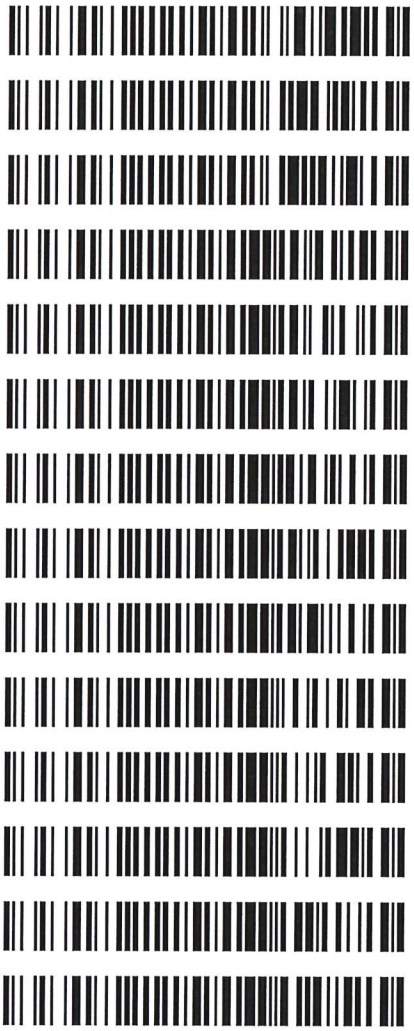
REVIEWED
By Tamara Salazar at 10:53 am, Aug 26, 2022

8/23/2022

Worklist: 6072

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2022-1660	1	BCK	Alcohol Analysis
C2022-1723	1	BCK	Alcohol Analysis
C2022-1727	1	BCK	Alcohol Analysis
C2022-1760	1	BCK	Alcohol Analysis
C2022-1766	1	BCK	Alcohol Analysis
C2022-1767	1	BCK	Alcohol Analysis
C2022-1778	1	BCK	Alcohol Analysis
C2022-1790	1	BCK	Alcohol Analysis
C2022-1797	1	BCK	Alcohol Analysis
C2022-1816	1	BCK	Alcohol Analysis
C2022-1826	1	BCK	Alcohol Analysis
C2022-1827	1	BCK	Alcohol Analysis
C2022-1861	1	BCK	Alcohol Analysis
C2022-1882	1	BCK	Alcohol Analysis



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
84	condition	0:Unknown	0	ALCOHOL.GCM
85	condition	0:Unknown	0	ALCOHOL.GCM
86	condition	0:Unknown	0	ALCOHOL.GCM
87	condition	0:Unknown	0	ALCOHOL.GCM
88	condition	0:Unknown	0	ALCOHOL.GCM
89	condition	0:Unknown	0	ALCOHOL.GCM
90	condition	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	C2022-1660-1-A	0:Unknown	0	ALCOHOL.GCM
15	C2022-1660-1-B	0:Unknown	0	ALCOHOL.GCM
16	C2022-1723-1-A	0:Unknown	0	ALCOHOL.GCM
17	C2022-1723-1-B	0:Unknown	0	ALCOHOL.GCM
18	C2022-1727-1-A	0:Unknown	0	ALCOHOL.GCM
19	C2022-1727-1-B	0:Unknown	0	ALCOHOL.GCM
20	C2022-1760-1-A	0:Unknown	0	ALCOHOL.GCM
21	C2022-1760-1-B	0:Unknown	0	ALCOHOL.GCM
22	C2022-1766-1-A	0:Unknown	0	ALCOHOL.GCM
23	C2022-1766-1-B	0:Unknown	0	ALCOHOL.GCM
24	C2022-1767-1-A	0:Unknown	0	ALCOHOL.GCM
25	C2022-1767-1-B	0:Unknown	0	ALCOHOL.GCM
26	C2022-1778-1-A	0:Unknown	0	ALCOHOL.GCM
27	C2022-1778-1-B	0:Unknown	0	ALCOHOL.GCM
28	C2022-1790-1-A	0:Unknown	0	ALCOHOL.GCM
29	C2022-1790-1-B	0:Unknown	0	ALCOHOL.GCM
30	C2022-1797-1-A	0:Unknown	0	ALCOHOL.GCM
31	C2022-1797-1-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	C2022-1816-1-A	0:Unknown	0	ALCOHOL.GCM
35	C2022-1816-1-B	0:Unknown	0	ALCOHOL.GCM
36	C2022-1826-1-A	0:Unknown	0	ALCOHOL.GCM
37	C2022-1826-1-B	0:Unknown	0	ALCOHOL.GCM
38	C2022-1827-1-A	0:Unknown	0	ALCOHOL.GCM
39	C2022-1827-1-B	0:Unknown	0	ALCOHOL.GCM
40	C2022-1861-1-A	0:Unknown	0	ALCOHOL.GCM
41	C2022-1861-1-B	0:Unknown	0	ALCOHOL.GCM
42	C2022-1882-1-A	0:Unknown	0	ALCOHOL.GCM
43	C2022-1882-1-B	0:Unknown	0	ALCOHOL.GCM
44	QC-2-2-A	0:Unknown	0	ALCOHOL.GCM
45	QC-2-2-B	0:Unknown	0	ALCOHOL.GCM
46	INT STD BLK 4	0:Unknown	0	ALCOHOL.GCM

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): 8/23/2022**

Calibration Date: *(if different)*

Worklist #: Worklist # 6072

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0807 g/100cc
					g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2102 g/100cc
					0.2098 g/100cc
					g/100cc

Multi-Component mixture:	**Exp:**	**July 31, 2024**	**Lot #**	FN04231907		OK
Curve Fit:		**Column 1**	0.99974		**Column2**	0.99962

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	0.0531	0.0007	0.0527
100	0.100	0.090 - 0.110	0.1010	0.1009	0.0001	0.1009
200	0.200	0.180 - 0.220	0.1967	0.1967	0	0.1967
300	0.300	0.270 - 0.330	0.2970	0.2959	0.0011	0.2964
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5025	0.5032	0.0007	0.5028

Aqueous Controls

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

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

Internal Standard Monitoring Worksheet

Worklist #:	Worklist # 6072	Run Date(s):	8/23/2022

Internal Standard Solution: Lot# A014463901	Prep Date: 8/23/2022	Exp Date: 2/23/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	229843	257906
0.080	230984	257229
QC1	236816	267236
QC1	236451	265006
QC1		
QC1		
QC1		
QC1		
QC2	267065	298929
QC2	246041	275005
QC2	256178	286665
QC2	260083	291029
QC2		
QC2		

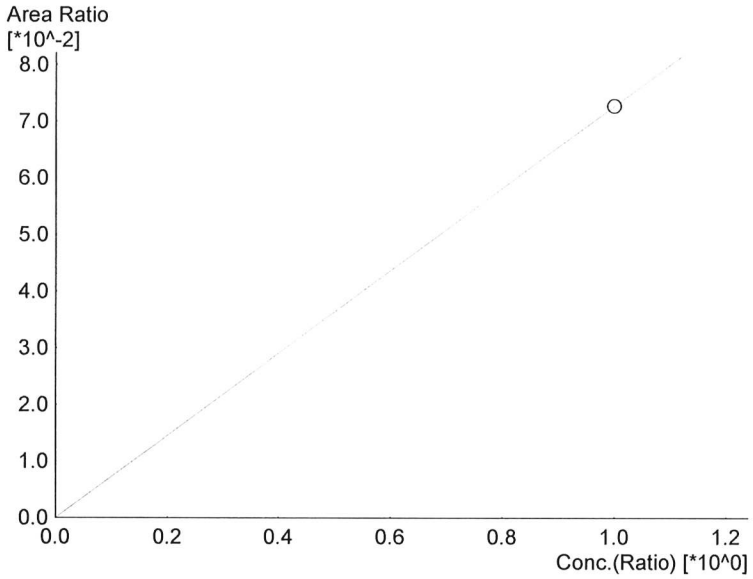
	Average	(-)20%	(+)20%
Column 1	245432.6	196346.1	294519.2
Column 2	274875.6	219900.5	329850.8

99

Calibration Table

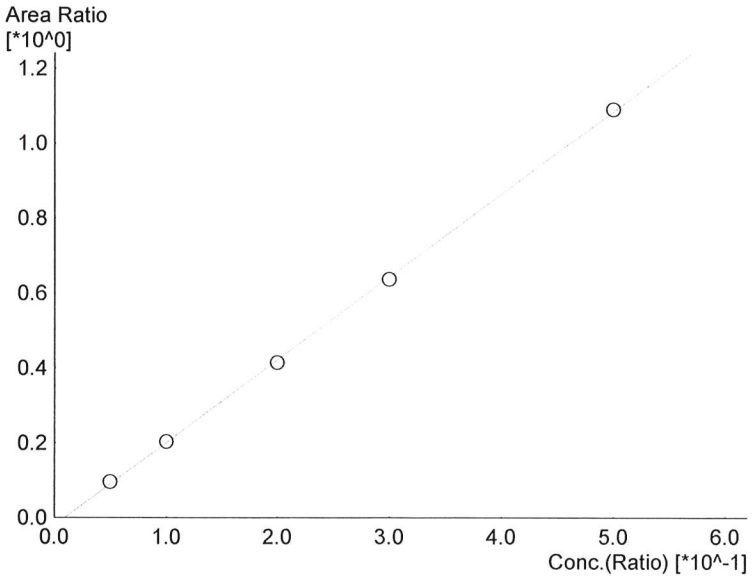
Laboratory : Coeur d' Alene
Instrument Name : Nexis GC2030
Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
Method File :C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\8-23-22\8-23-22.gcb
Date Acquired :8/23/2022 6:12:55 PM
Date Created :8/23/2022 6:08:33 PM
Date Modified :8/23/2022 6:18:55 PM



