REVIEWED

By Melissa (Nikka) Bradley at 1:17 pm, Aug 04, 2022

MB

8/1/2022

Worklist: 6045

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2022-1532	1	BCK	Alcohol Analysis
C2022-1552	1	BCK	Alcohol Analysis
C2022-1558	1	BCK	Alcohol Analysis
C2022-1561	1	BCK	Alcohol Analysis
C2022-1566	1	BCK	Alcohol Analysis
C2022-1567	1	BCK	Alcohol Analysis
C2022-1568	1	BCK	Alcohol Analysis
C2022-1593	1	BCK	Alcohol Analysis
C2022-1598	1	BCK	Alcohol Analysis
C2022-1598	2	BCK	Alcohol Analysis
C2022-1620	1	BCK	Alcohol Analysis
C2022-1621	1	BCK	Alcohol Analysis
C2022-1625	1	BCK	Alcohol Analysis
C2022-1630	1	BCK	Alcohol Analysis
C2022-1660	1	BCK	Alcohol Analysis
C2022-1661	1	BCK	Alcohol Analysis
C2022-1664	1	BCK	Alcohol Analysis
C2022-1677	1	BCK	Alcohol Analysis
C2022-1678	1	BCK	Alcohol Analysis
C2022-1693	1	BCK	Alcohol Analysis

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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

Vial#	Sample Name	Sample Type	Level#	Method File
85	equilbrate	0:Unknown	0	ALCOHOL.GCM
86	equilbrate	0:Unknown	0	ALCOHOL.GCM
87	equilbrate	0:Unknown	0	ALCOHOL.GCM
88	equilbrate	0:Unknown	0	ALCOHOL.GCM
89	equilbrate	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	C2022-1532-1-A	0:Unknown	0	ALCOHOL.GCM
15	C2022-1532-1-B	0:Unknown	0	ALCOHOL.GCM
16	C2022-1552-1-A	0:Unknown	0	ALCOHOL.GCM
17	C2022-1552-1-B	0:Unknown	0	ALCOHOL.GCM
18	C2022-1558-1-A	0:Unknown	0	ALCOHOL.GCM
19	C2022-1558-1-B	0:Unknown	0	ALCOHOL.GCM
20	C2022-1561-1-A	0:Unknown	0	ALCOHOL.GCM
21	C2022-1561-1-B	0:Unknown	0	ALCOHOL.GCM
22	C2022-1566-1-A	0:Unknown	0	ALCOHOL.GCM
23	C2022-1566-1-B	0:Unknown	0	ALCOHOL.GCM
24	C2022-1567-1-A	0:Unknown	0	ALCOHOL.GCM
25	C2022-1567-1-B	0:Unknown	0	ALCOHOL.GCM
26	C2022-1568-1-A	0:Unknown	0	ALCOHOL.GCM
27	C2022-1568-1-B	0:Unknown	0	ALCOHOL.GCM
28	C2022-1593-1-A	0:Unknown	0	ALCOHOL.GCM
29	C2022-1593-1-B	0:Unknown	0	ALCOHOL.GCM
30	C2022-1598-1-A	0:Unknown	0	ALCOHOL.GCM
31	C2022-1598-1-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	C2022-1598-2-A	0:Unknown	0	ALCOHOL.GCM
35	C2022-1598-2-B	0:Unknown	0	ALCOHOL.GCM
36	C2022-1620-1-A	0:Unknown	0	ALCOHOL.GCM
37	C2022-1620-1-B	0:Unknown	0	ALCOHOL.GCM
38	C2022-1621-1-A	0:Unknown	0	ALCOHOL.GCM
39	C2022-1621-1-B	0:Unknown	0	ALCOHOL.GCM
40	C2022-1625-1-A	0:Unknown	0	ALCOHOL.GCM
41	C2022-1625-1-B	0:Unknown	0	ALCOHOL.GCM
42	C2022-1630-1-A	0:Unknown	0	ALCOHOL.GCM
43	C2022-1630-1-B	0:Unknown	0	ALCOHOL.GCM
44	C2022-1660-1-A	0:Unknown	0	ALCOHOL.GCM
45	C2022-1660-1-B	0:Unknown	0	ALCOHOL.GCM
46	C2022-1661-1-A	0:Unknown	0	ALCOHOL.GCM
47	C2022-1661-1-B	0:Unknown	0	ALCOHOL.GCM
48	C2022-1664-1-A	0:Unknown	0	ALCOHOL.GCM
49	C2022-1664-1-B	0:Unknown	0	ALCOHOL.GCM
50	C2022-1677-1-A	0:Unknown	0	ALCOHOL.GCM
51	C2022-1677-1-B	0:Unknown	0	ALCOHOL.GCM
52	C2022-1678-1-A	0:Unknown	0	ALCOHOL.GCM
53	C2022-1678-1-B	0:Unknown	0	ALCOHOL.GCM
54	QC-2-1-A	0:Unknown	0	ALCOHOL.GCM

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Vial#	Sample Name	Sample Type	Level#	Method File
55	QC-2-1-B	0:Unknown	0	ALCOHOL.GCM
56	C2022-1693-1-A	0:Unknown	0	ALCOHOL.GCM
57	C2022-1693-1-	0:Unknown	0	ALCOHOL.GCM
58	B QC-2-2-A	0:Unknown	0	ALCOHOL.GCM
59	QC-2-2-B	0:Unknown	0	ALCOHOL.GCM
60	INT STD BLK 4	0:Unknown	0	ALCOHOL.GCM

REVIEWED

By Melissa (Nikka) Bradley at 3:53 pm, Aug 04, 2022

NB

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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): 8/2/2022**

Calibration Date: *(if different)*

Worklist #: Worklist #6045

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	19070006	0.0764	0.0688-0.0840	0.0799 g/100cc
					0.0785 g/100cc
					g/100cc
Level 2	Jul-23	19070007	0.2170	0.1953-0.2387	0.2129 ~~0.0213~~ g/100cc 8/4/22 JJ
					0.2132 g/100cc
					g/100cc
Multi-Component mixture:		**Exp:**	**July 31, 2024**	**Lot #**	FN04231907 OK
Curve Fit:			**Column 1**	0.99983	**Column2** 0.99971

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0524	0.0529	0.0005	0.0526
100	0.100	0.090 - 0.110	0.1002	0.1007	0.0005	0.1004
200	0.200	0.180 - 0.220	0.1969	0.1960	0.0009	0.1964
300	0.300	0.270 - 0.330	0.2984	0.2977	0.0007	0.298
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5018	0.5025	0.0007	0.5021

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.082 g/100cc

JJ

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

Internal Standard Monitoring Worksheet

Worklist #:	Worklist #6045	Run Date(s):	8/2/2022

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

Sample Name	Column 1 Value	Column 2 Value
0.080	217925	244875
0.080	220422	247590
QC1	217220	243561
QC1	221628	248701
QC1	251147	279614
QC1	239746	267112
QC1		
QC1		
QC2	254424	283080
QC2	254319	282192
QC2	259540	288474
QC2	256882	285220
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	239325.3	191460.2	287190.4
Column 2	267041.9	213633.5	320450.3

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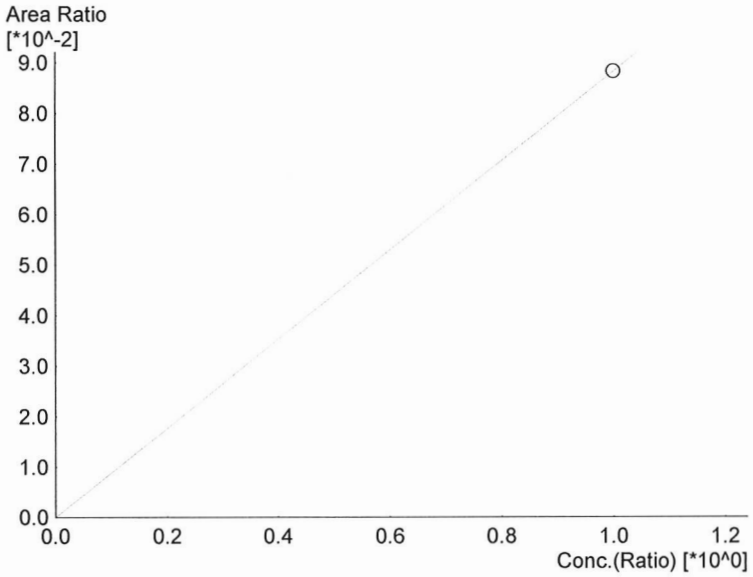
Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Calibration Table

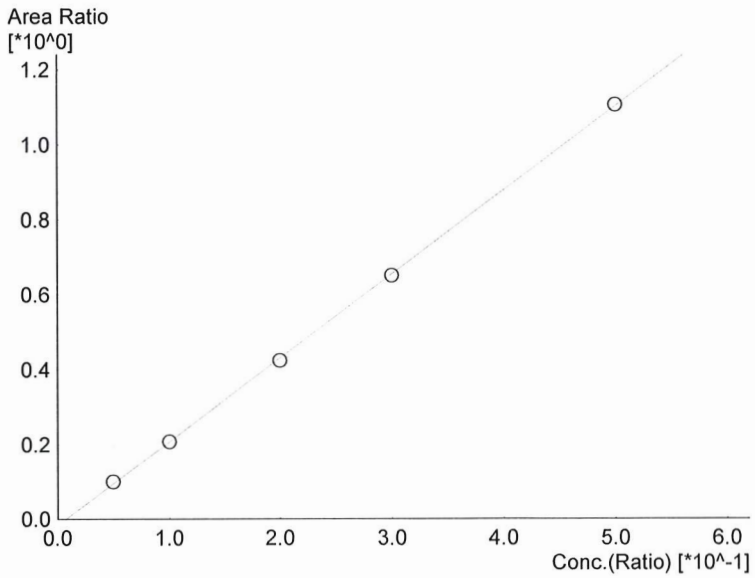
Laboratory : Coeur d' Alene
Instrument Name : Nexis GC2030
Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
Method File :C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\8-2-22\8-2-22.gcb
Date Acquired :8/2/2022 3:38:27 PM
Date Created :8/2/2022 3:34:09 PM
Date Modified :8/3/2022 9:19:42 AM



Name : Methanol
Detector Name: FID1
Function : f(x)=0.0882804*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	13974	1.0000



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.23727*x-0.0169987
R^2 value= 0.9998303
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20622	0.0524
2	0.100	42147	0.1002
3	0.200	86847	0.1969
4	0.300	133557	0.2984
5	0.500	233308	0.5018

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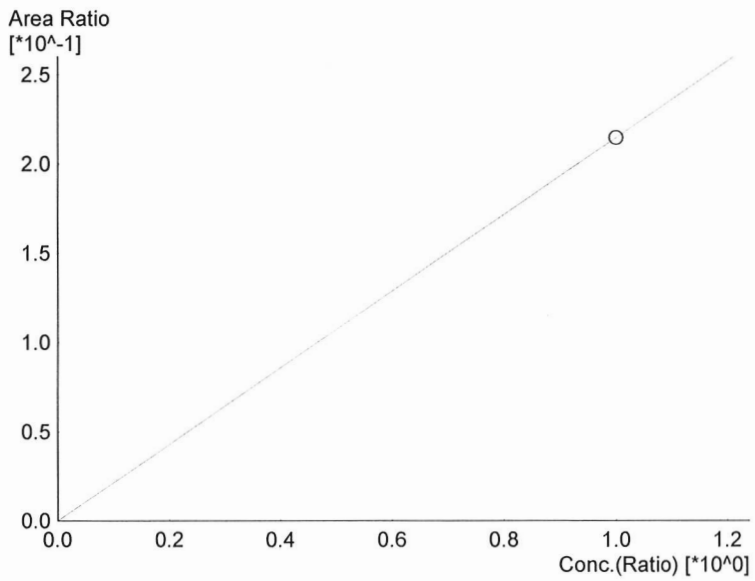


Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0.214485*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	33951	1.0000

