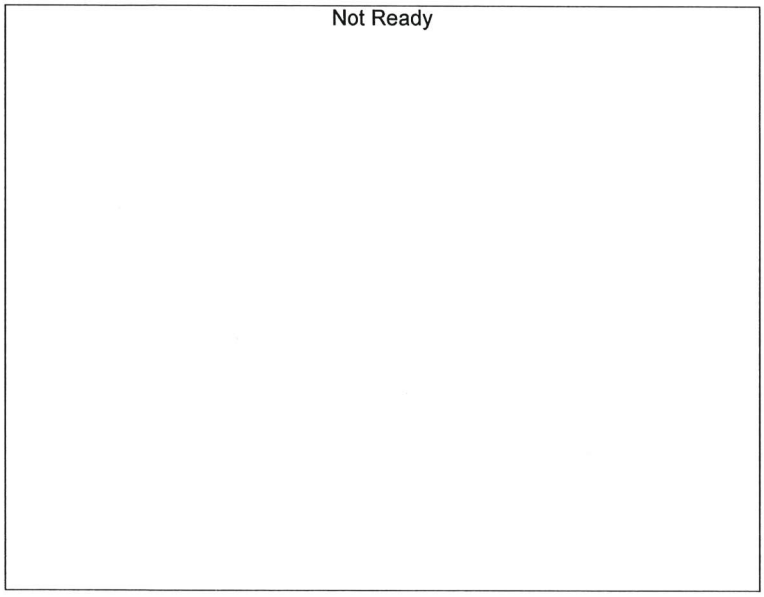
Name : Acetone
Detector Name: FID2
Function : f(x)=0.405472*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	122282	1.0000



Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0.214693*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

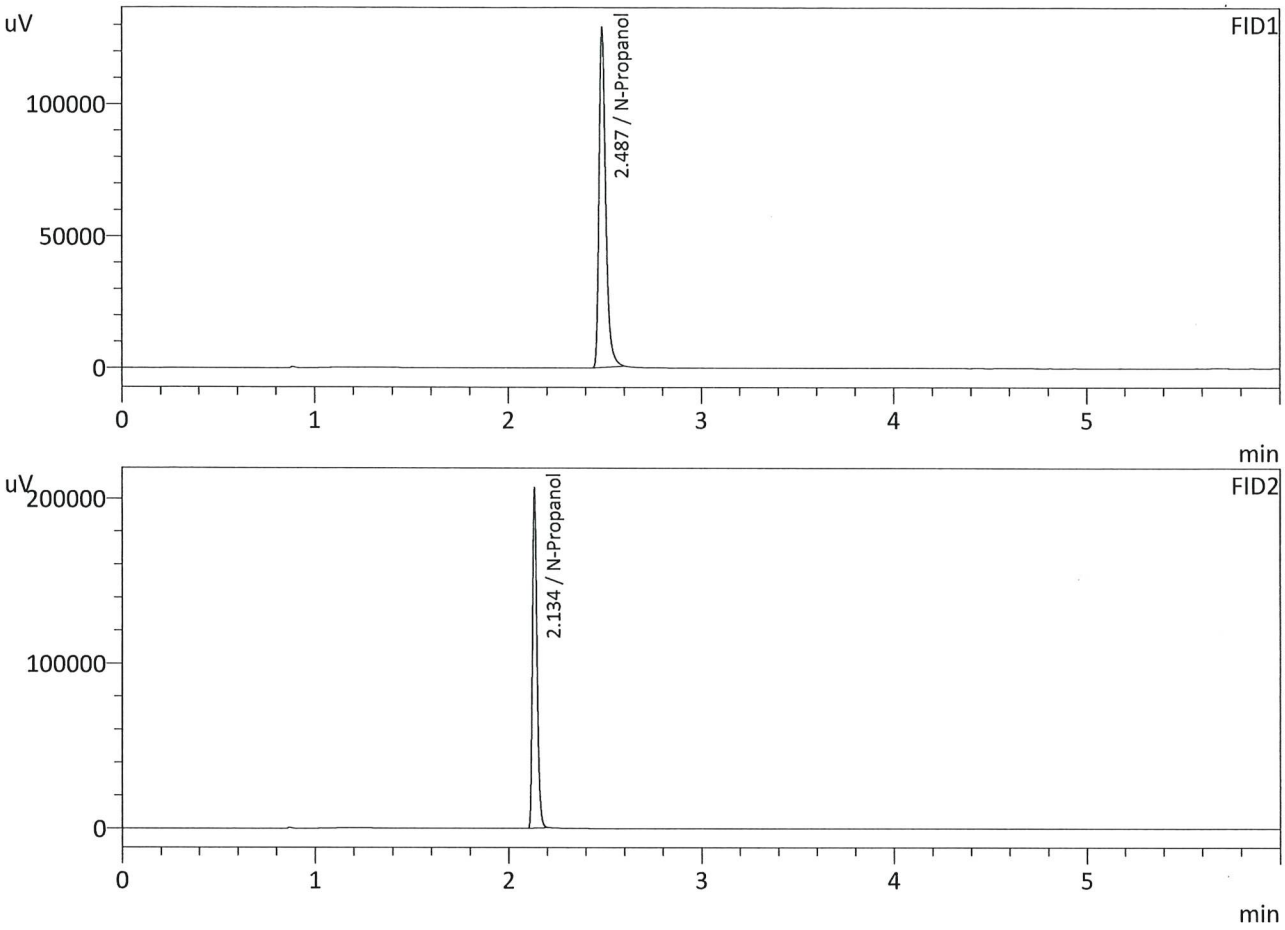
#	Conc.	Area	Std. Conc.
6	1.000	64747	1.0000



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.