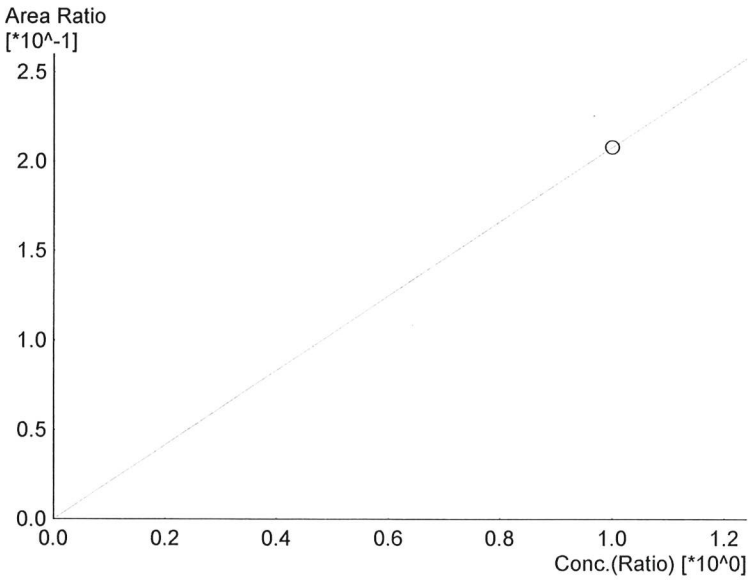
Name : Methanol
Detector Name: FID1
Function : f(x)=0.0726971*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	16510	1.0000



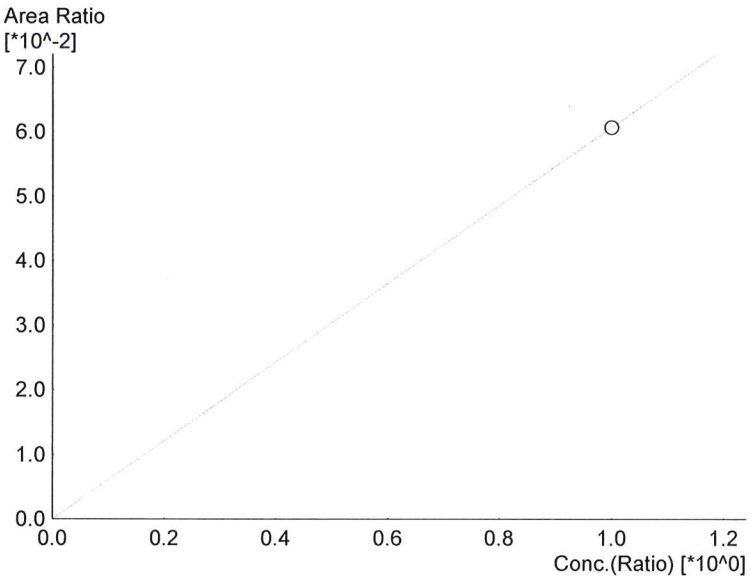
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.21076*x-0.0202974
R^2 value= 0.9997432
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20643	0.0524
2	0.100	44846	0.1010
3	0.200	91322	0.1967
4	0.300	141199	0.2970
5	0.500	247350	0.5025



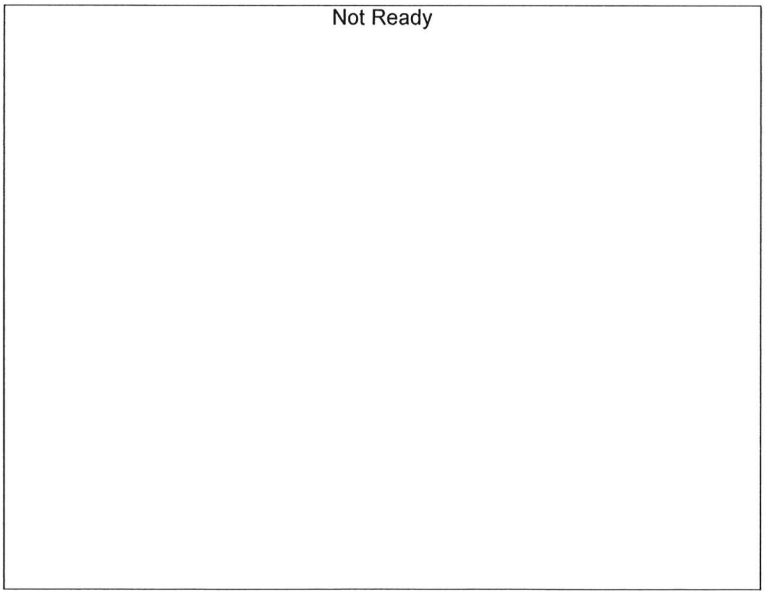
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0.208142*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	47271	1.0000



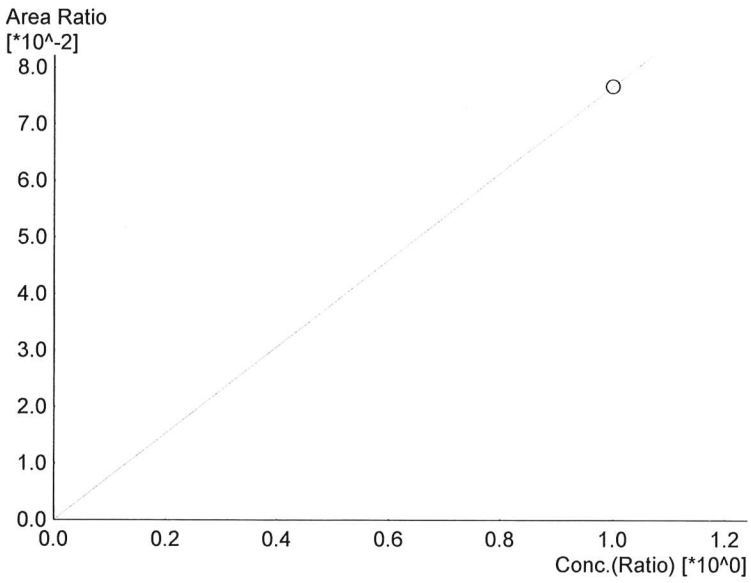
Name : Acetone
Detector Name: FID1
Function : f(x)=0.0607658*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	13800	1.0000



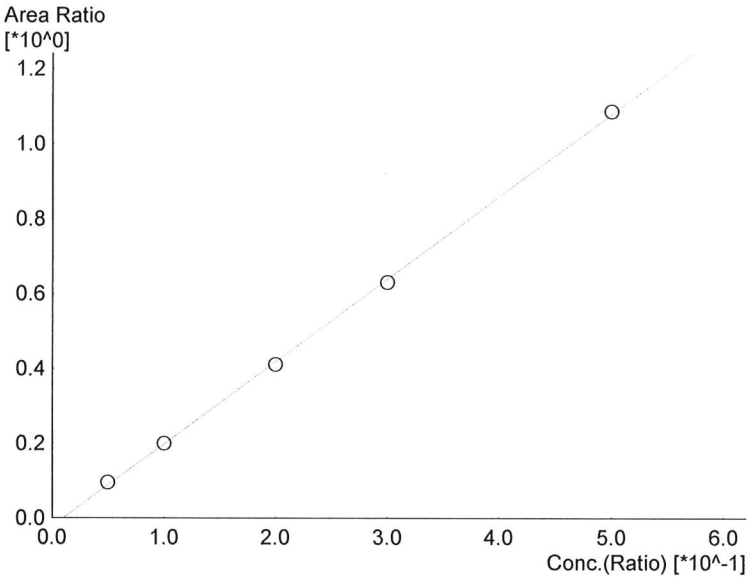
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



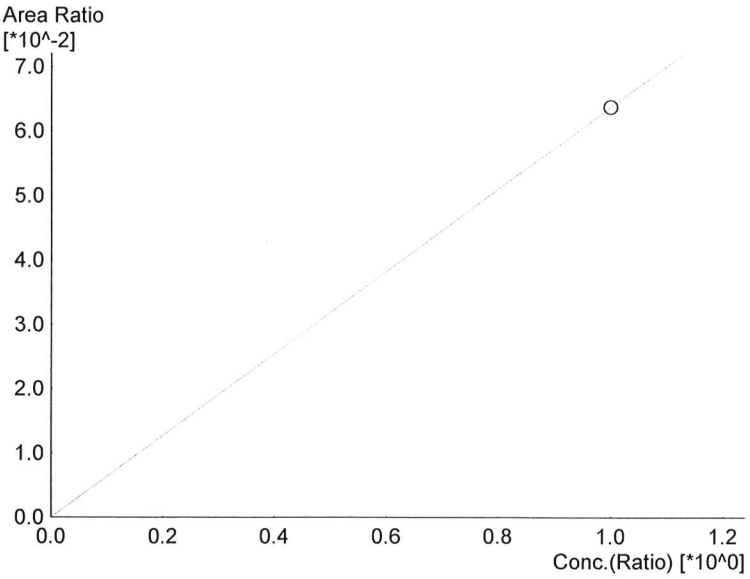
Name : Methanol
Detector Name: FID2
Function : f(x)=0.0766664*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	19426	1.0000