Not Ready

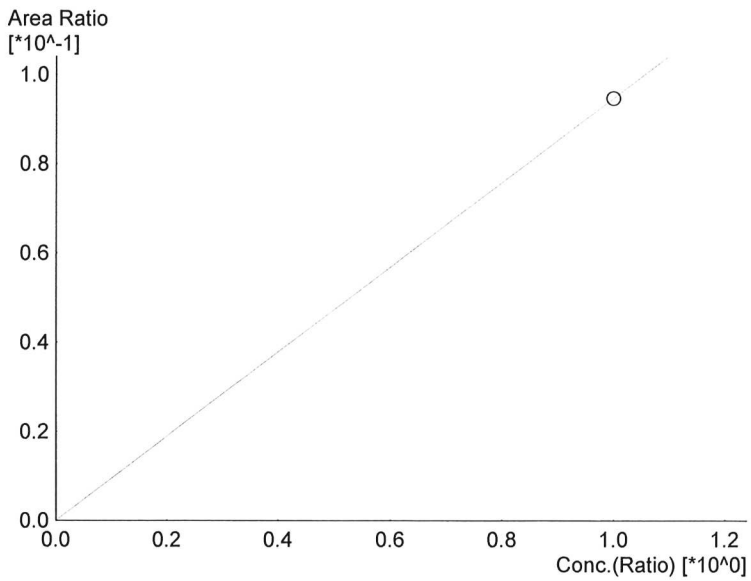
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

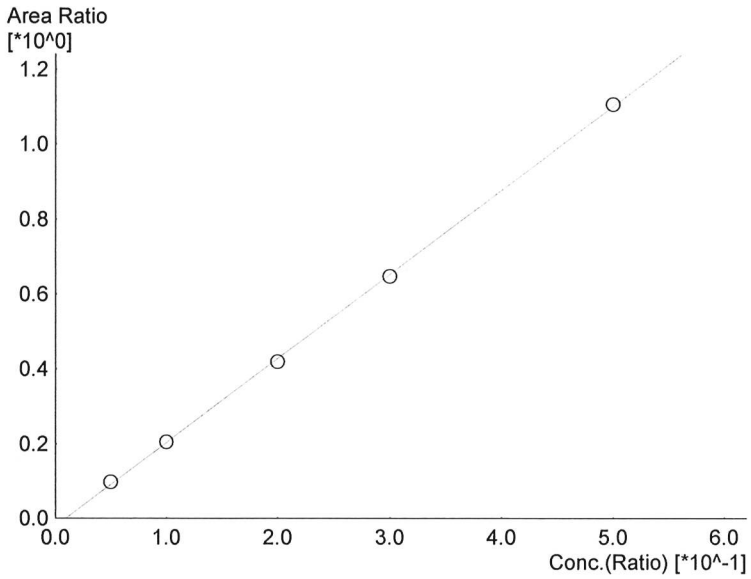
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



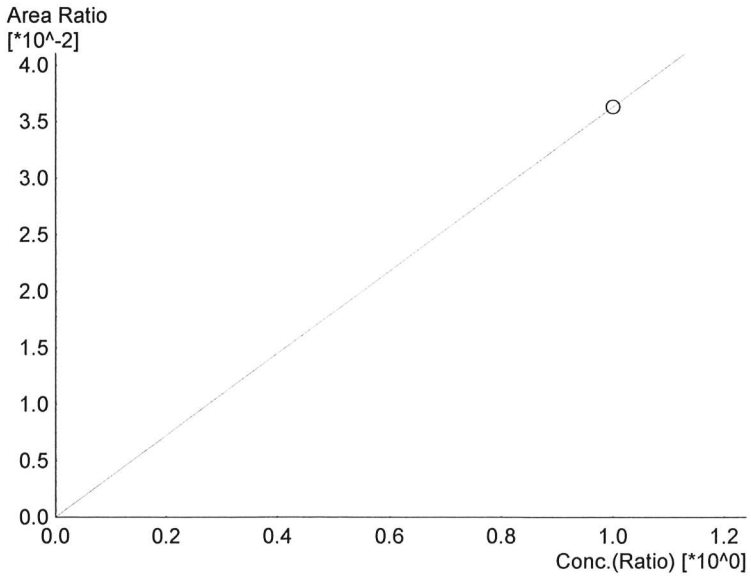
Name : Methanol
Detector Name: FID2
Function : f(x)=0.0946918*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	16813	1.0000



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.24432*x-0.0212388
R^2 value= 0.9997147
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	22398	0.0529
2	0.100	46635	0.1007
3	0.200	96169	0.1960
4	0.300	148881	0.2977
5	0.500	261915	0.5025



Name : Acetone
Detector Name: FID2
Function : f(x)=0.0363090*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	6447	1.0000

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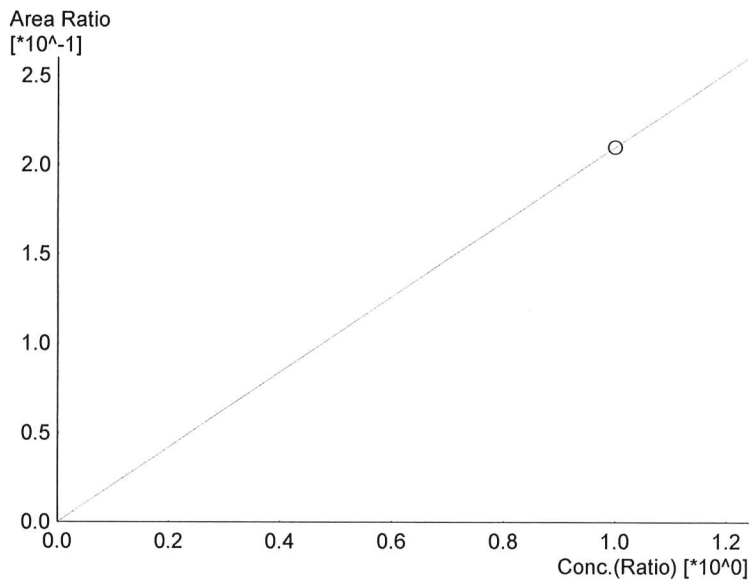
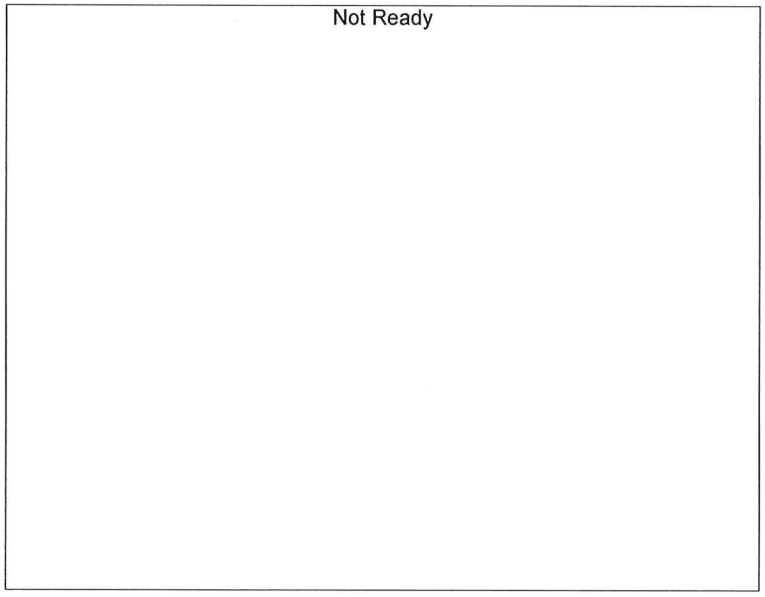


Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0.210031*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

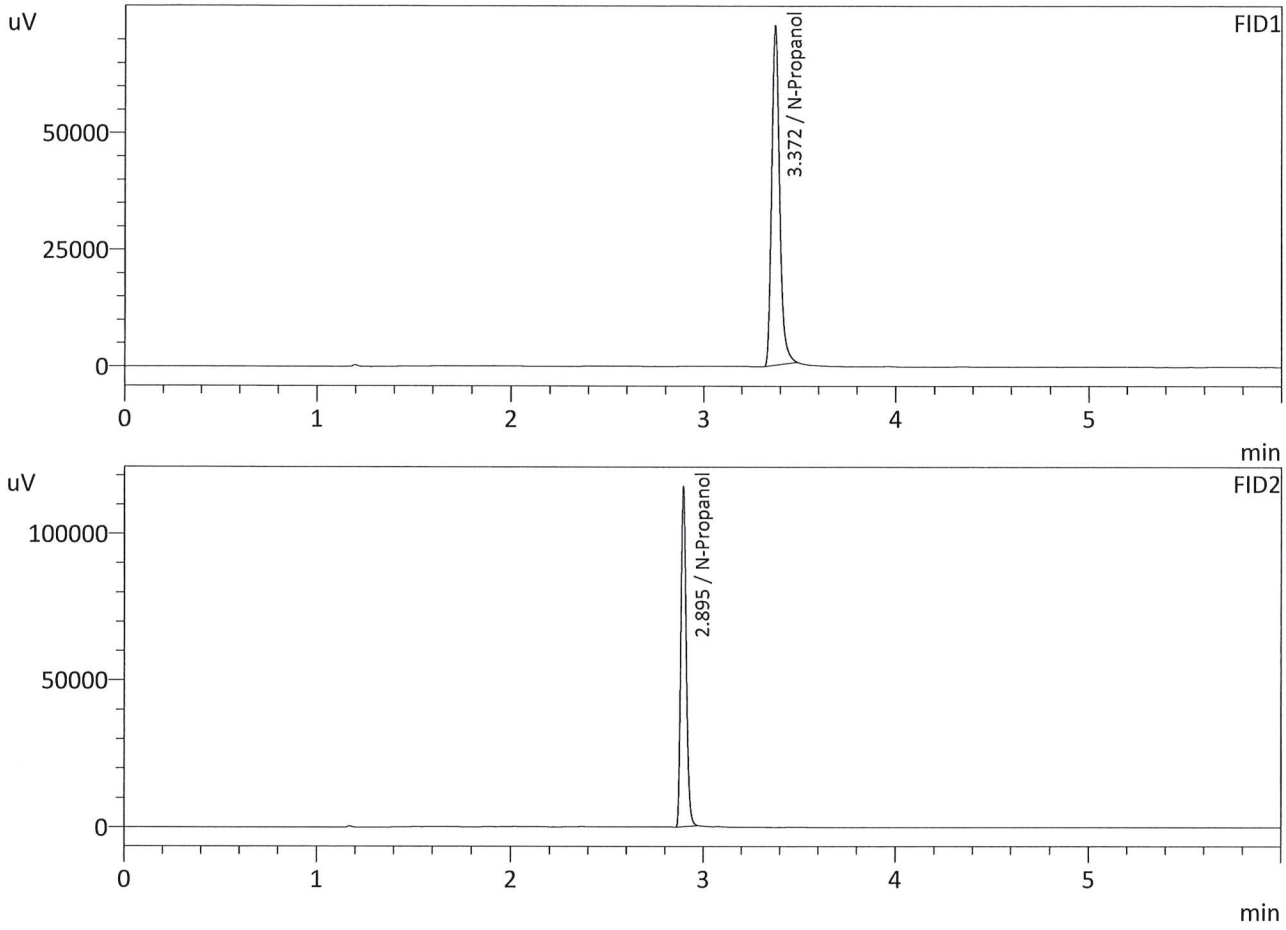
#	Conc.	Area	Std. Conc.
6	1.000	37292	1.0000



Name : Fluor. 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 1
Laboratory	: Coeur d' Alene Lab
Injection Date	: 8/2/2022 2:48:24 PM
Vial #	: 1
Method Filename	: C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS	: C12255850700 / C12595700181