Sample Name : INT STD BLK 2
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 4:25:53 PM
Vial # : 7
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

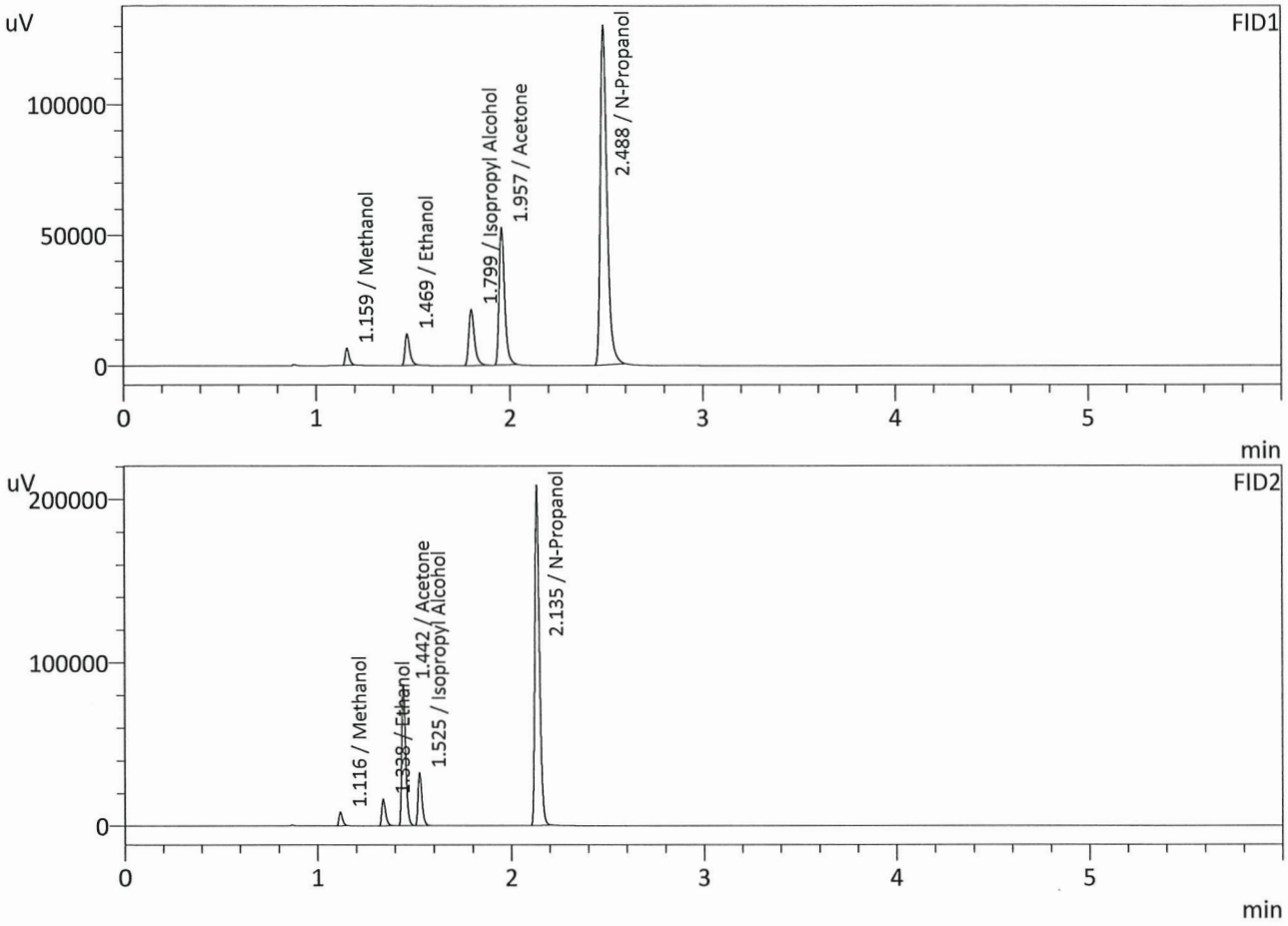
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	308127	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	341014	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : MULTI-COMP MIX
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 4:34:33 PM
Vial # : 8
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

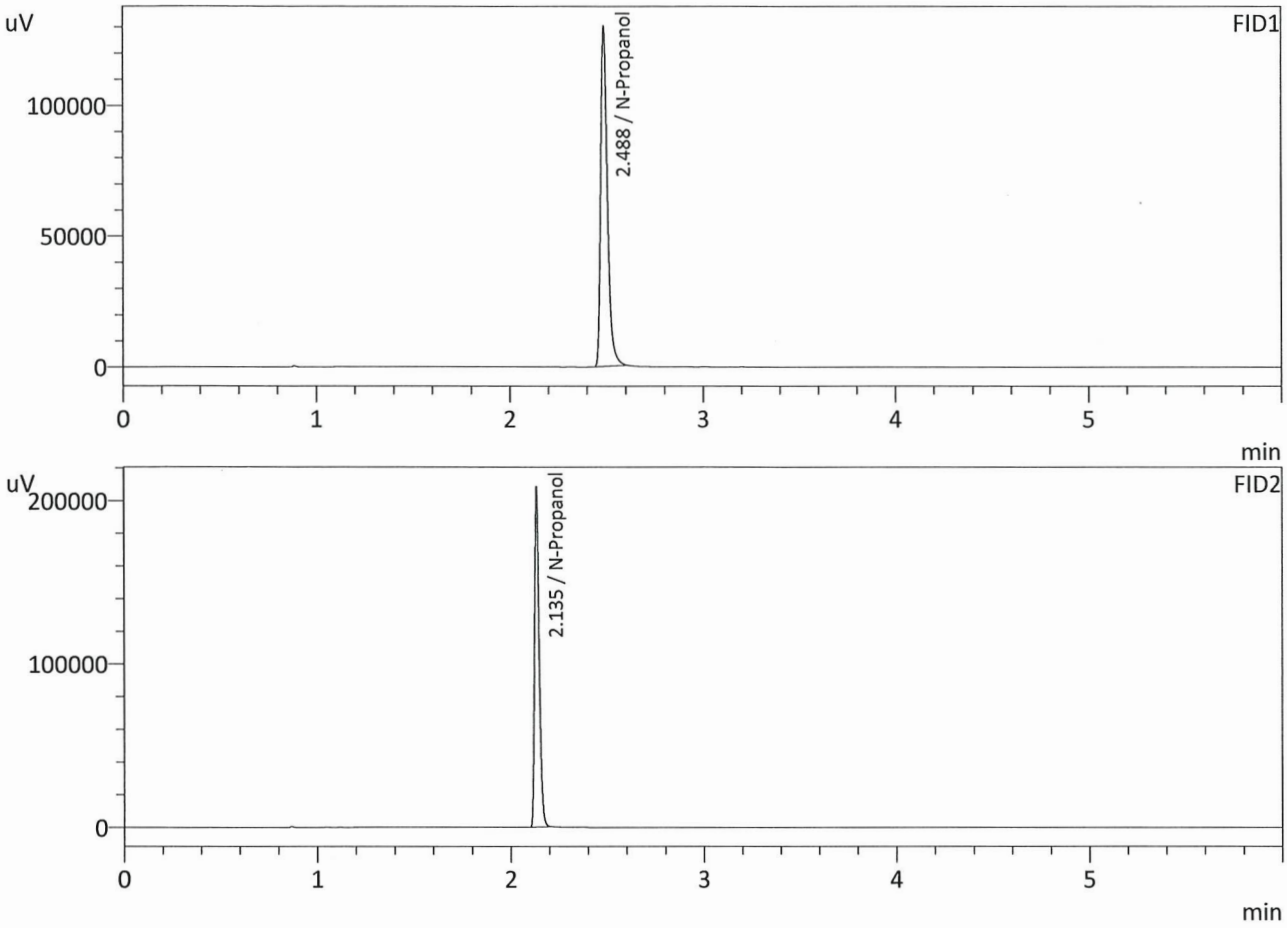
Name	Conc.	Area	Unit
Methanol	1.0000	9325	g/100cc
Ethanol	0.0537	20025	g/100cc
Isopropyl Alcohol	1.0000	43406	g/100cc
Acetone	1.0000	104477	g/100cc
N-Propanol	0.0000	310669	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	1.0000	10862	g/100cc
Ethanol	0.0549	22460	g/100cc
Acetone	1.0000	117962	g/100cc
Isopropyl Alcohol	1.0000	46515	g/100cc
N-Propanol	0.0000	343846	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 3
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 4:45:17 PM
Vial # : 9
Method Filename : C:\LabSolutions\Data\12-1-22\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	311651	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	344103	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1 **Item #1** **Analysis Date(s): 12/1/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0817	0.0820	0.0003	0.0818	0.0005	0.0816
(g/100cc)	0.0812	0.0815	0.0003	0.0813		