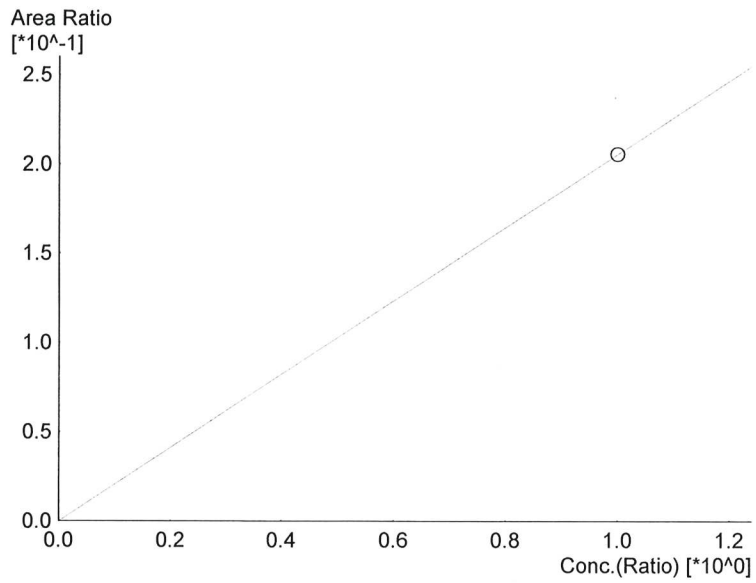
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.20394*x-0.0224460
R^2 value= 0.9996255
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	22951	0.0531
2	0.100	49722	0.1009
3	0.200	101837	0.1967
4	0.300	157800	0.2959
5	0.500	278388	0.5032



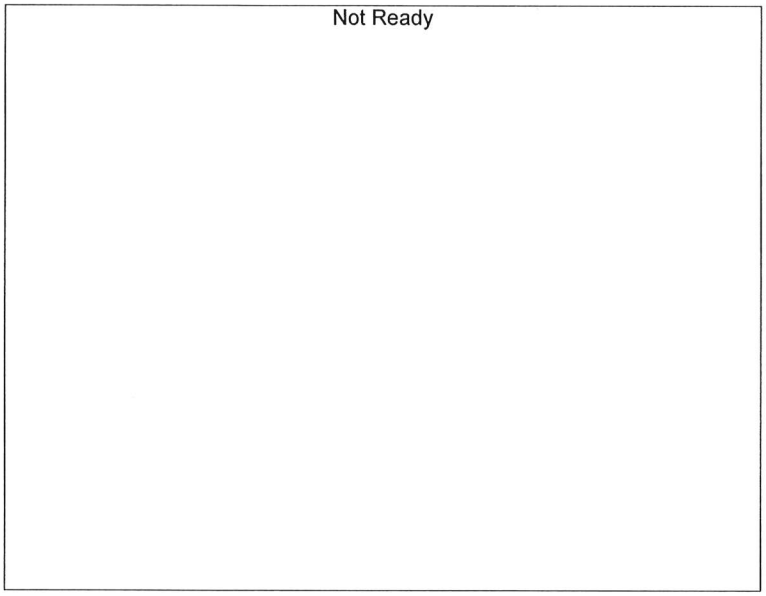
Name : Acetone
Detector Name: FID2
Function : f(x)=0.0637436*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	16151	1.0000



Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0.205685*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	52116	1.0000

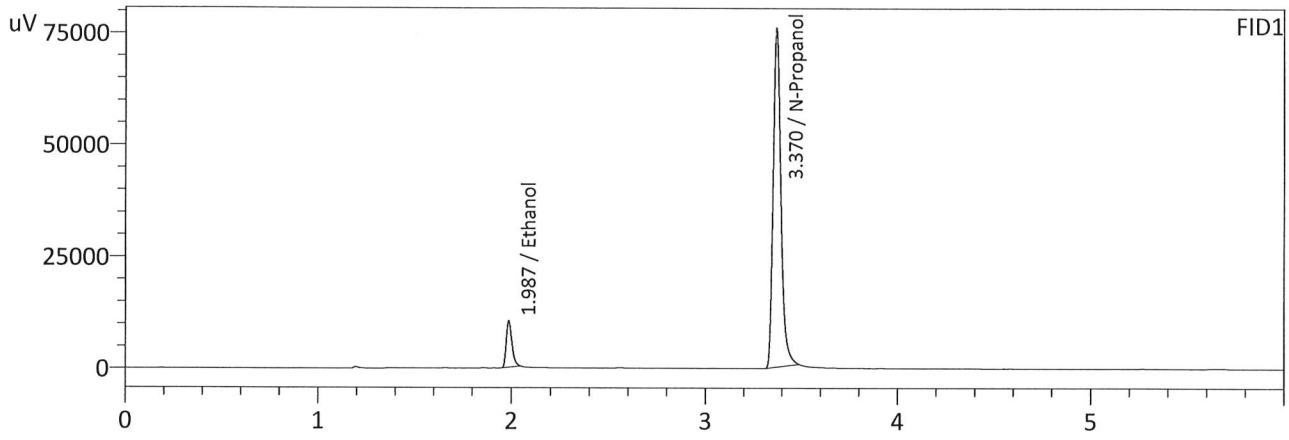


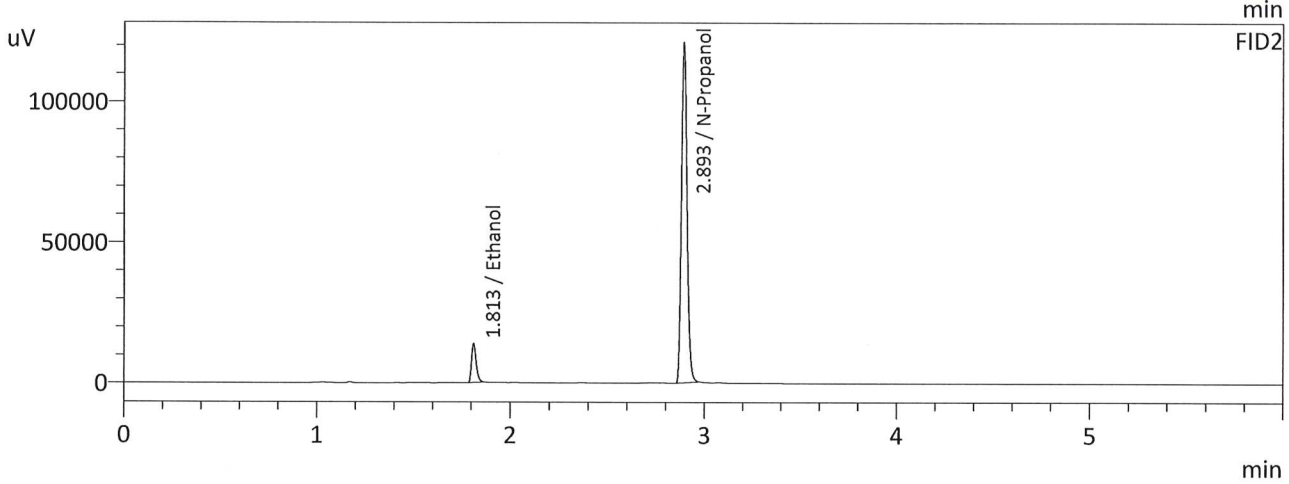
Name : Fluor. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

99

Sample Name : 0.050
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 5:33:20 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