FID1

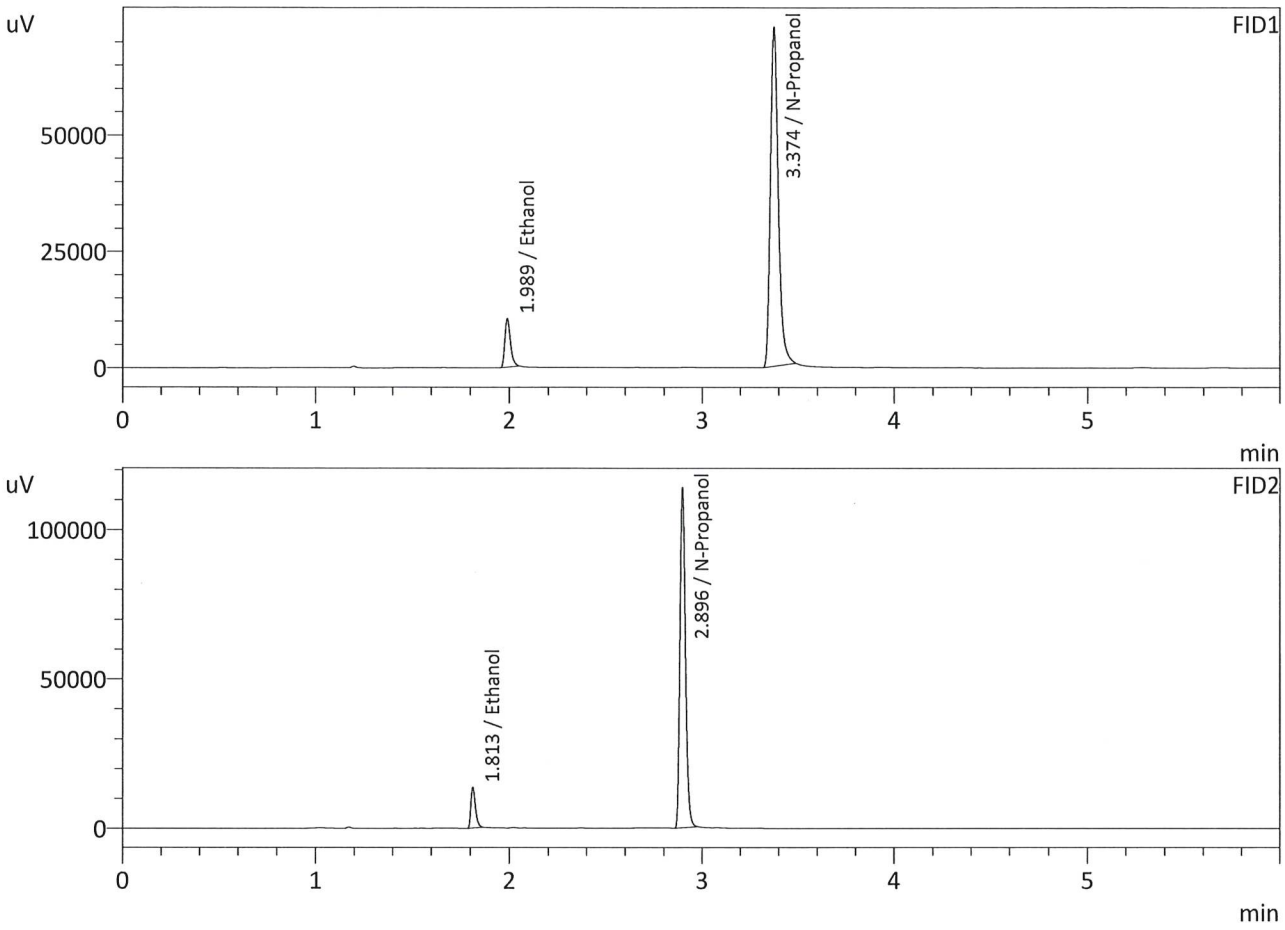
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207208	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	230934	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.050
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 2:58:55 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

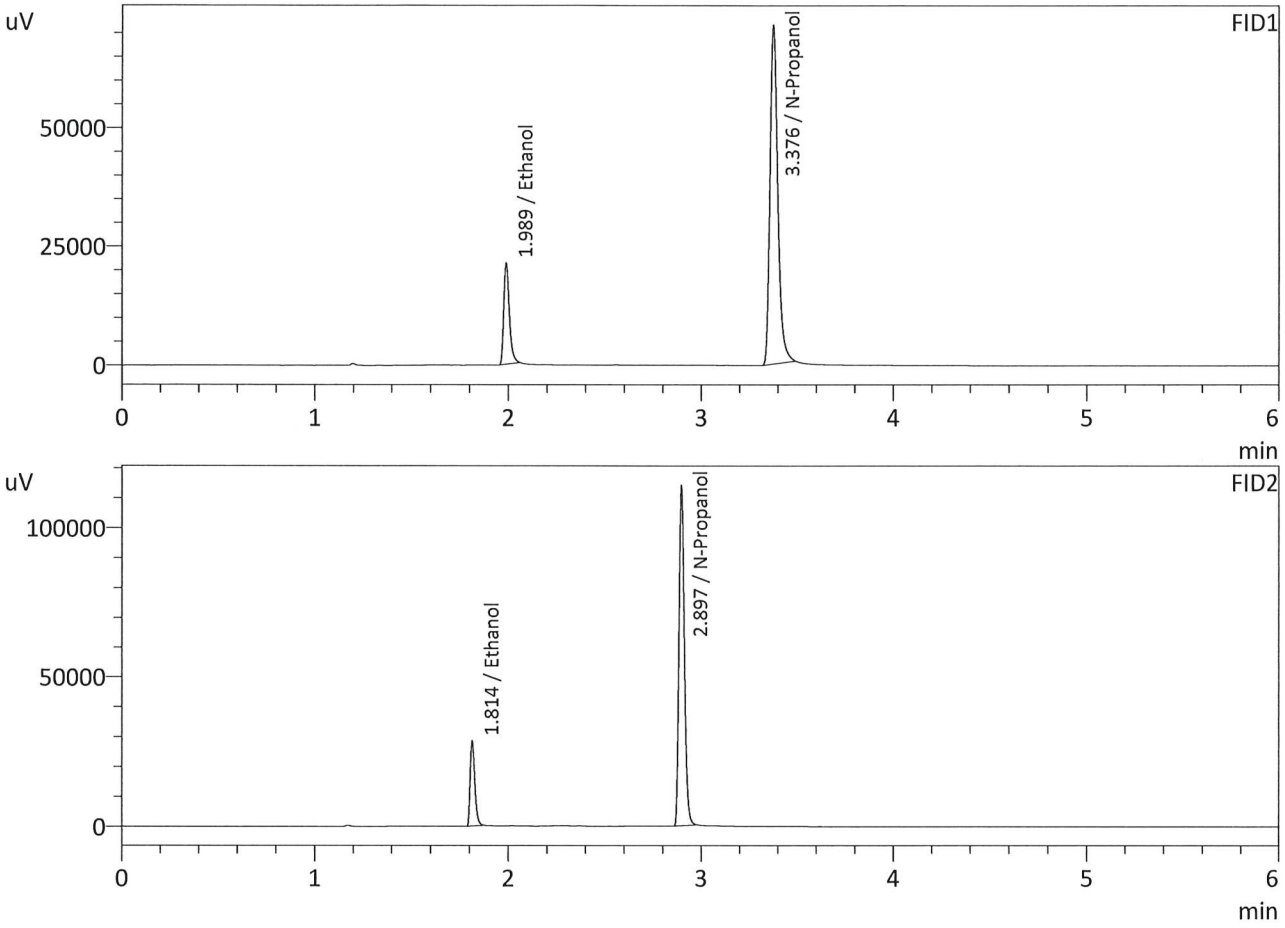
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0524	20622	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205312	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0529	22398	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229305	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.100
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 3:08:13 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1002	42147	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203238	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1007	46635	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227639	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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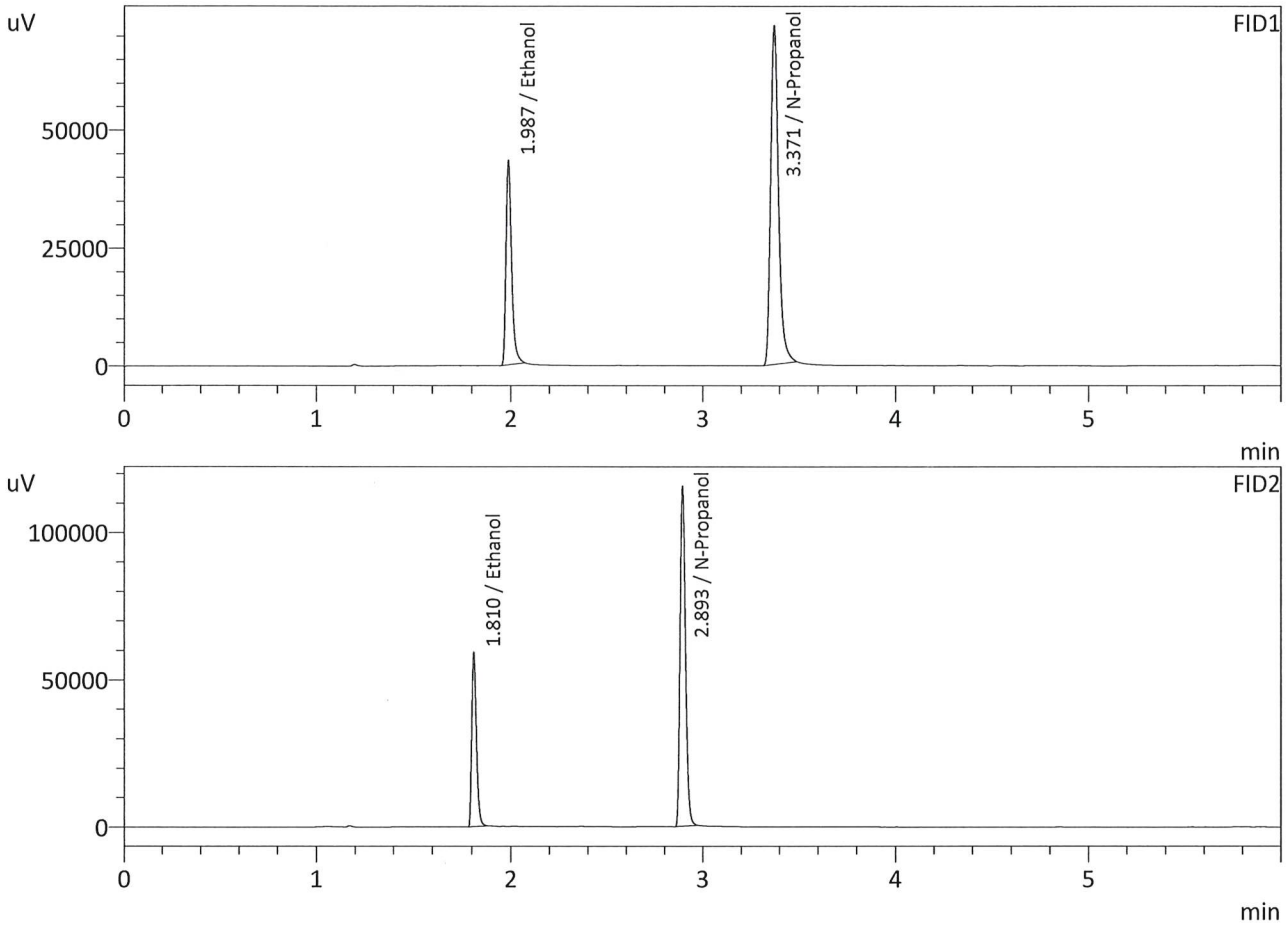
Sample Name	: 0.200
Laboratory	: Coeur d' Alene Lab
Injection Date	: 8/2/2022 3:18:42 PM
Vial #	: 4
Method Filename	: C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS	: C12255850700 / C12595700181



FID1

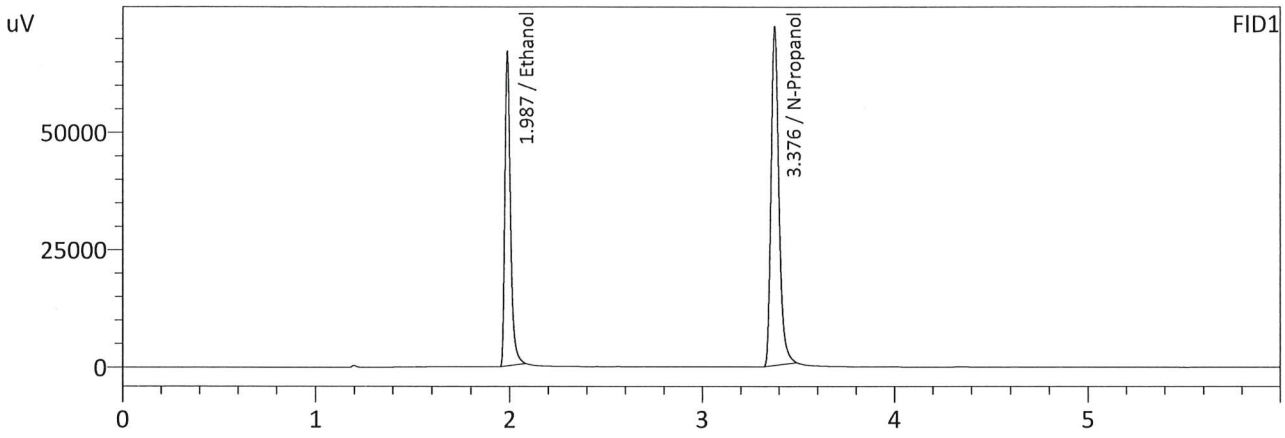
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1969	86847	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205018	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