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%**

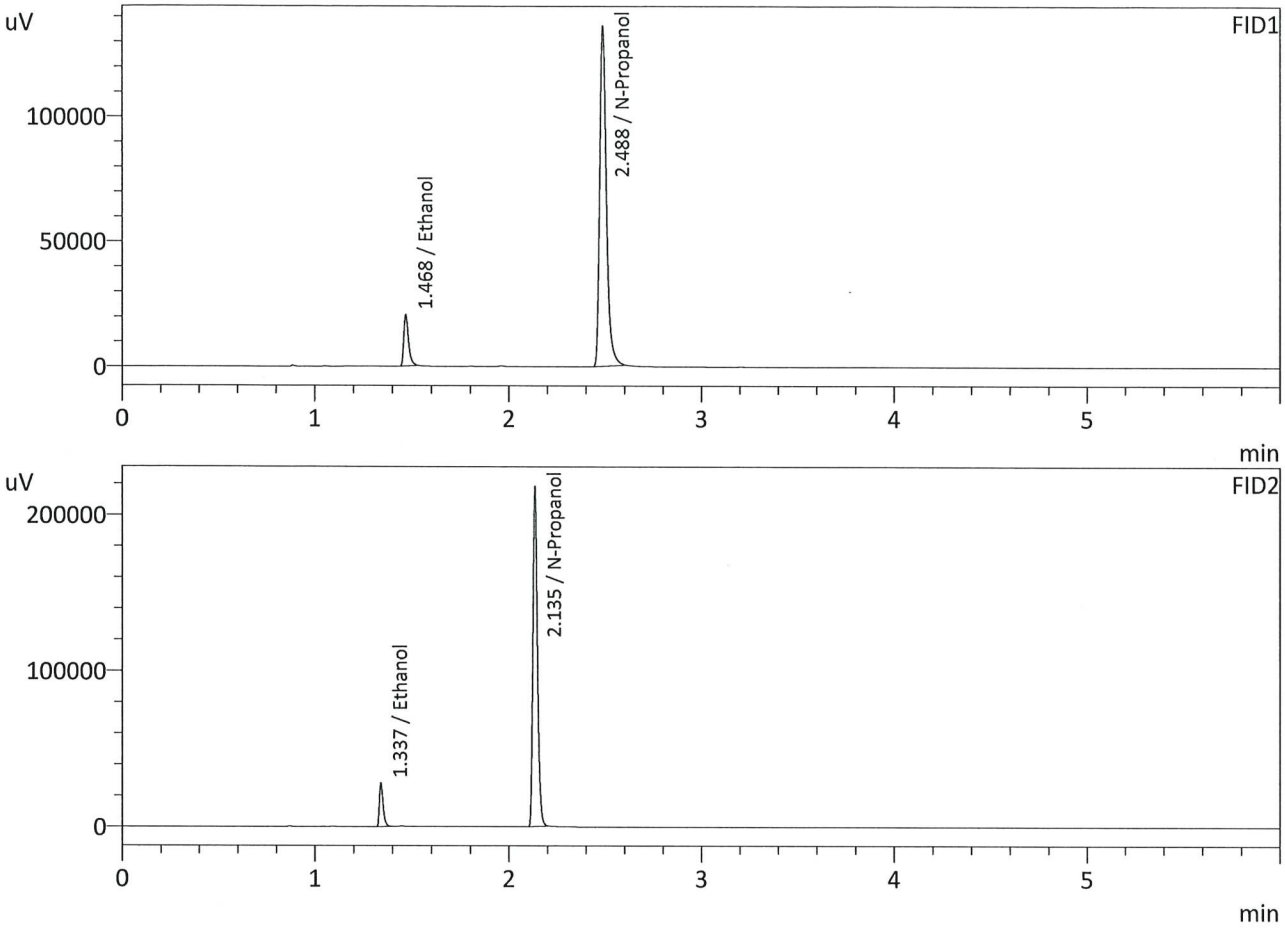
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	**0.076**	**0.086**	**0.005**

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

99

Sample Name : QC-1-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 4:53:56 PM
Vial # : 10
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