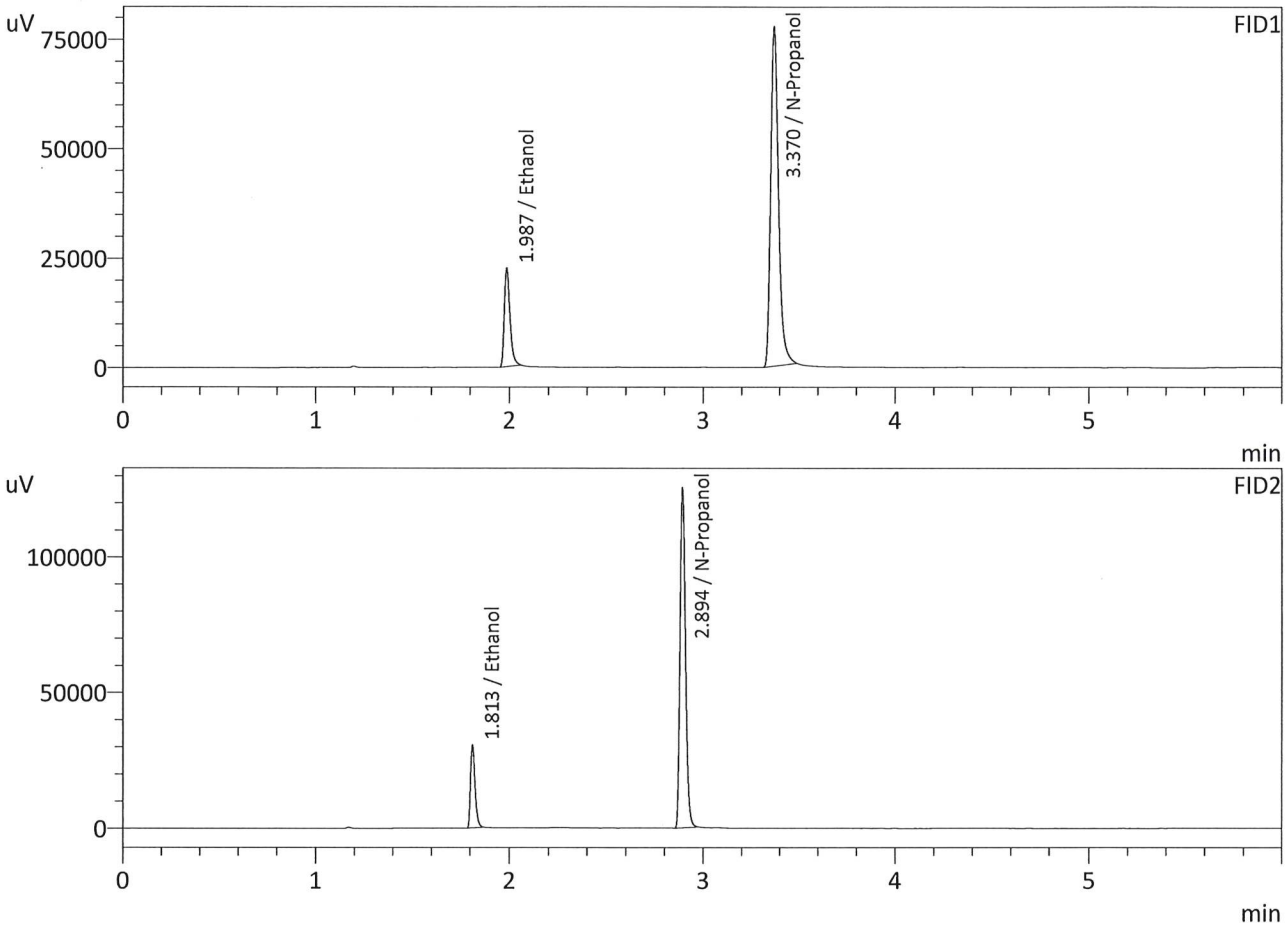
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0524	20643	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	215598	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0531	22951	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	242331	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.100
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 5:42:38 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

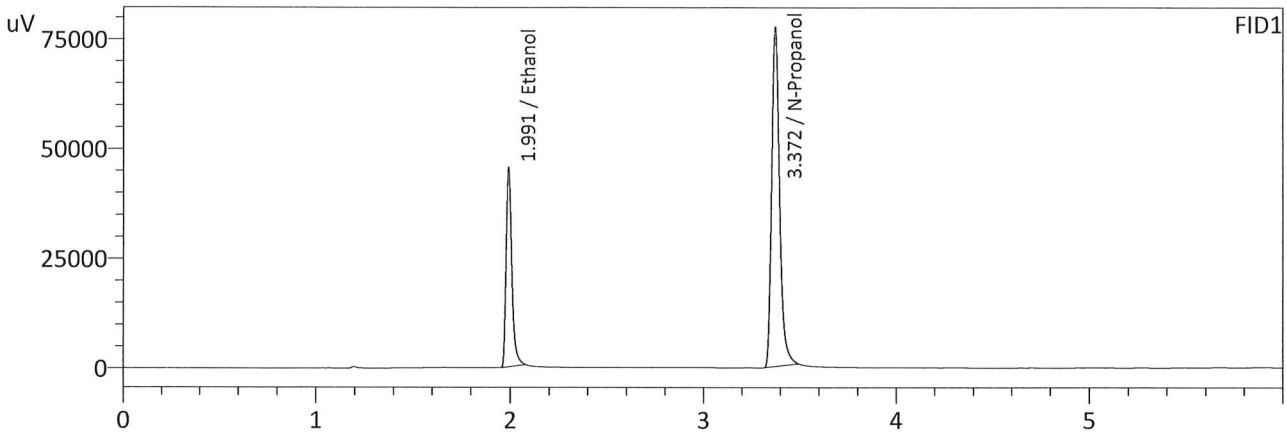
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1010	44846	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220749	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

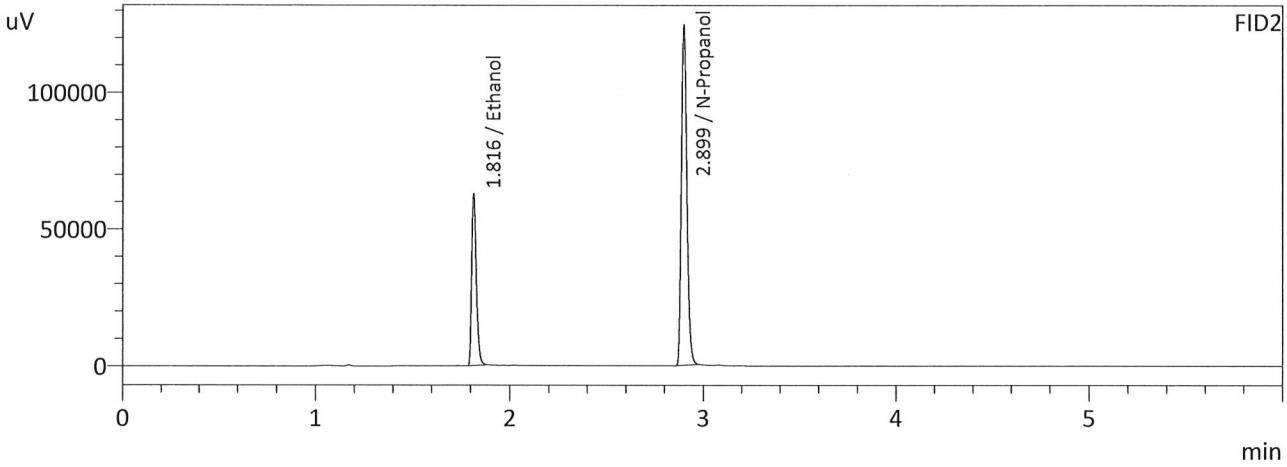
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1009	49722	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	248657	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.200
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 5:53:07 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

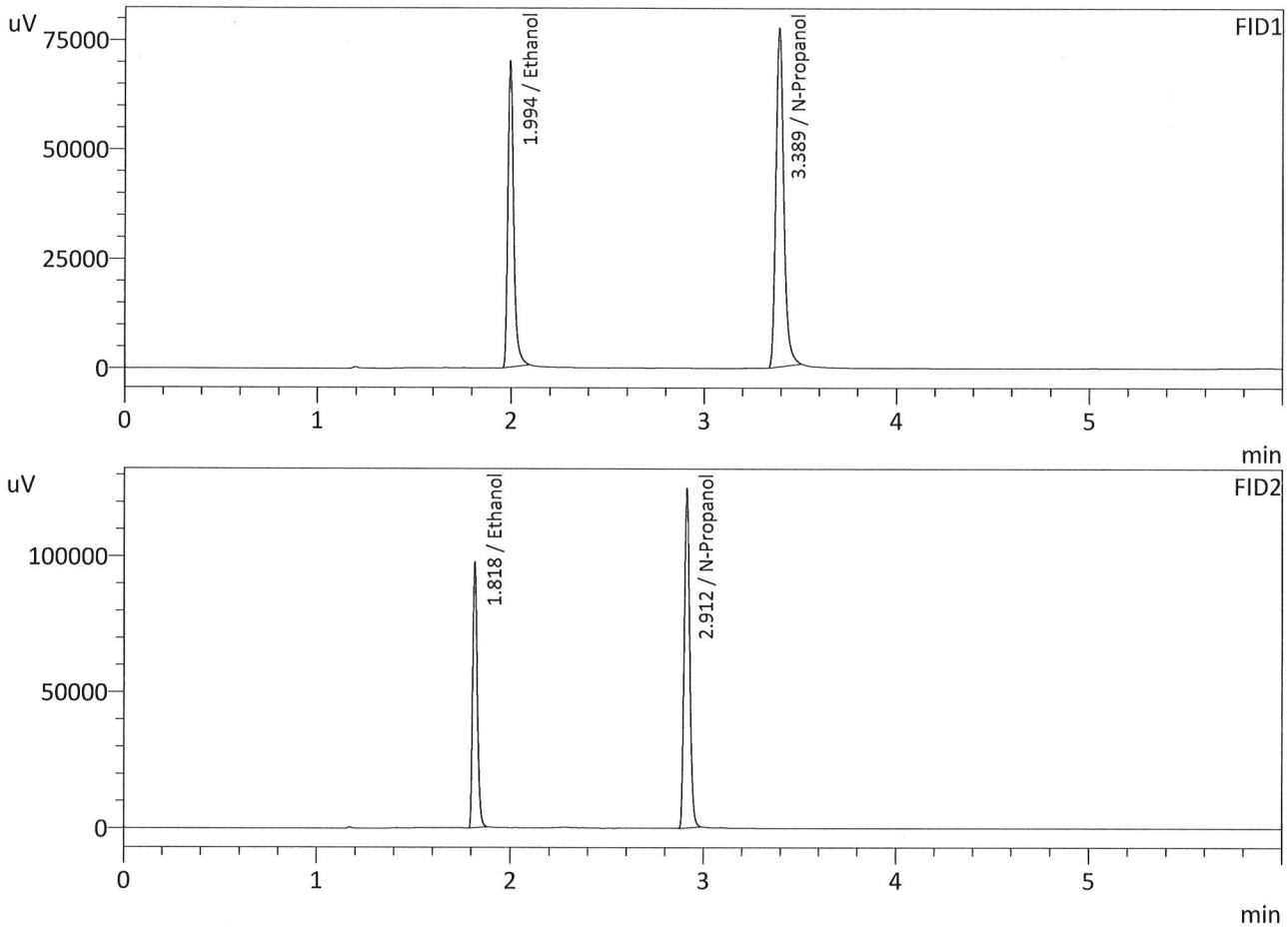
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1967	91322	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220200	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1967	101837	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	247716	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.300
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 6:02:25 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