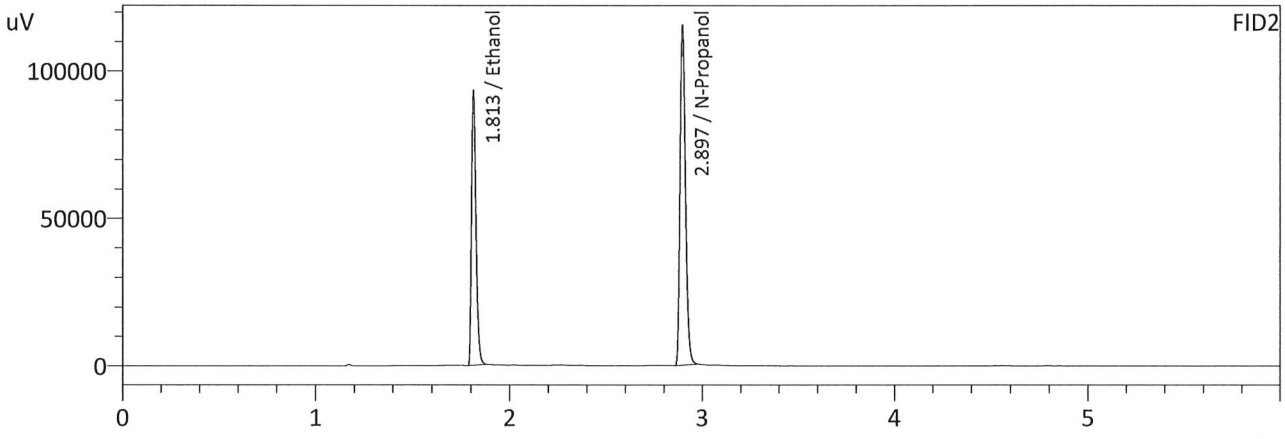
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1960	96169	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229641	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.300
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 3:28:00 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2984	133557	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205277	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2977	148881	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	230141	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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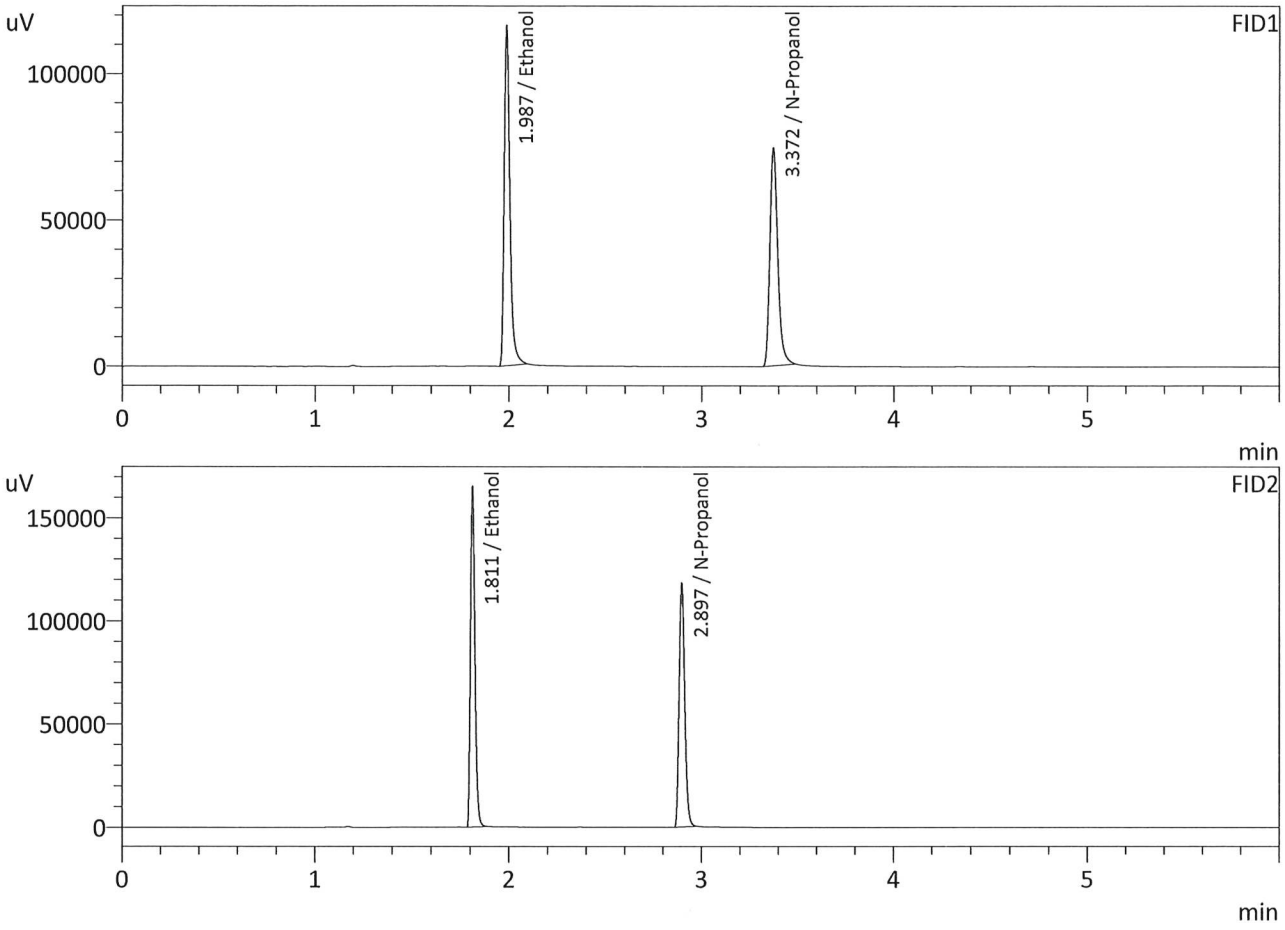
Sample Name : 0.500
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 3:38:27 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

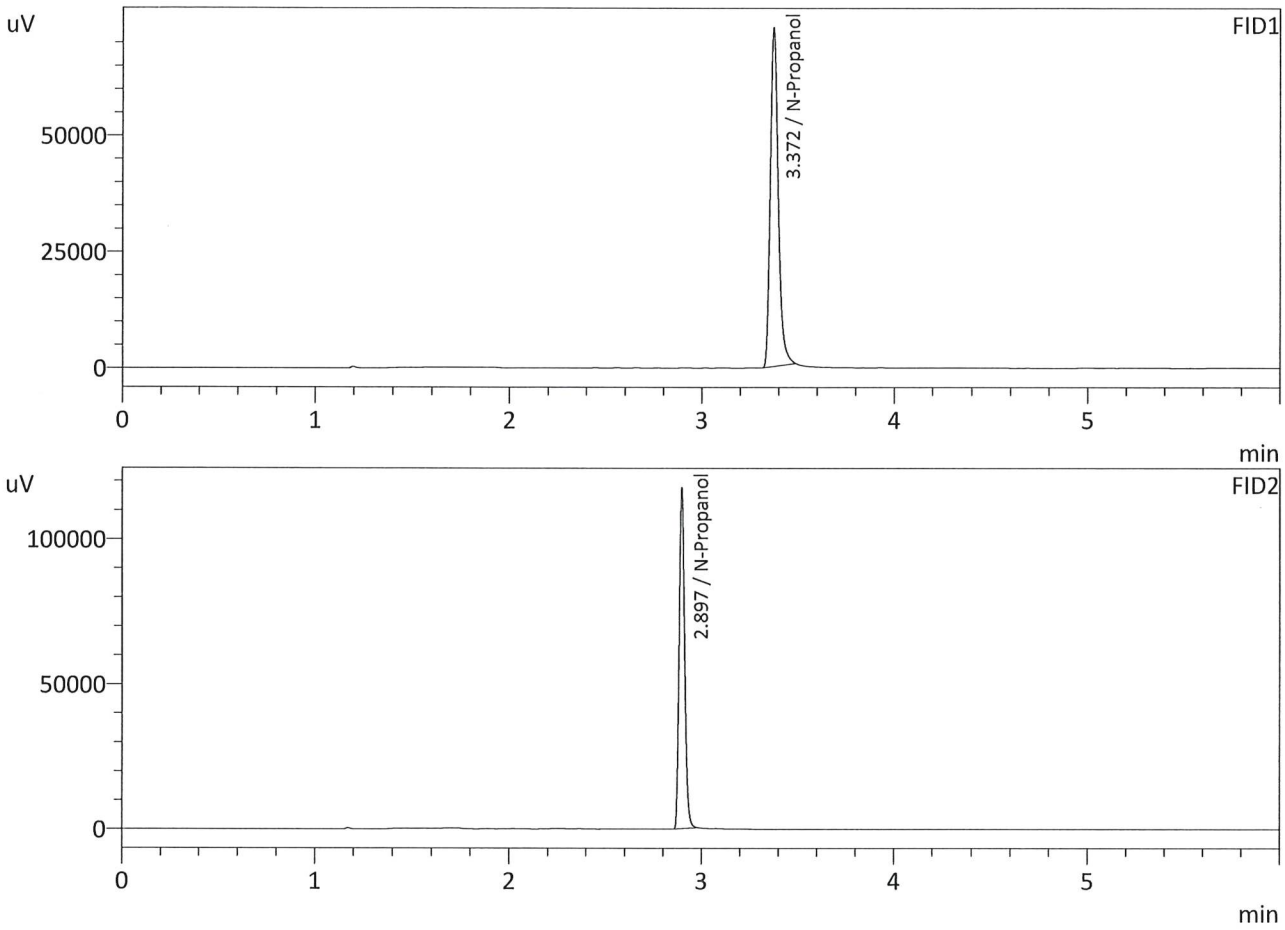
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5018	233308	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	210980	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5025	261915	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236697	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 2
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 3:47:45 PM
Vial # : 7
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

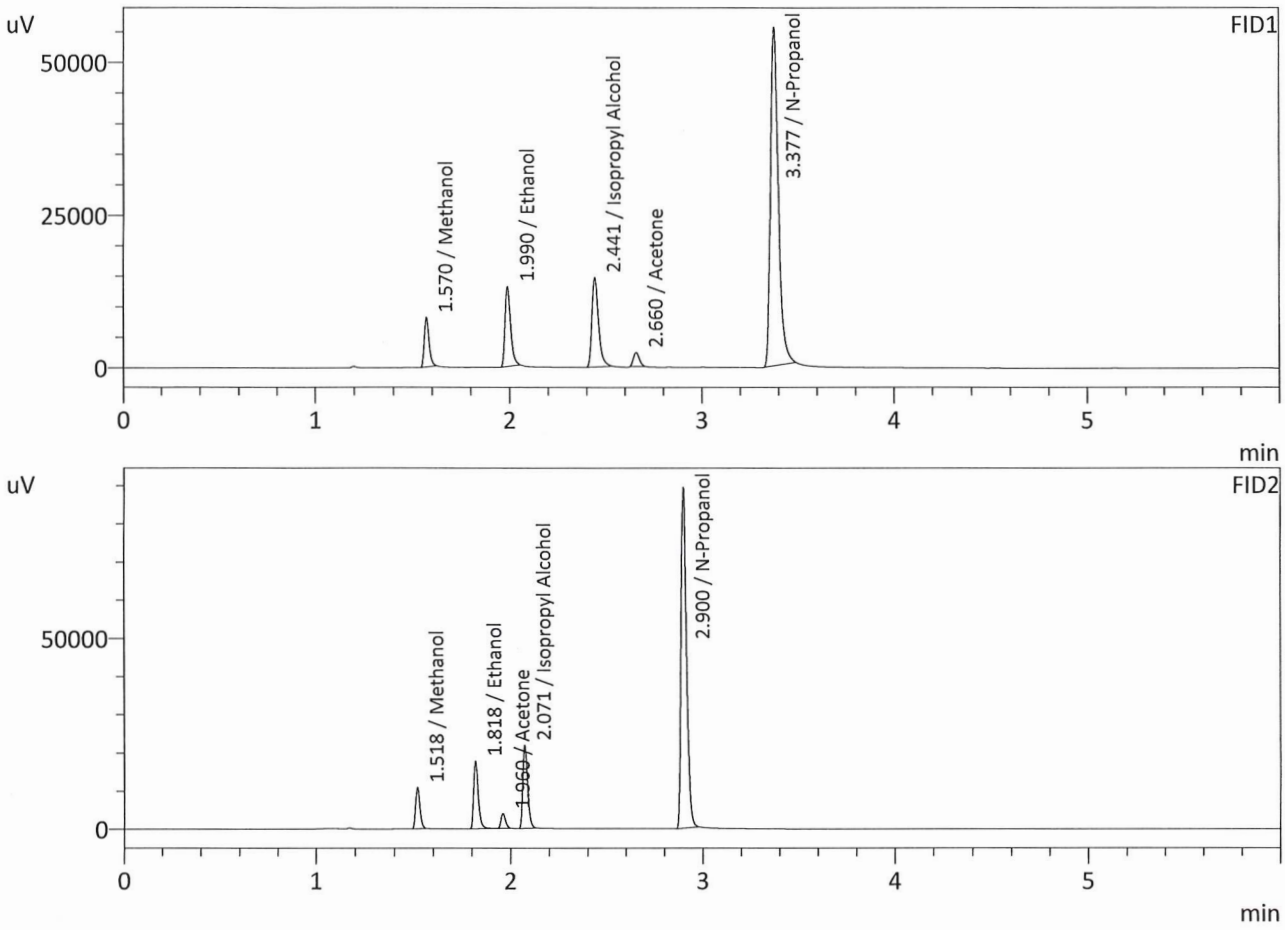
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208134	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	233939	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : MULTI-COMP MIX
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 3:58:15 PM
Vial # : 8
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