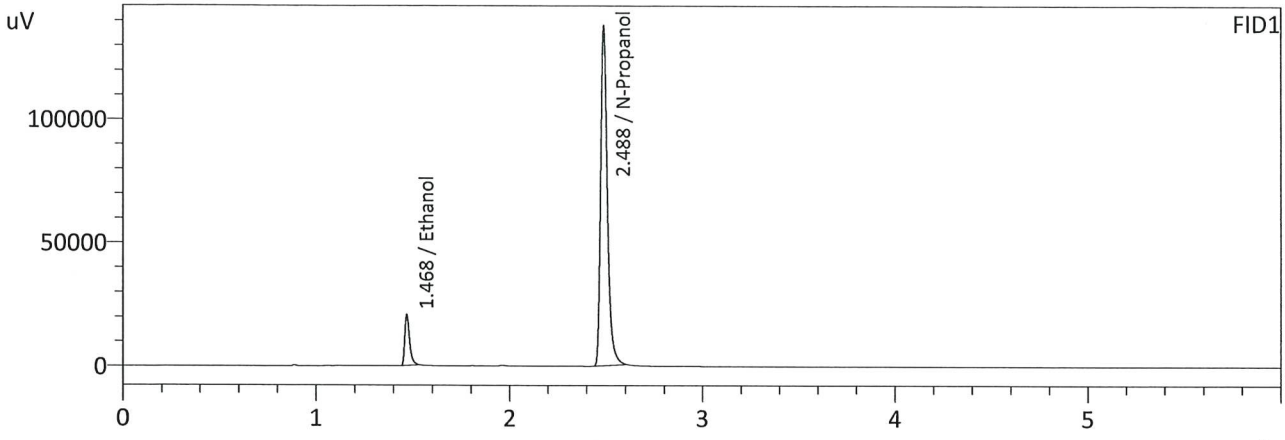
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	34282	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	326104	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

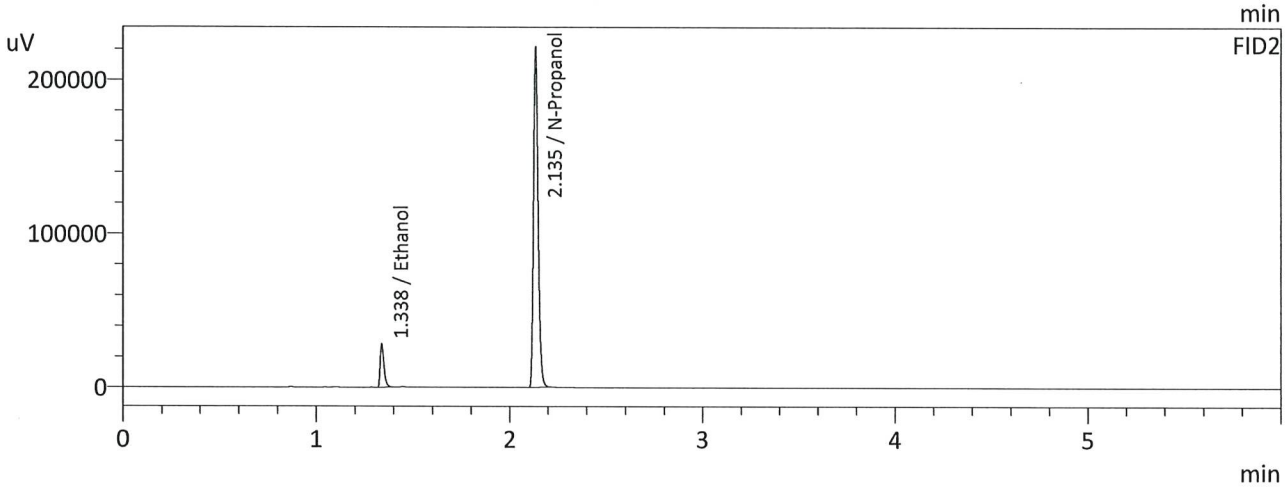
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	37860	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	360254	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-1-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 5:04:41 PM
Vial # : 11
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0812	34452	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	330266	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0815	38192	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	365577	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 **Item #1** **Analysis Date(s): 12/1/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0831	0.0835	0.0004	0.0833	0.0004	0.0831
(g/100cc)	0.0828	0.0831	0.0003	0.0829		

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

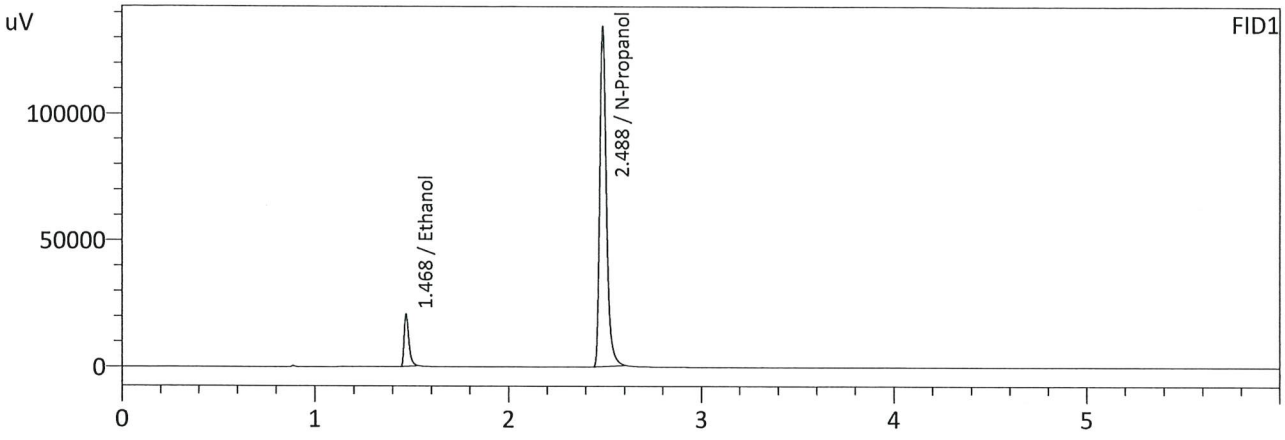
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

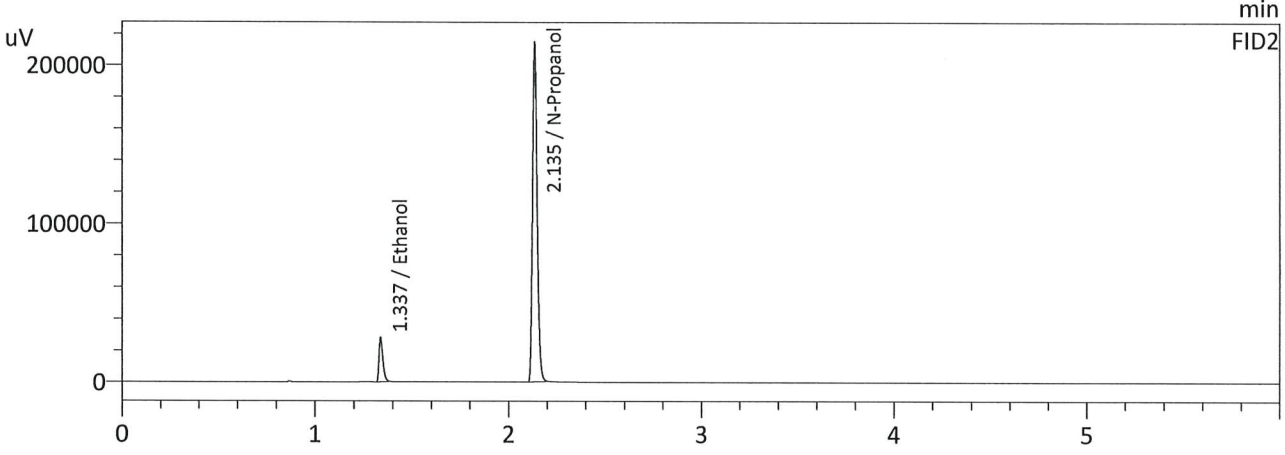
Overall Mean (g/100cc)	Low	High	5% of Mean
0.083	**0.078**	**0.088**	**0.005**