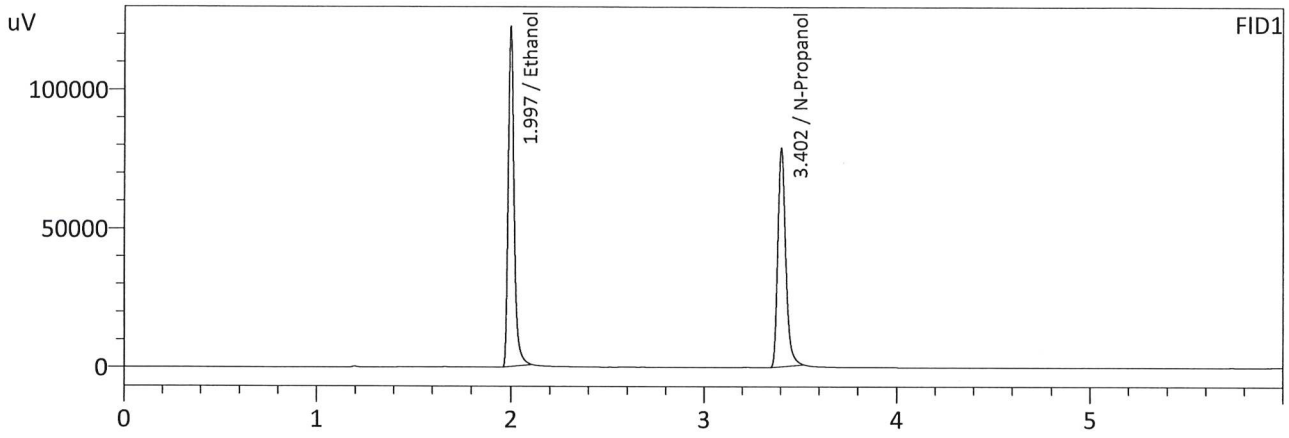
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2970	141199	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221841	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

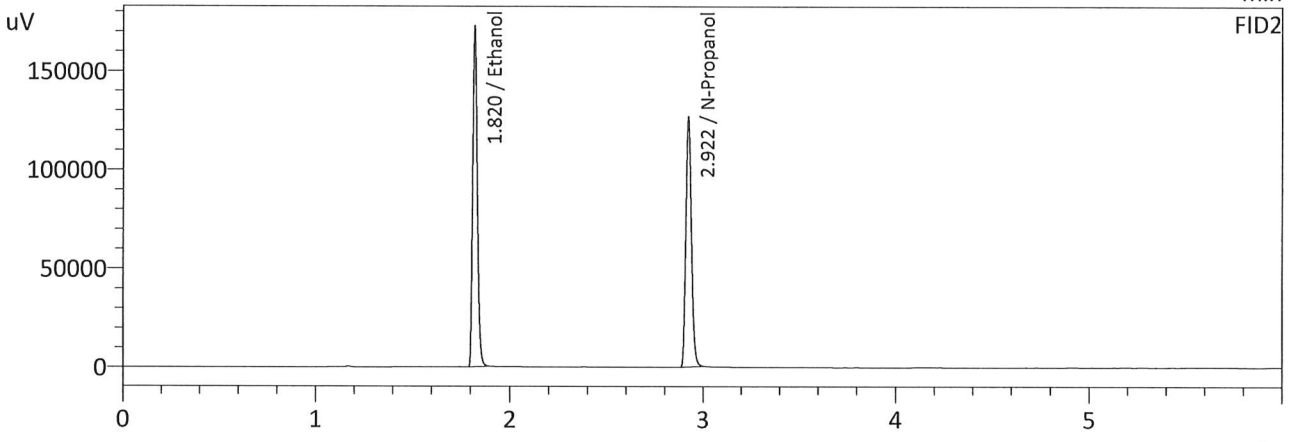
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2959	157800	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	250511	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.500
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 6:12:55 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

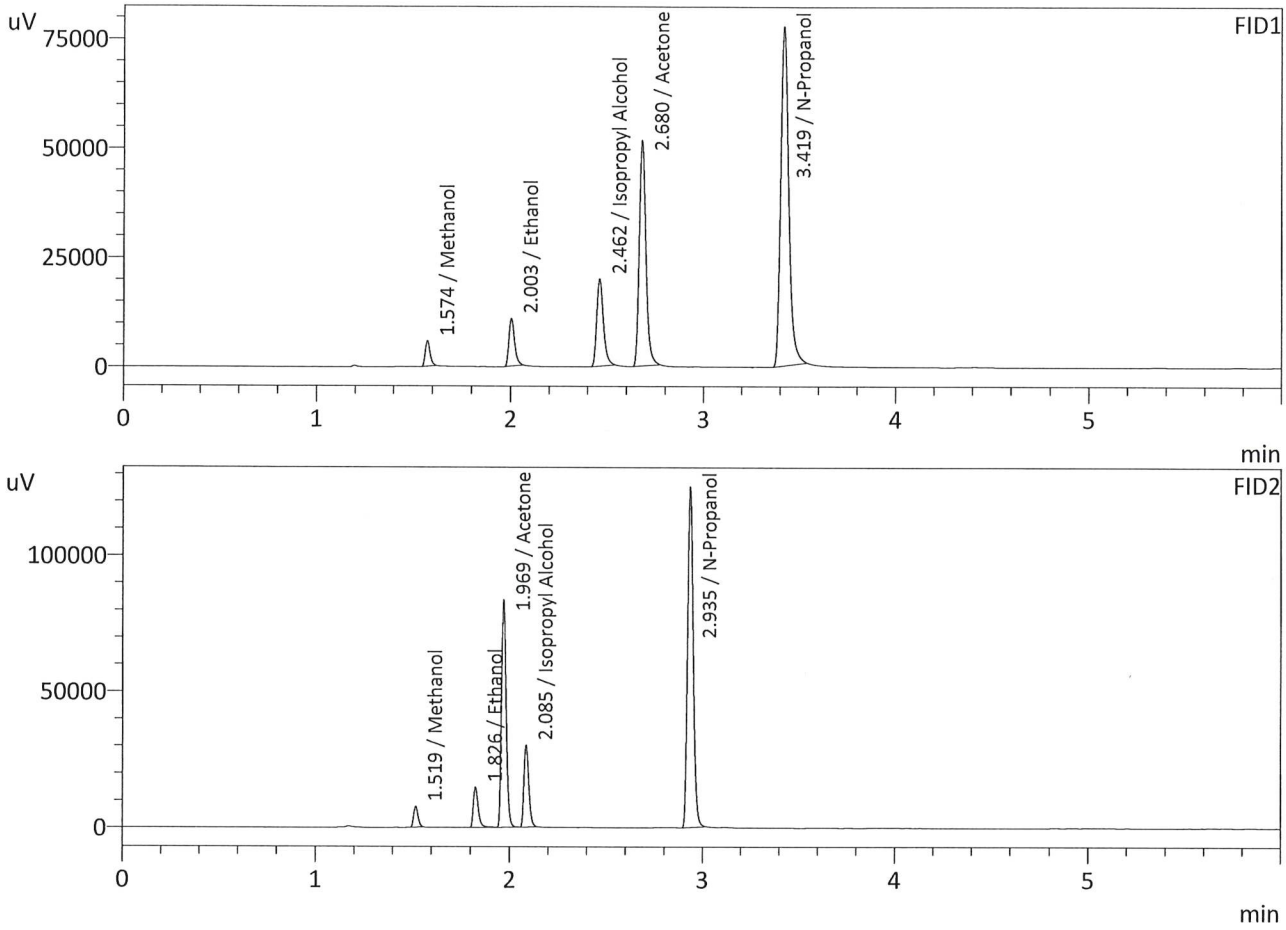
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5025	247350	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226766	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5032	278388	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	256198	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name	: MULTI-COMP MIX
Laboratory	: Coeur d' Alene Lab
Injection Date	: 8/23/2022 6:32:42 PM
Vial #	: 8
Method Filename	: C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS	: C12255850700 / C12595700181