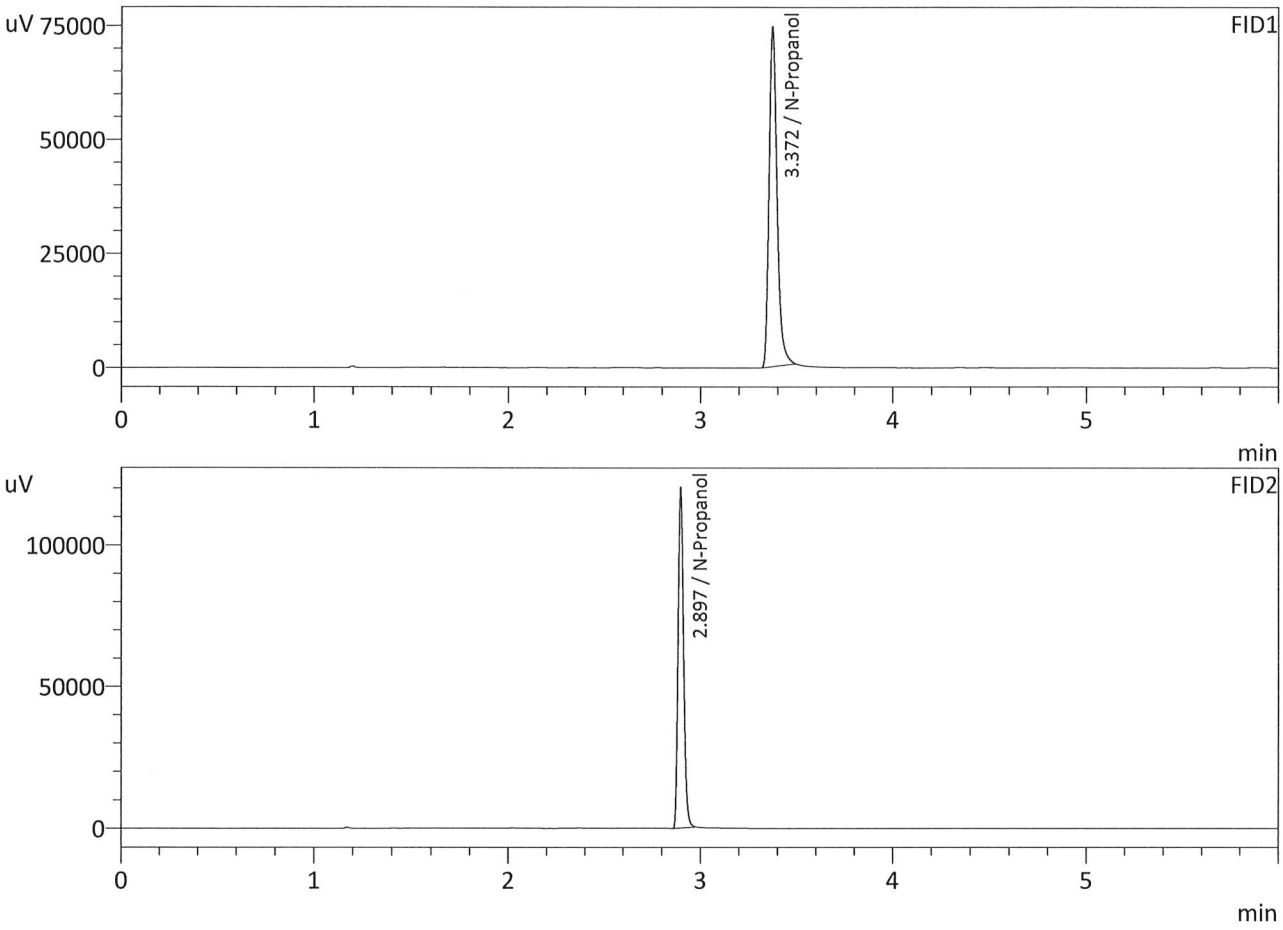
Name	Conc.	Area	Unit
Methanol	1.0000	13974	g/100cc
Ethanol	0.0805	25834	g/100cc
Isopropyl Alcohol	1.0277	34892	g/100cc
Acetone	0.0000	4927	g/100cc
N-Propanol	0.0000	158289	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	1.0000	16813	g/100cc
Ethanol	0.0828	29249	g/100cc
Acetone	1.0000	6447	g/100cc
Isopropyl Alcohol	1.0000	37292	g/100cc
N-Propanol	0.0000	177556	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 3
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 4:07:32 PM
Vial # : 9
Method Filename : C:\LabSolutions\Data\8-2-22\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	213567	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	239592	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1 **Item #1** **Analysis Date(s): 8/2/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0761	0.0770	0.0009	0.0765	0.0068	0.0799
(g/100cc)	0.0832	0.0834	0.0002	0.0833		

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**

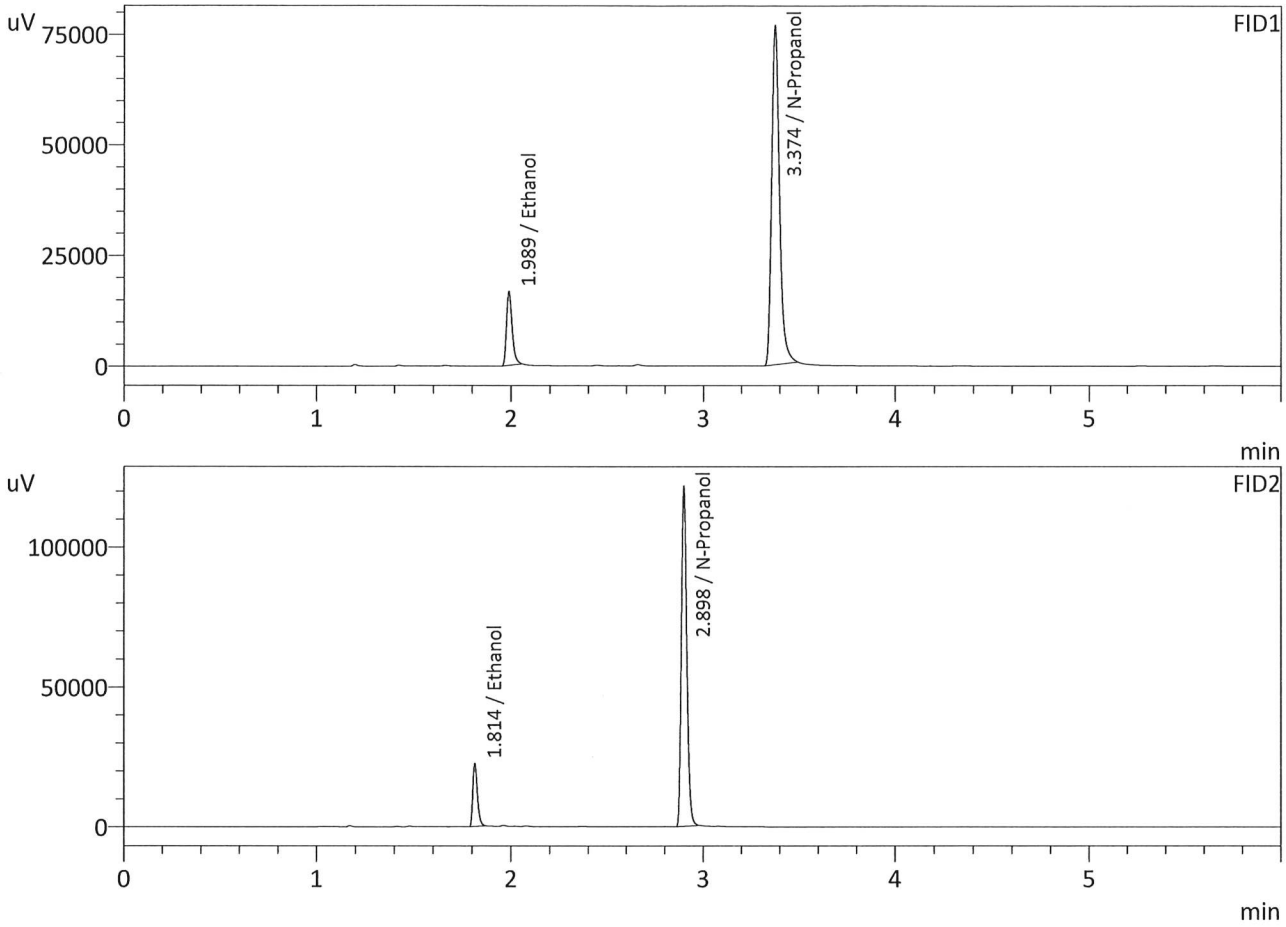
Reported Result

0.079

Calibration and control data are stored centrally.

99

Sample Name : QC-1-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 4:18:02 PM
Vial # : 10
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

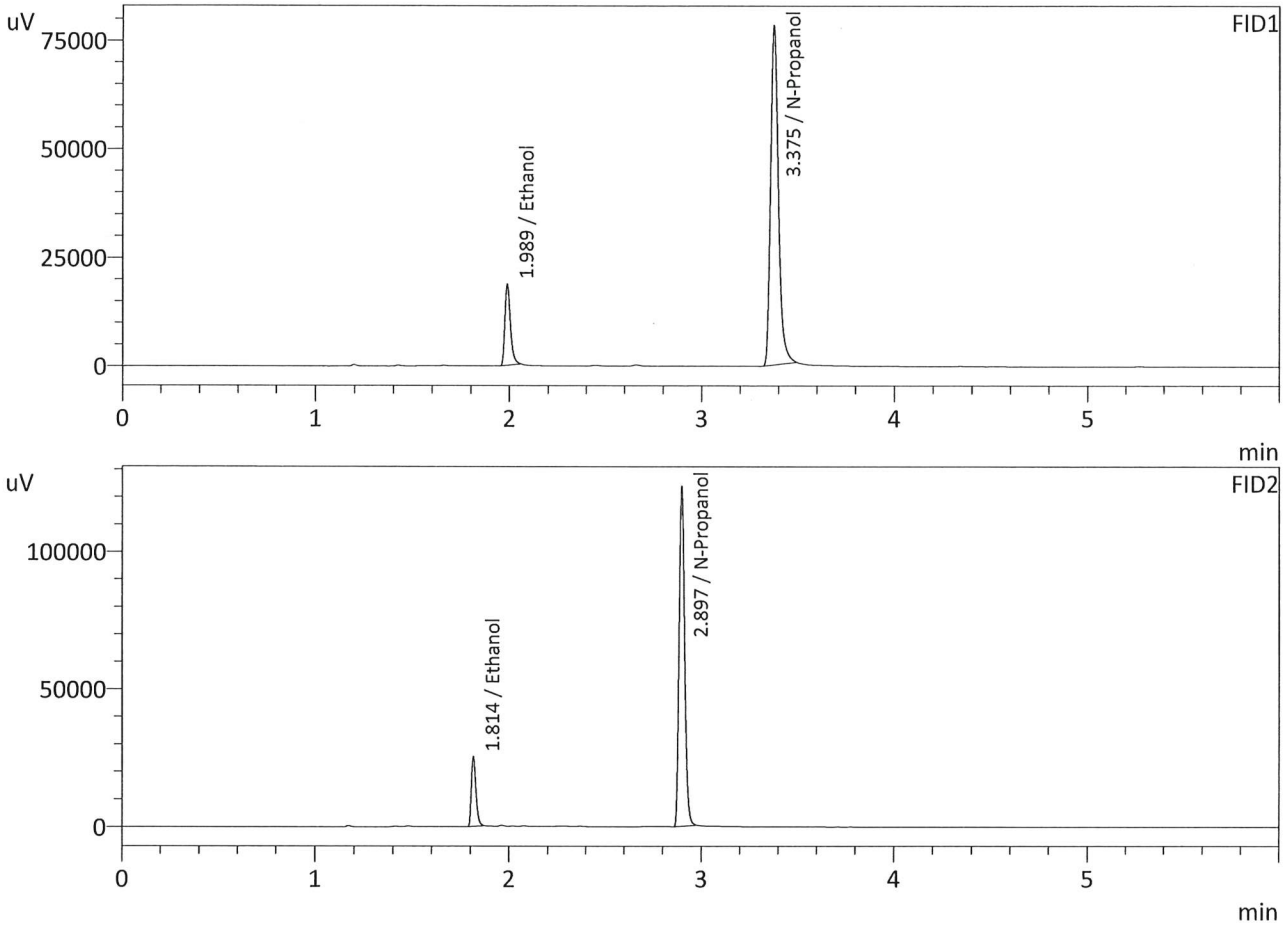
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0761	33308	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217220	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0770	36920	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	243561	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-1-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 4:27:19 PM
Vial # : 11
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0832	37522	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221628	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0834	41273	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	248701	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 **Item #** **Analysis Date(s): 8/2/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0816	0.0824	0.0008	0.0820	0.0014	0.0827
(g/100cc)	0.0834	0.0835	0.0001	0.0834		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