	Reported Result	
	0.083	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA - A
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 5:13:21 PM
Vial # : 12
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

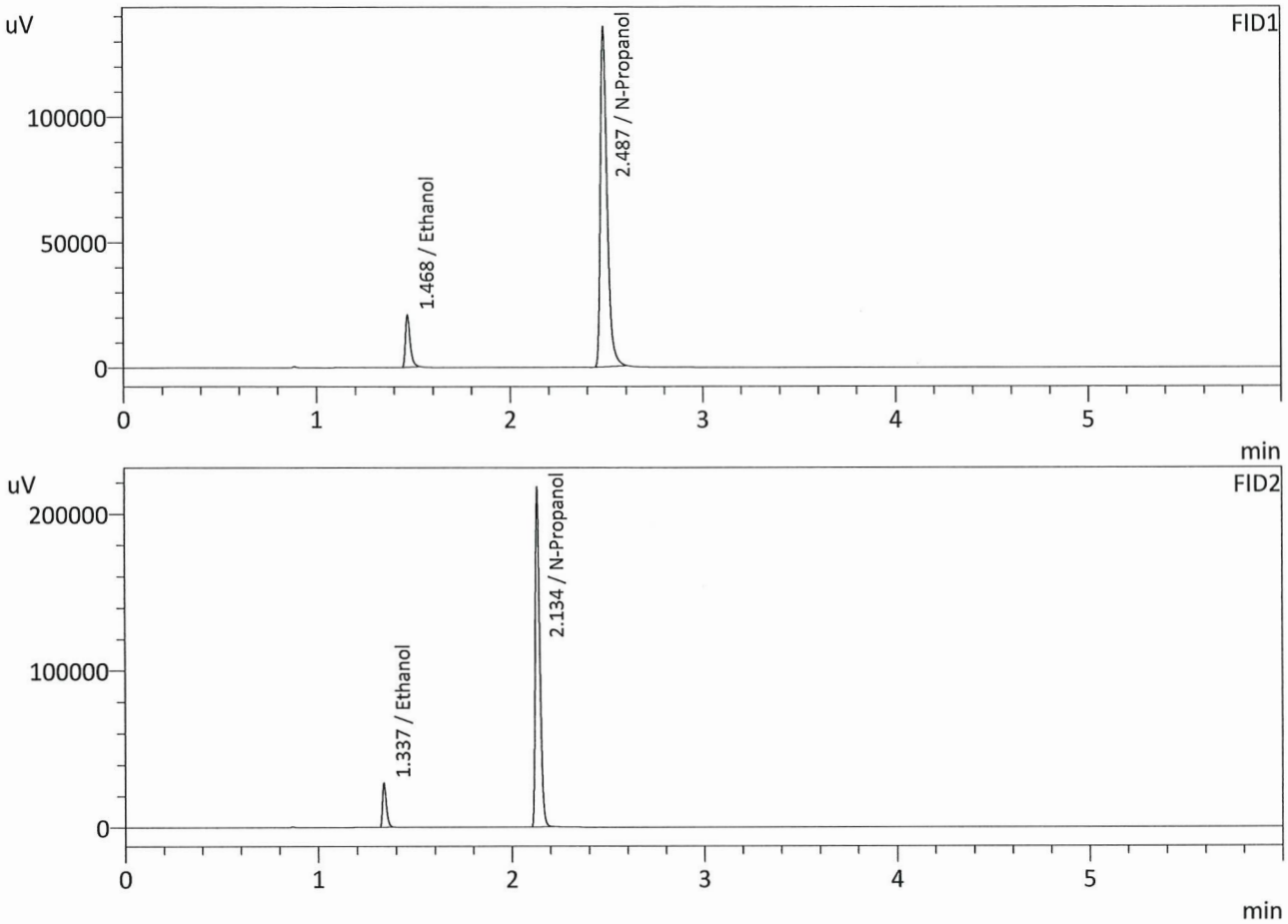
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	34451	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	321693	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	38100	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	354960	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.08 QA - B
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 5:24:06 PM
Vial # : 13
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	34641	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	324705	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	38353	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	358973	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2 **Item #1** **Analysis Date(s): 12/1/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2058	0.2058	0.0000	0.2058	0.0021	0.2068
(g/100cc)	0.2080	0.2078	0.0002	0.2079		

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
0.206	**0.195**	**0.217**	**0.011**