FID1

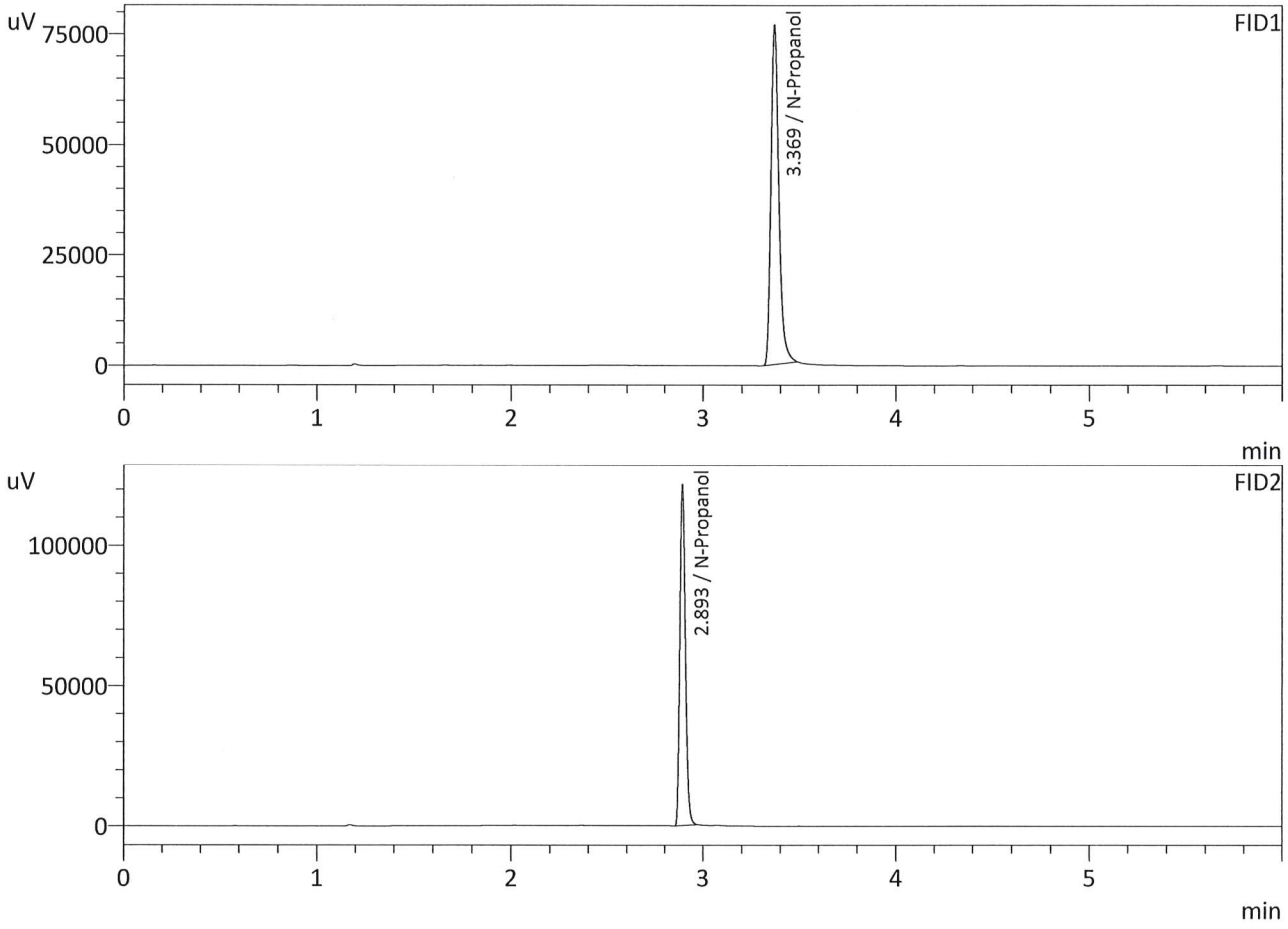
Name	Conc.	Area	Unit
Methanol	1.0000	10188	g/100cc
Ethanol	0.0531	21946	g/100cc
Isopropyl Alcohol	1.0000	47683	g/100cc
Acetone	1.0000	123538	g/100cc
N-Propanol	0.0000	225522	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	1.0000	12152	g/100cc
Ethanol	0.0552	25196	g/100cc
Acetone	1.0000	138986	g/100cc
Isopropyl Alcohol	1.0000	52285	g/100cc
N-Propanol	0.0000	253893	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 1
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 5:22:50 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



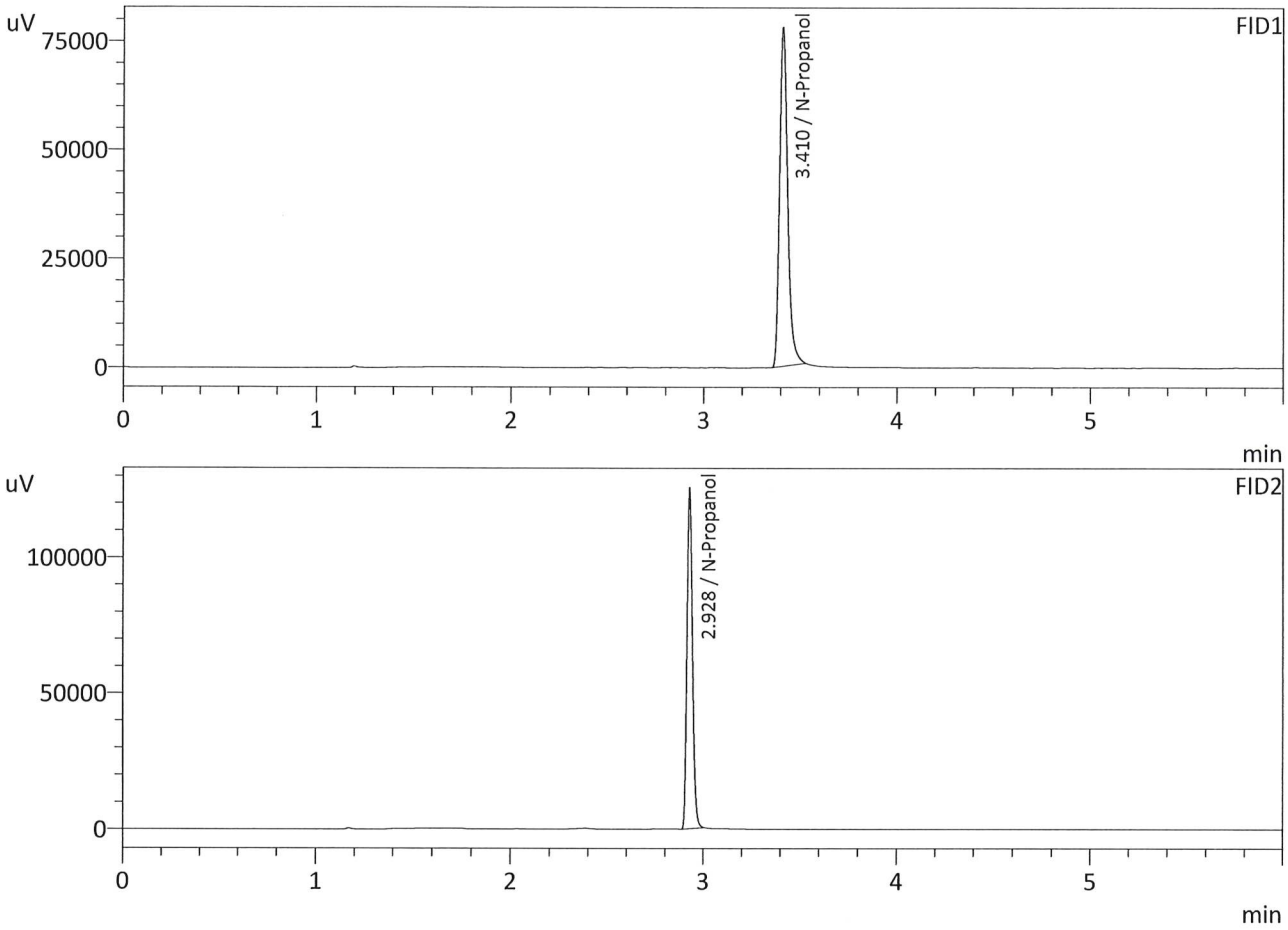
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217470	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	244287	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 2
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 6:22:13 PM
Vial # : 7
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

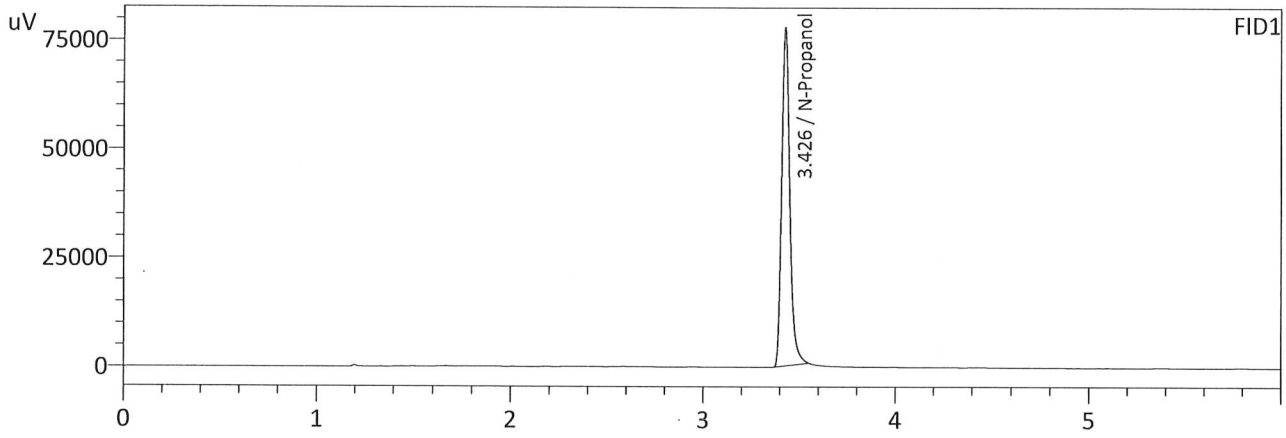
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	224984	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