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

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

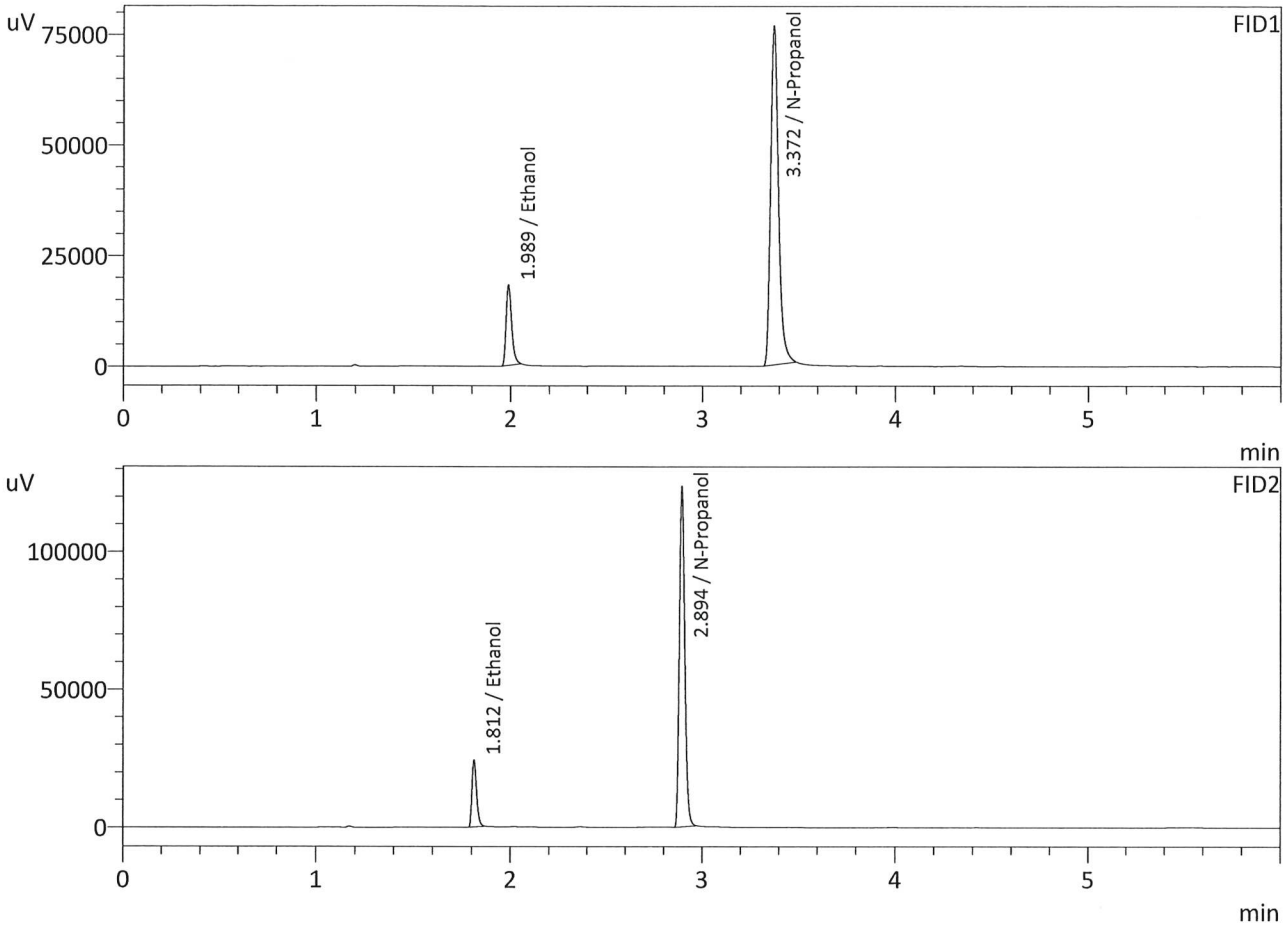
Reported Result

0.082

Calibration and control data are stored centrally.

99

Sample Name : 0.08 QA - A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 4:37:48 PM
Vial # : 12
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

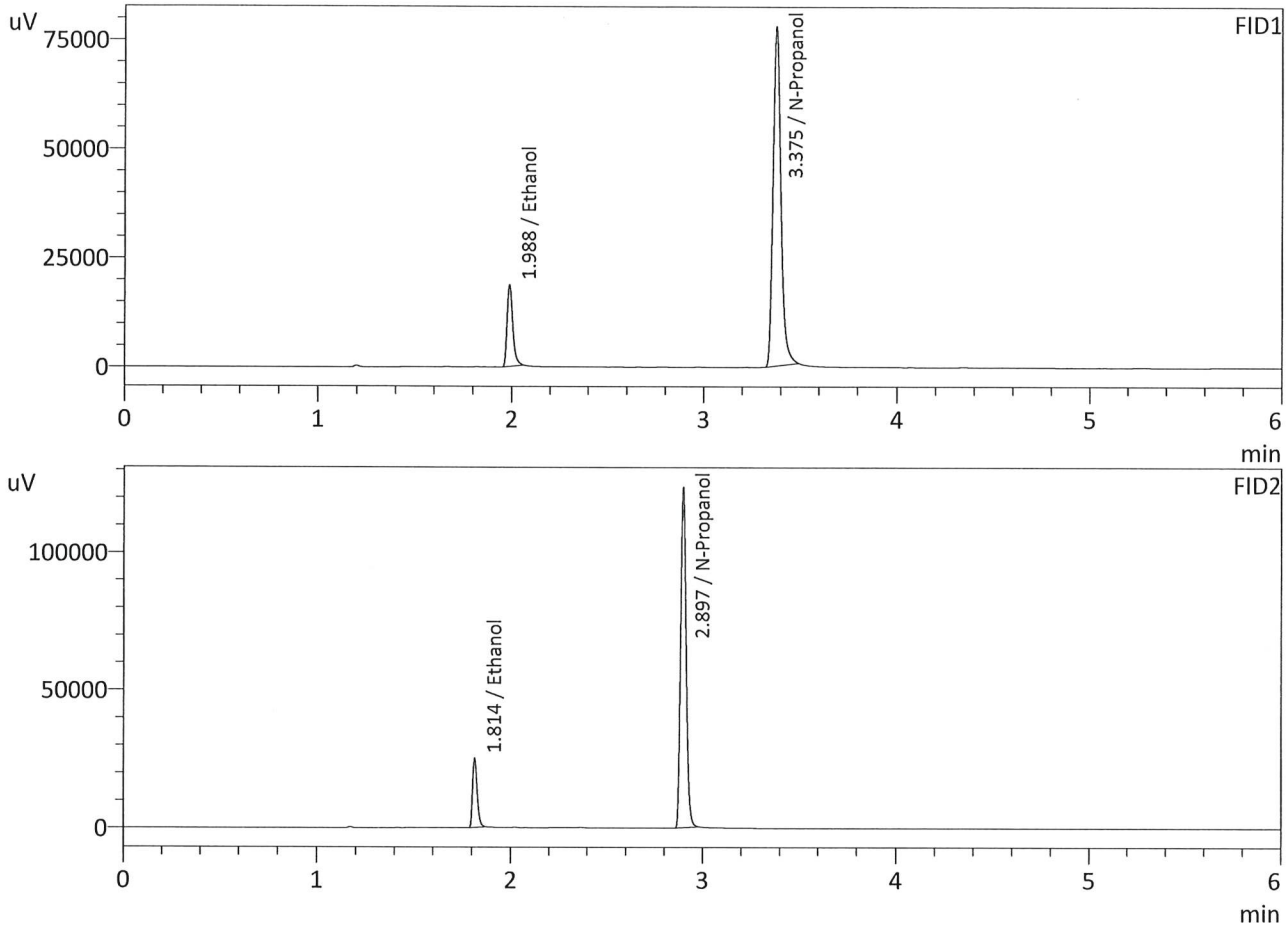
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	36118	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217925	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	40100	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	244875	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.08 QA - B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 4:47:07 PM
Vial # : 13
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0834	37415	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220422	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	41194	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	247590	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1 **Item #2** **Analysis Date(s): 8/2/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0785	0.0792	0.0007	0.0788	0.0007	0.0785
(g/100cc)	0.0780	0.0783	0.0003	0.0781		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

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

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

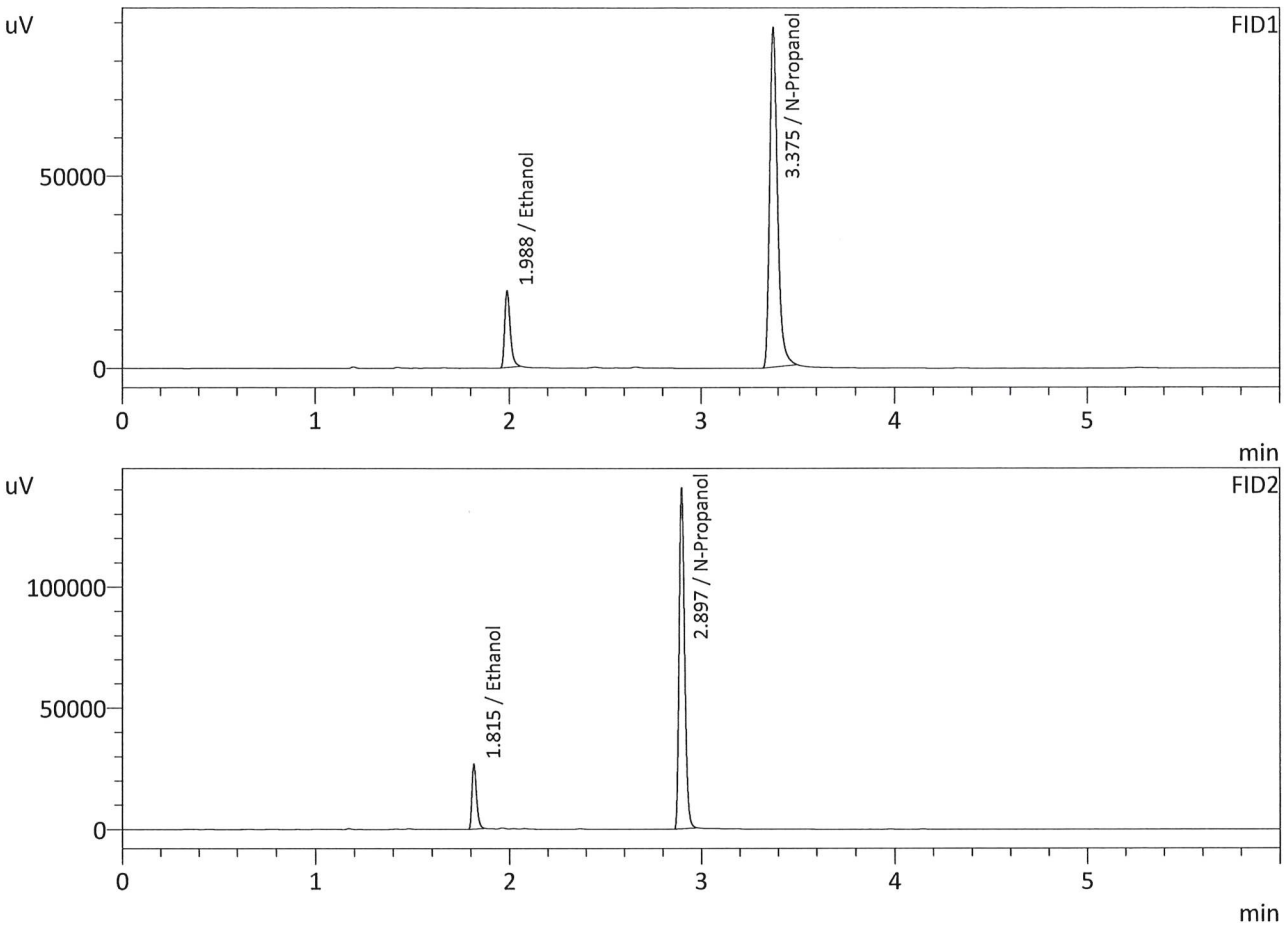
Reported Result

0.078

Calibration and control data are stored centrally.