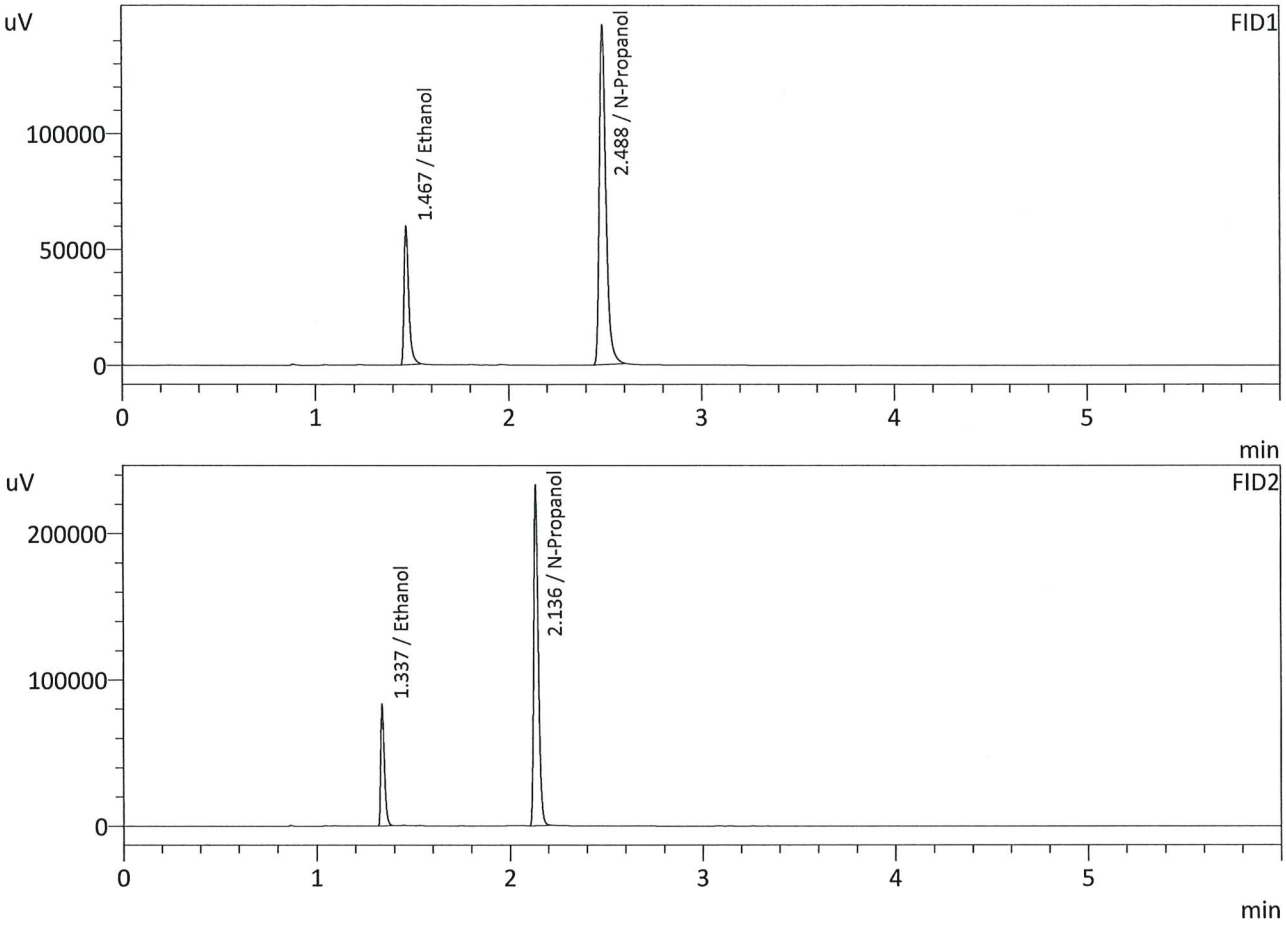
Reported Result

0.206

Calibration and control data are stored centrally.

99

Sample Name : QC-2-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 8:27:24 PM
Vial # : 32
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

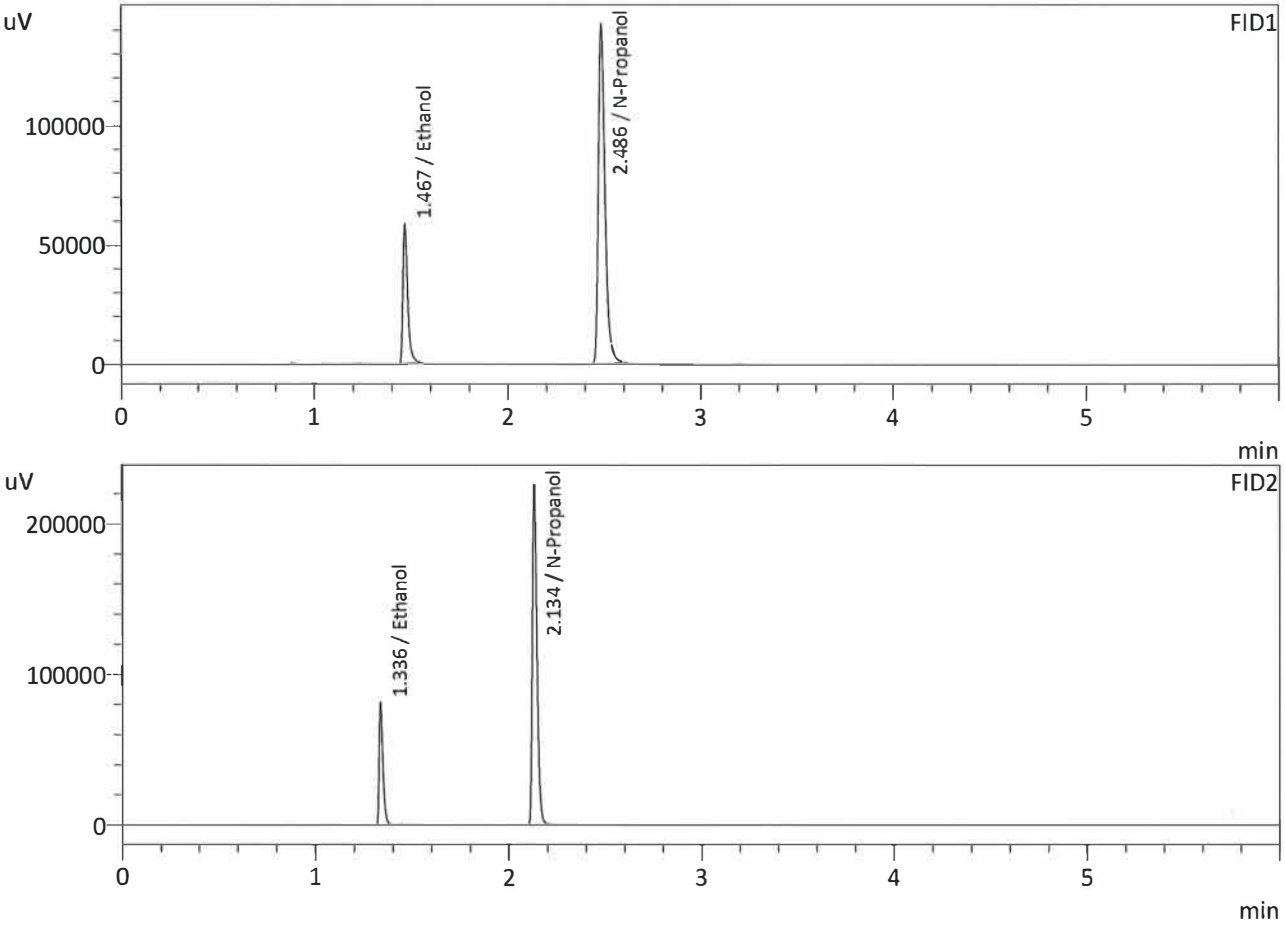
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2058	100086	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	351198	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2058	110495	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	385065	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 8:38:09 PM
Vial # : 33
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2080	98209	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	340879	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	108392	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	373859	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2 **Item #2** **Analysis Date(s): 11/15/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2082	0.2083	0.0001	0.2082	0.0018	0.2073
(g/100cc)	0.2064	0.2065	0.0001	0.2064		