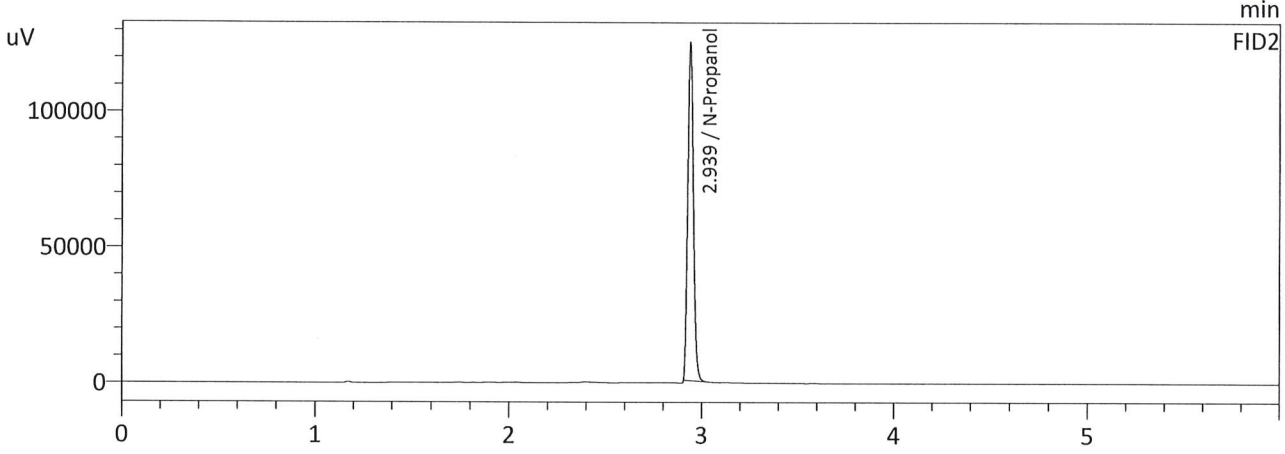
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	252976	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : INT STD BLK 3
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 6:42:00 PM
Vial # : 9
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

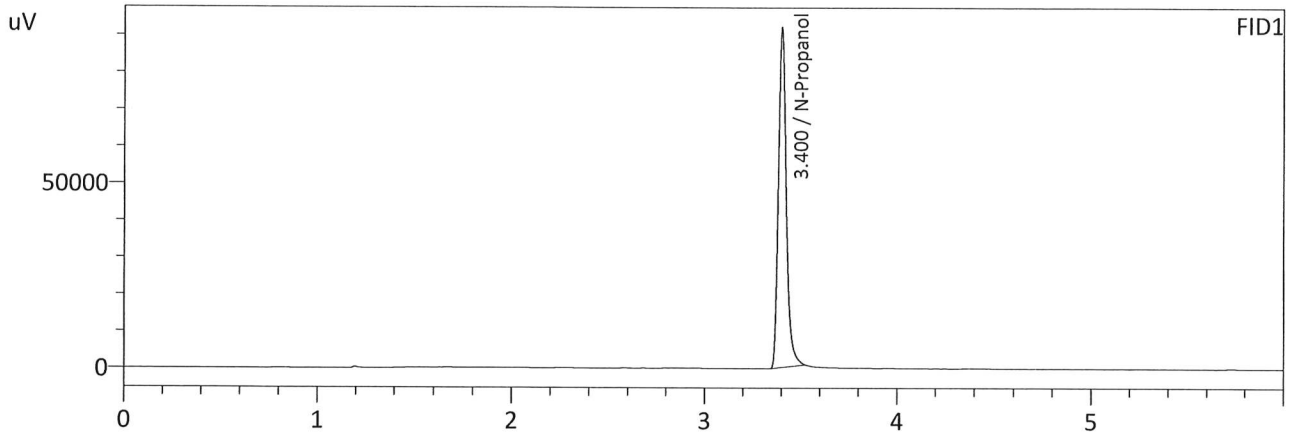
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226866	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

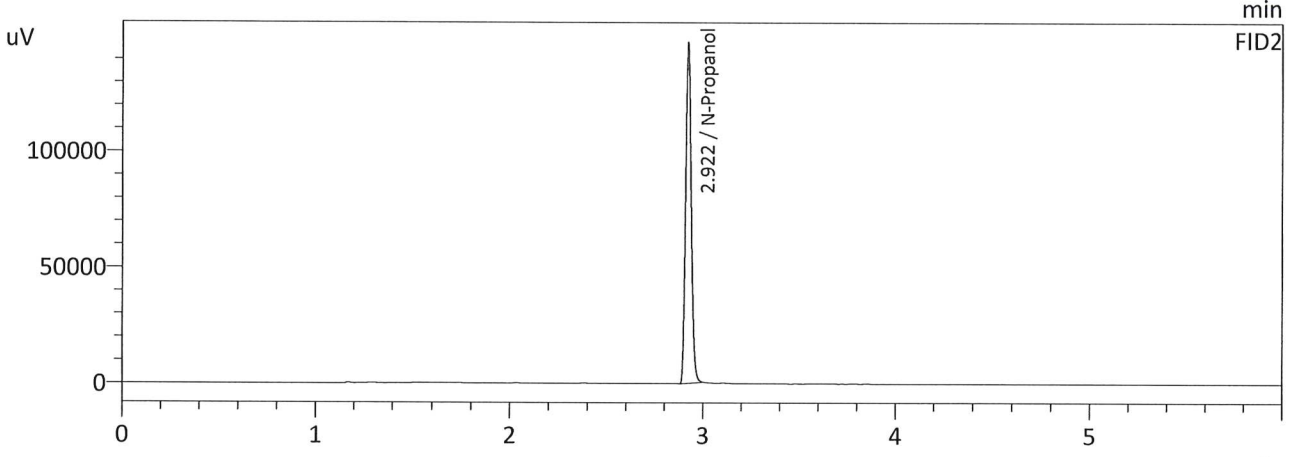
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	251916	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name	: INT STD BLK 4
Laboratory	: Coeur d' Alene Lab
Injection Date	: 8/24/2022 12:48:23 AM
Vial #	: 46
Method Filename	: C:\LabSolutions\Data\8-23-22\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	264940	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	296315	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 **Item #** **Analysis Date(s): 8/23/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0815	0.0820	0.0005	0.0817	0.0009	0.0821
(g/100cc)	0.0818	0.0834	0.0016	0.0826		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

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

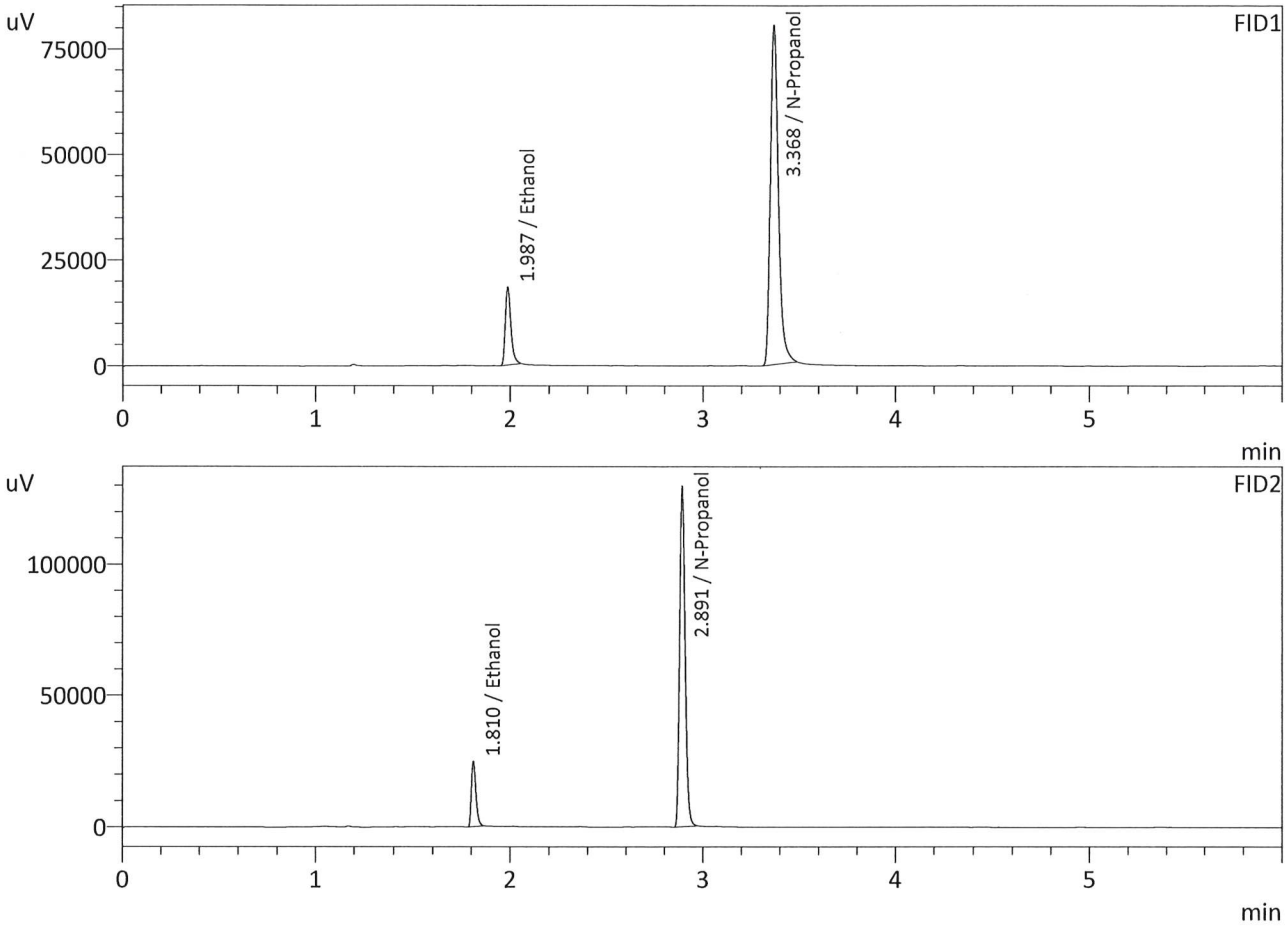
Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	**0.077**	**0.087**	**0.005**

Reported Result

0.082

Calibration and control data are stored centrally.