99

Sample Name : QC-1-2-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 7:55:35 PM
Vial # : 32
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

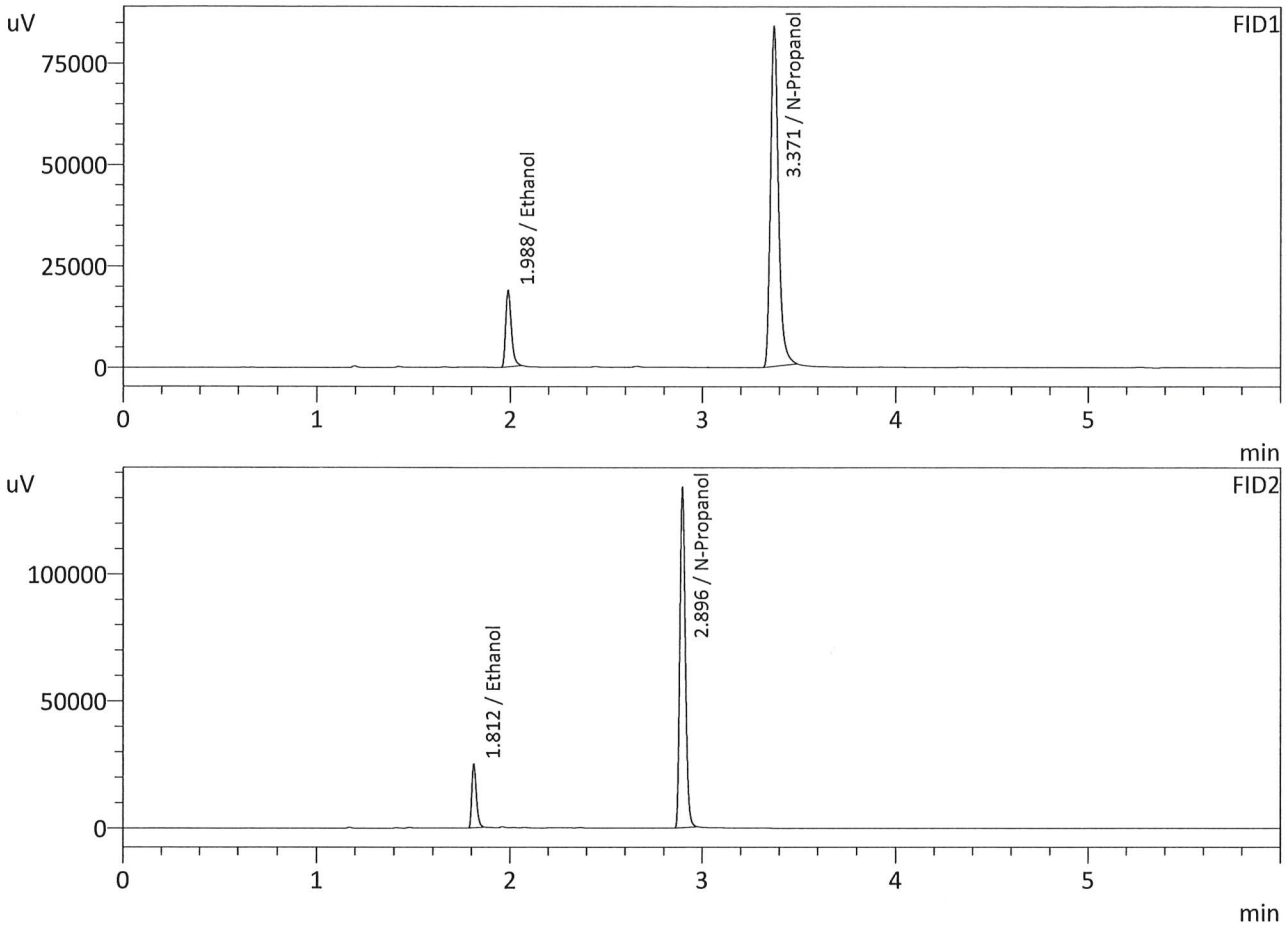
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	39872	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	251147	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	43809	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	279614	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-1-2-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 8:04:54 PM
Vial # : 33
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0780	37773	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	239746	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0783	41279	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	267112	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2 **Item #1** **Analysis Date(s): 8/2/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2141	0.2140	0.0001	0.2140	0.0021	0.2129
(g/100cc)	0.2121	0.2117	0.0004	0.2119		

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
0.212	**0.201**	**0.223**	**0.011**

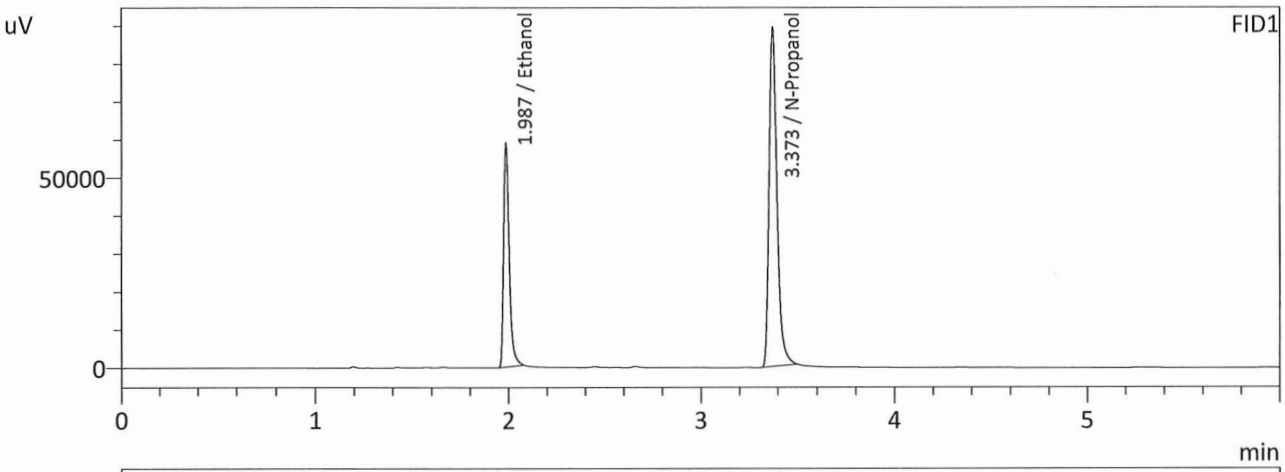
Reported Result

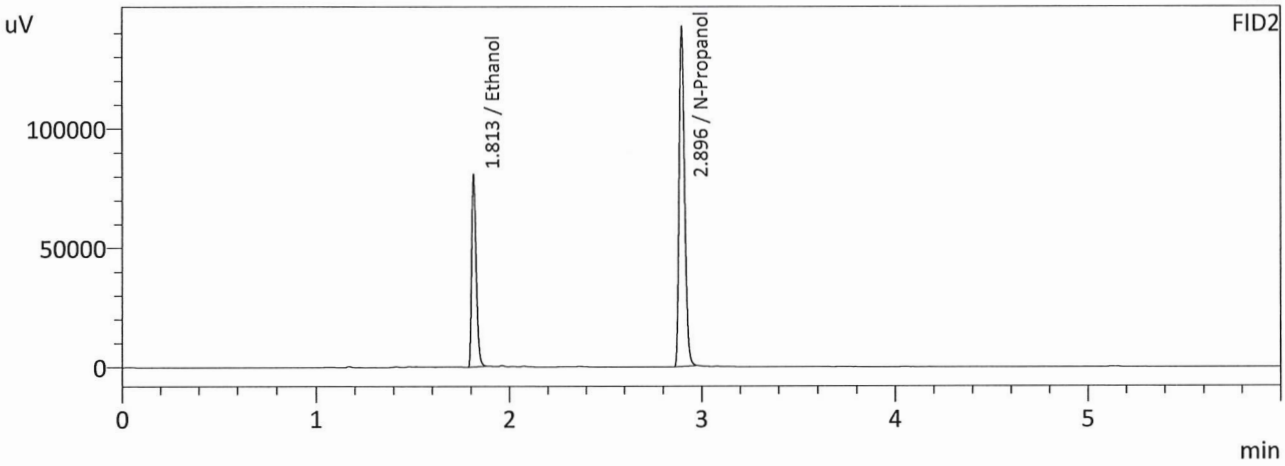
0.212

Calibration and control data are stored centrally.

99

Sample Name : QC-2-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 11:33:13 PM
Vial # : 54
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

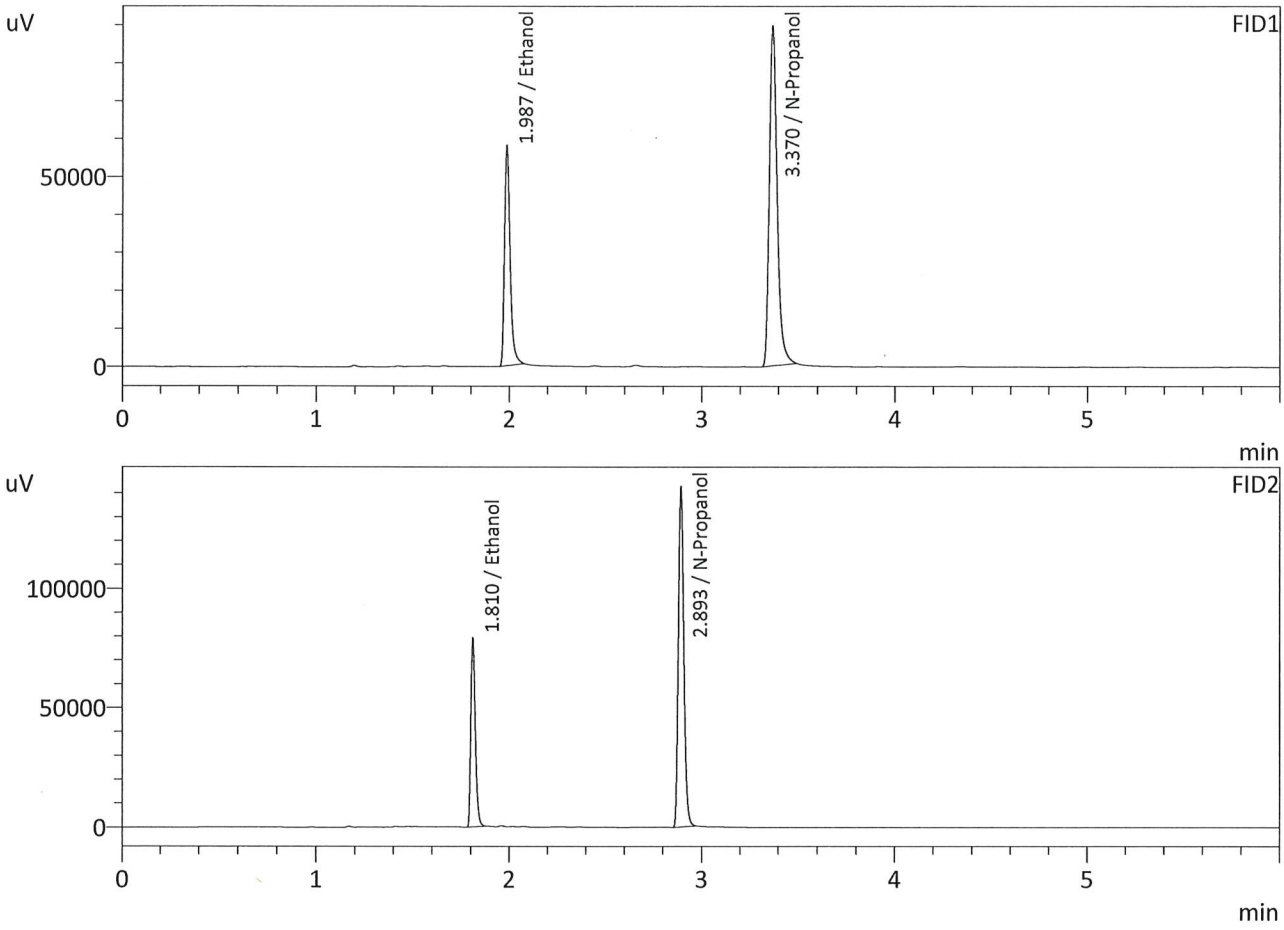
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2141	117546	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	254424	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2140	129999	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	283080	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/2/2022 11:42:32 PM
Vial # : 55
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2121	116382	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	254319	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2117	128084	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	282192	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2 **Item #2** **Analysis Date(s): 8/2/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2138	0.2136	0.0002	0.2137	0.0009	0.2132
(g/100cc)	0.2128	0.2128	0.0000	0.2128		