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**

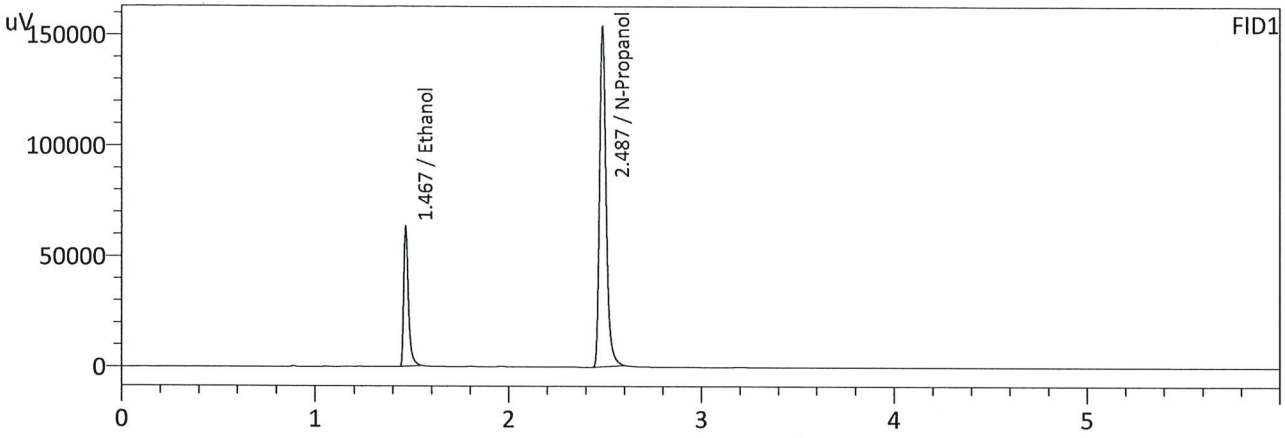
Reported Result

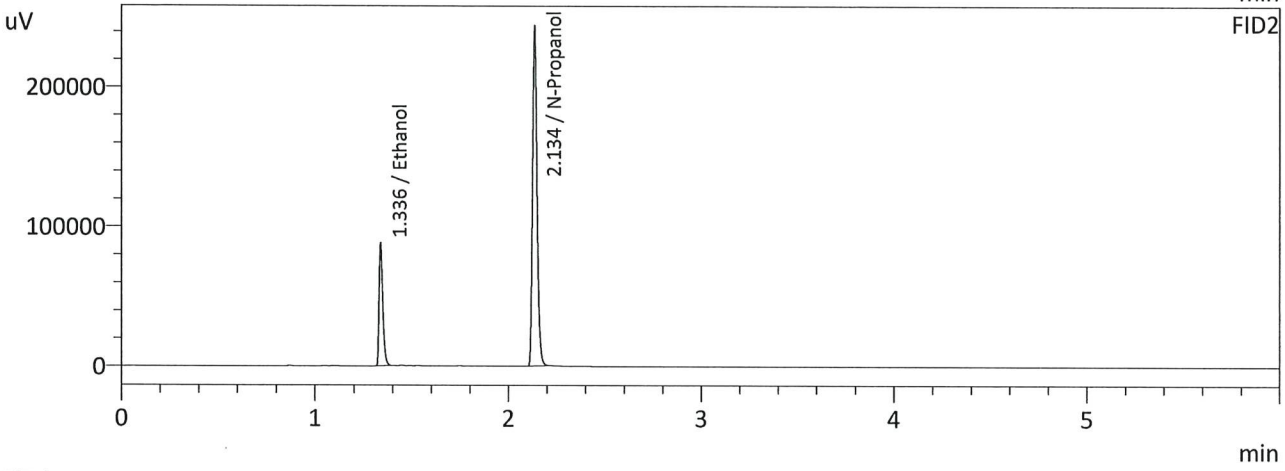
0.207

Calibration and control data are stored centrally.

99

Sample Name : QC-2-2-A
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 11:41:37 PM
Vial # : 52
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

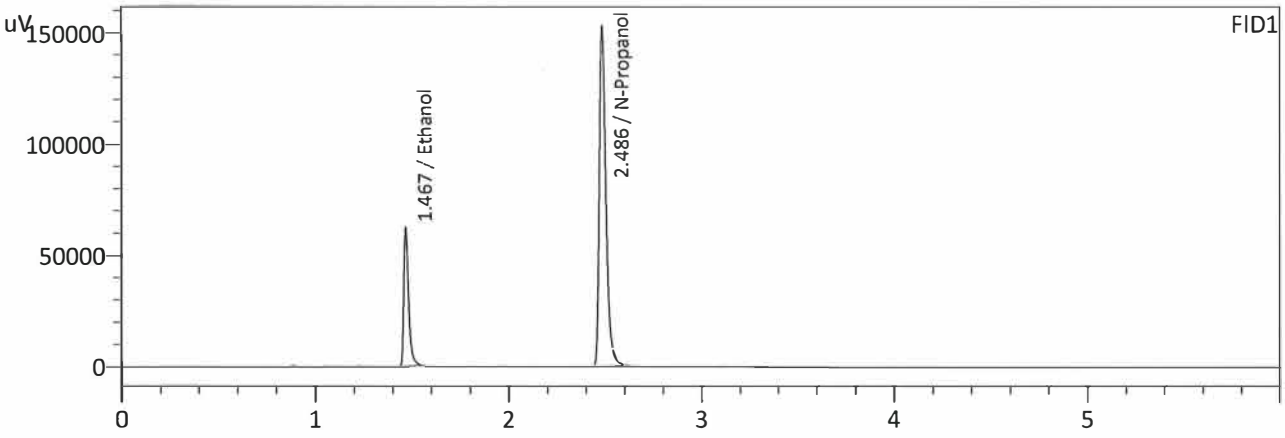
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2082	106113	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	367869	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