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
0.213	**0.202**	**0.224**	**0.011**

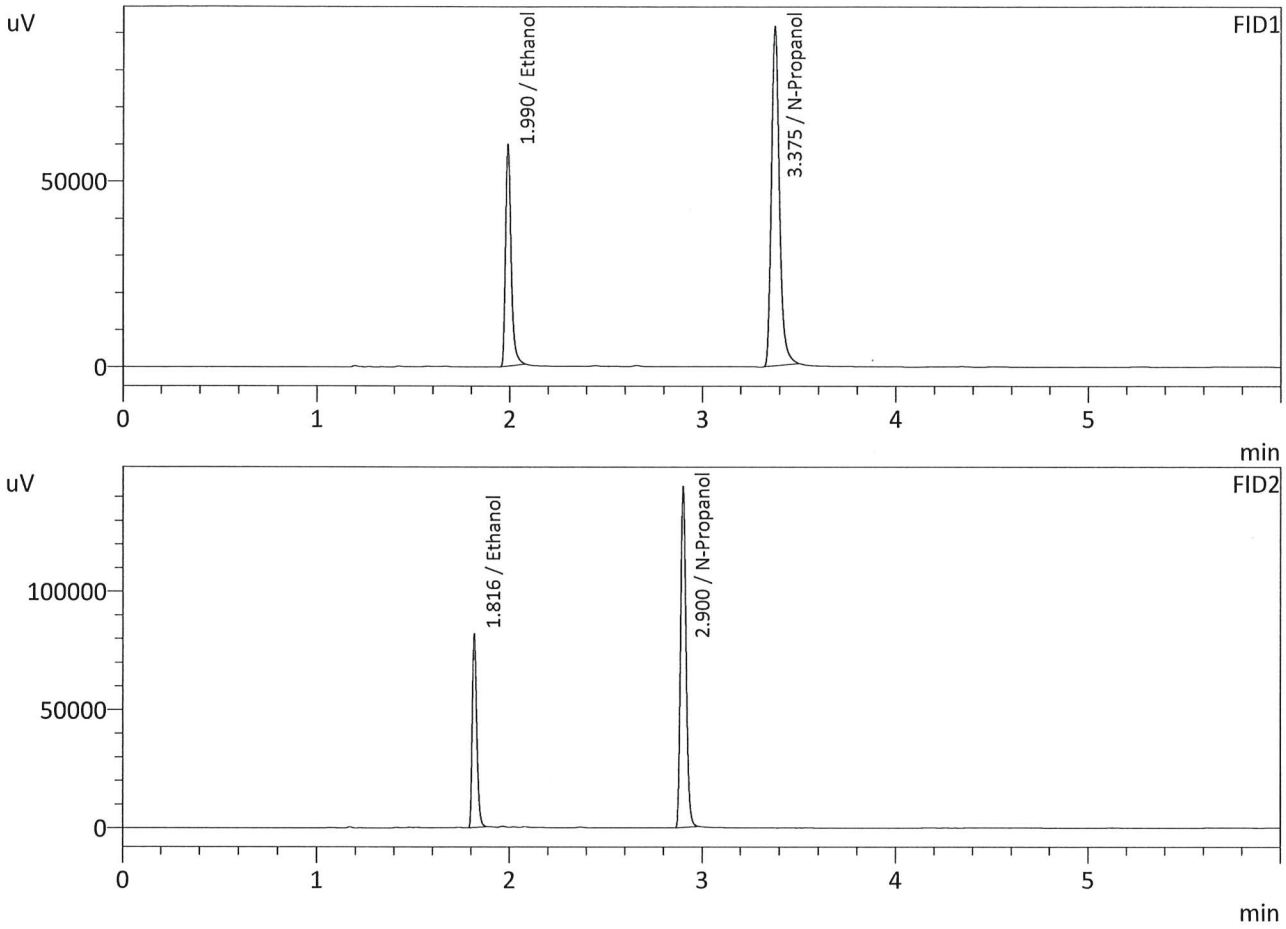
Reported Result

0.213

Calibration and control data are stored centrally.

99

Sample Name : QC-2-2-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/3/2022 12:12:49 AM
Vial # : 58
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

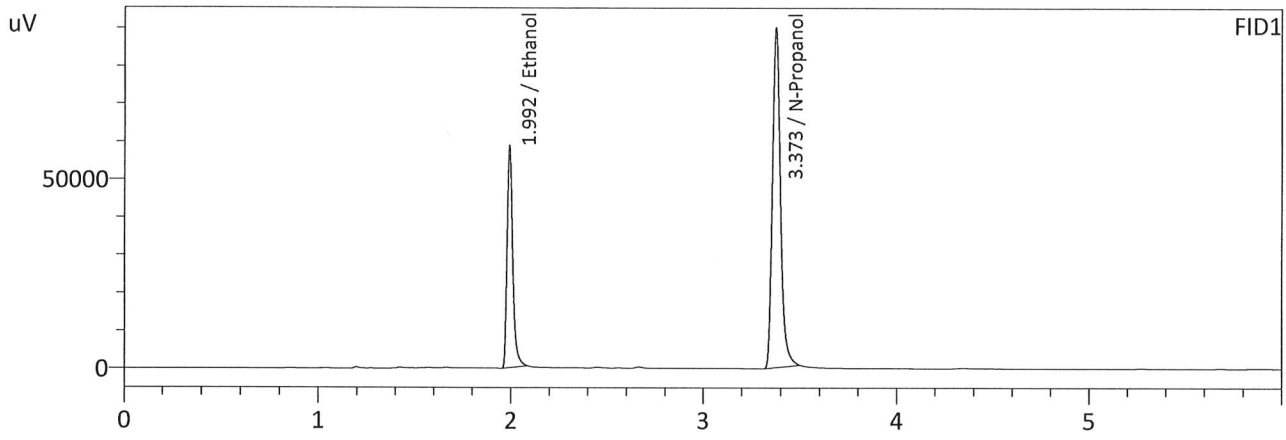
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2138	119791	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	259540	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

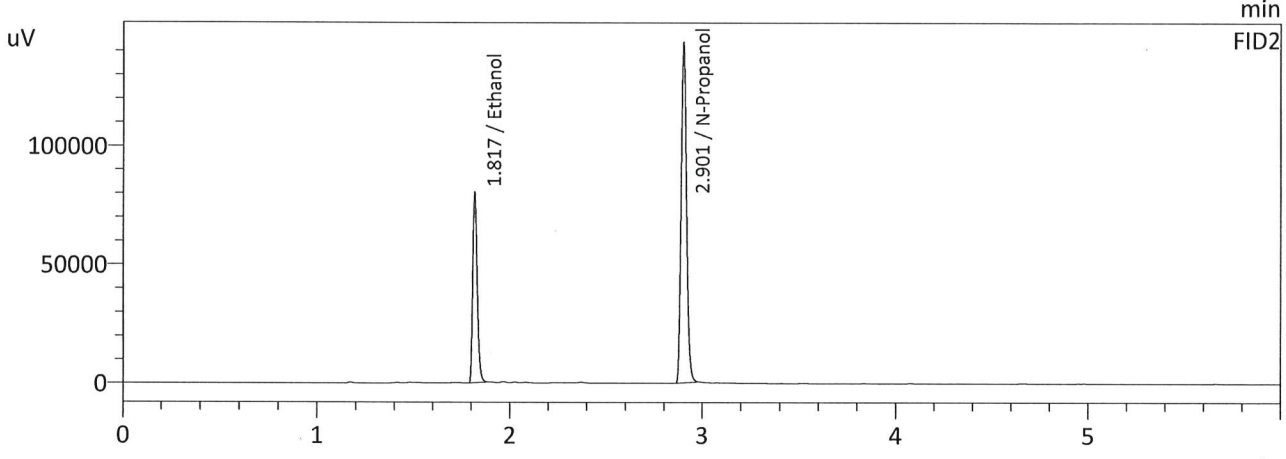
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2136	132222	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	288474	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-2-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/3/2022 12:22:06 AM
Vial # : 59
Method Filename : C:\LabSolutions\Data\8-2-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

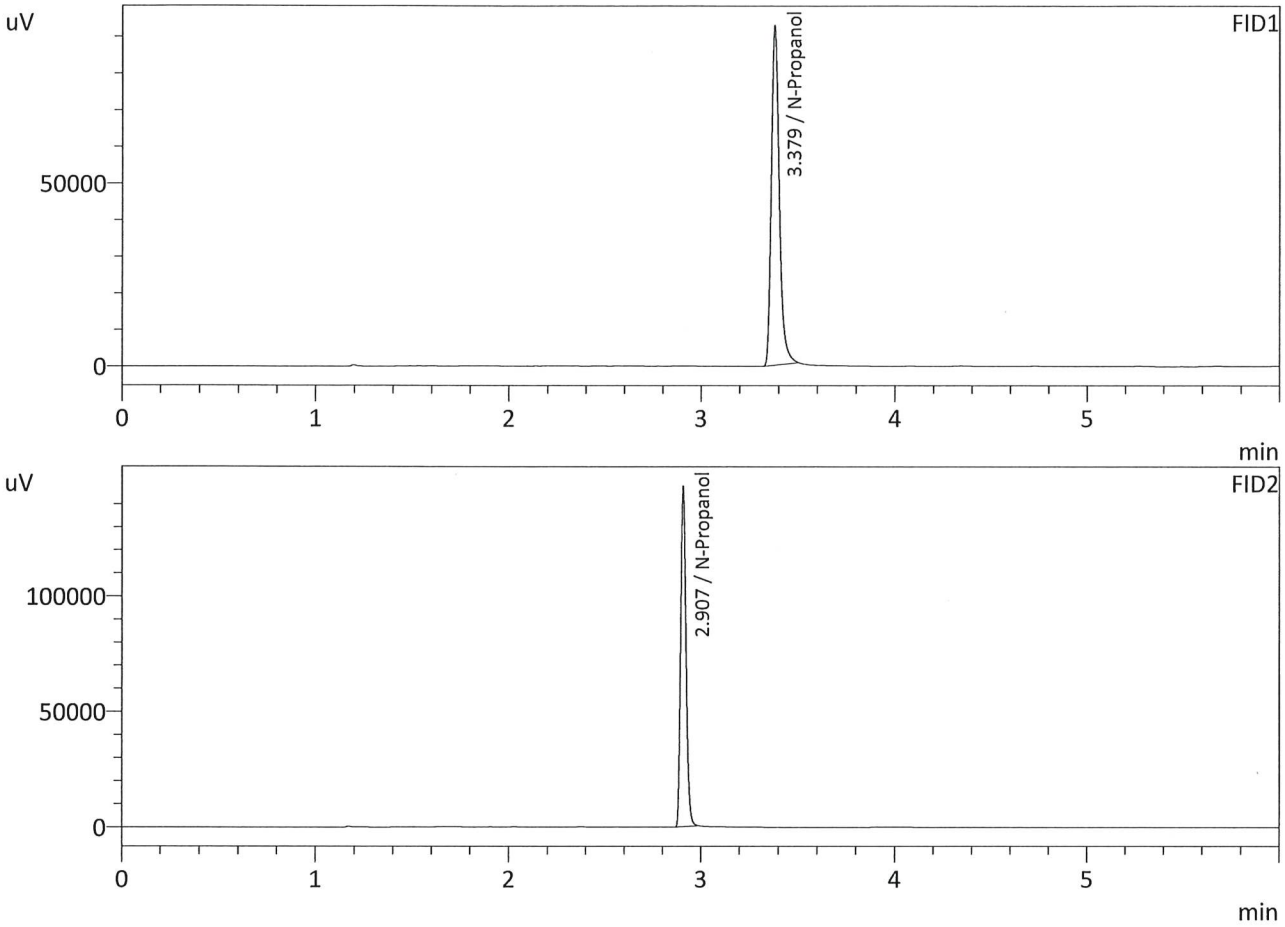
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2128	117985	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	256882	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2128	130172	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	285220	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 4
Laboratory : Coeur d' Alene Lab
Injection Date : 8/3/2022 12:32:26 AM
Vial # : 60
Method Filename : C:\LabSolutions\Data\8-2-22\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	263694	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	293203	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99