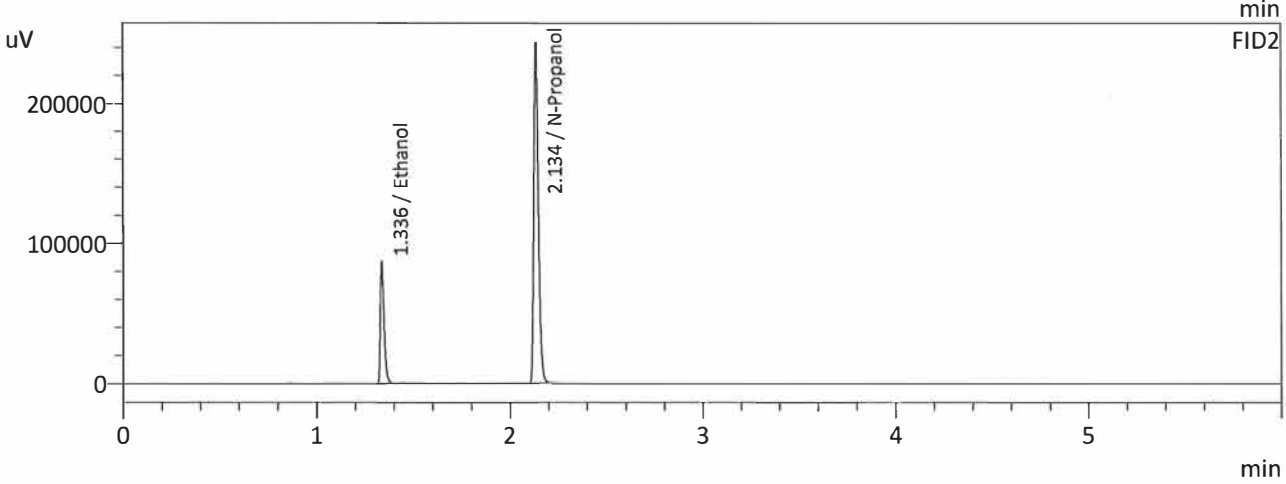
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2083	117156	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	403070	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-2-B
Laboratory : Coeur d' Alene Lab
Injection Date : 12/1/2022 11:52:22 PM
Vial # : 53
Method Filename : C:\LabSolutions\Data\12-1-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

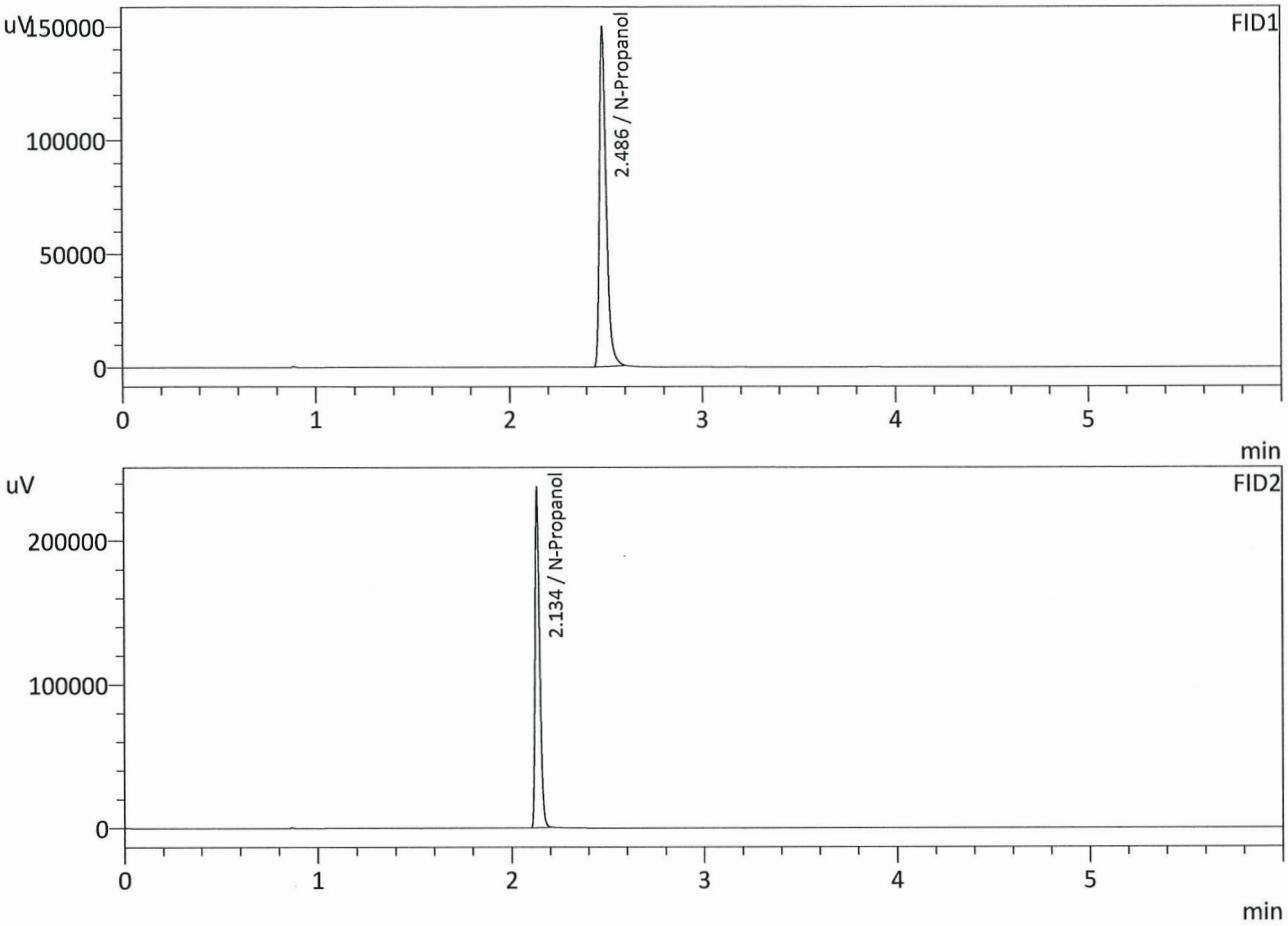
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2064	104532	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	365641	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2065	115549	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	401191	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 4
Laboratory : Coeur d' Alene Lab
Injection Date : 12/2/2022 12:00:54 AM
Vial # : 54
Method Filename : C:\LabSolutions\Data\12-1-22\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	357304	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	391517	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

99