Sample Name : 0.08 QA - A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 7:12:15 PM
Vial # : 12
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

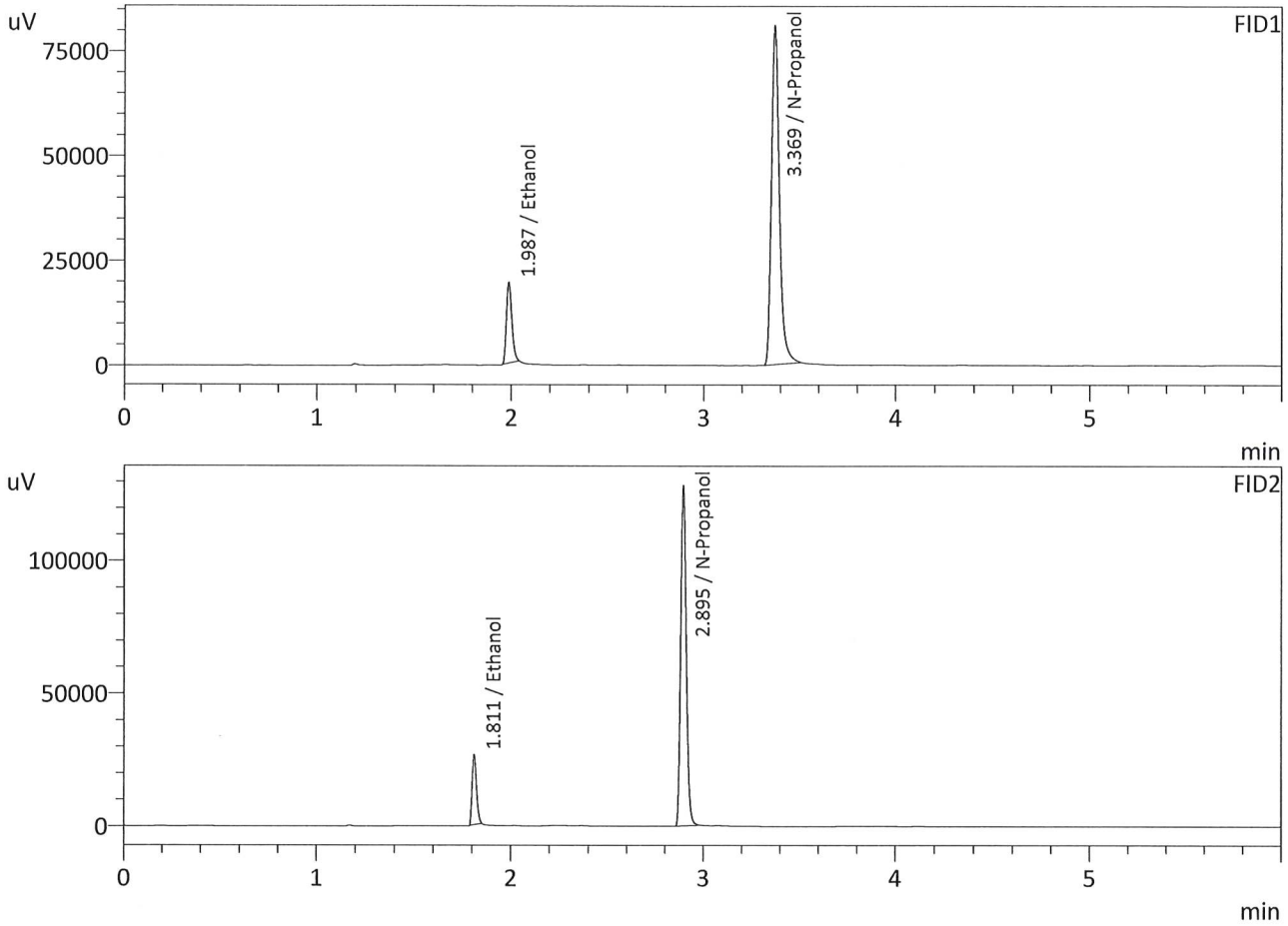
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0815	36797	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	229843	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	40860	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	257906	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : 0.08 QA - B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 7:21:34 PM
Vial # : 13
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	37085	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230984	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0834	41554	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	257229	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1 **Item #1** **Analysis Date(s): 8/23/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0811	0.0006	0.0808	0.0002	0.0807
(g/100cc)	0.0802	0.0810	0.0008	0.0806		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

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

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

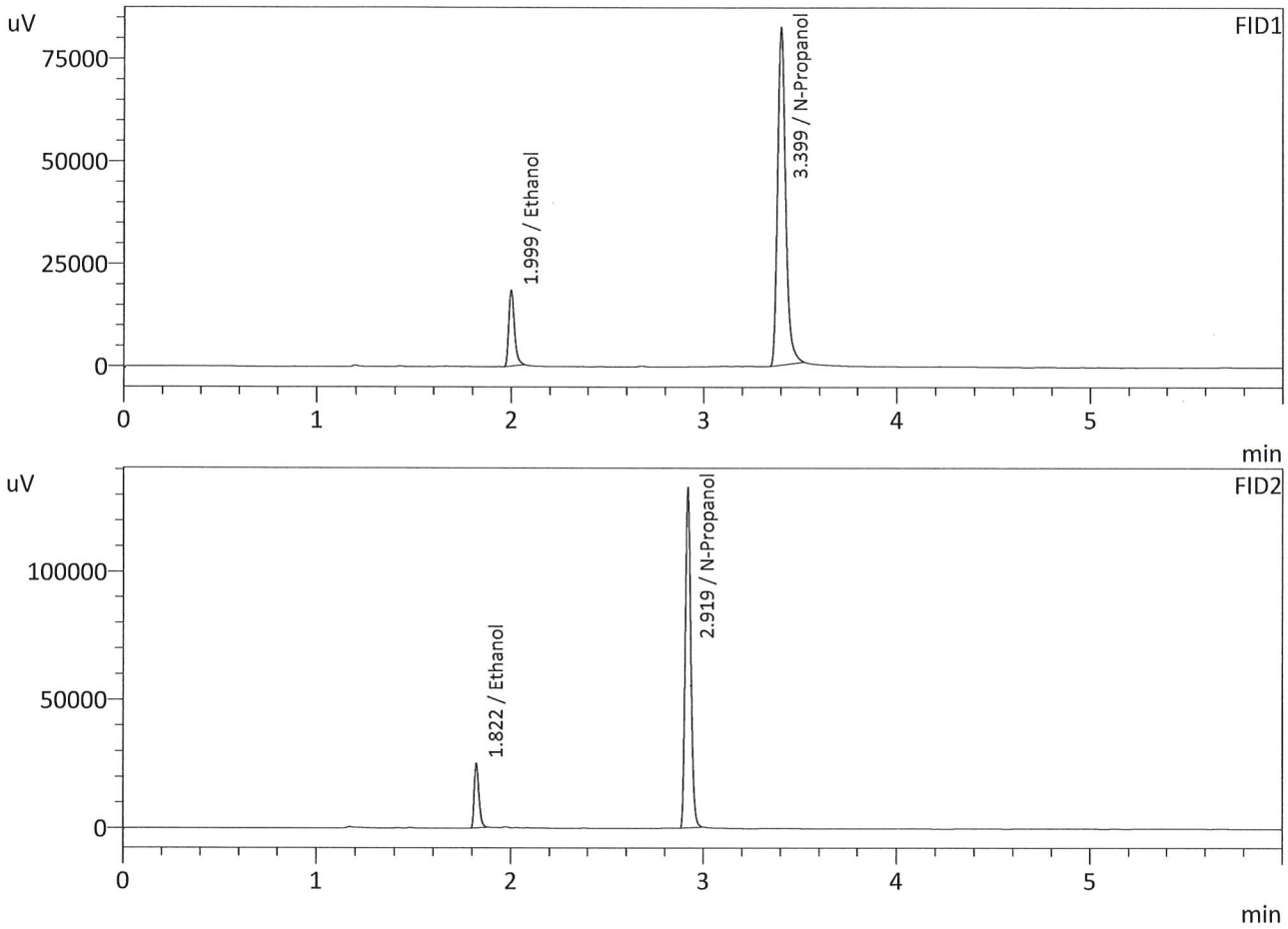
Reported Result

0.080

Calibration and control data are stored centrally.

99

Sample Name : QC-1-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 6:52:28 PM
Vial # : 10
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

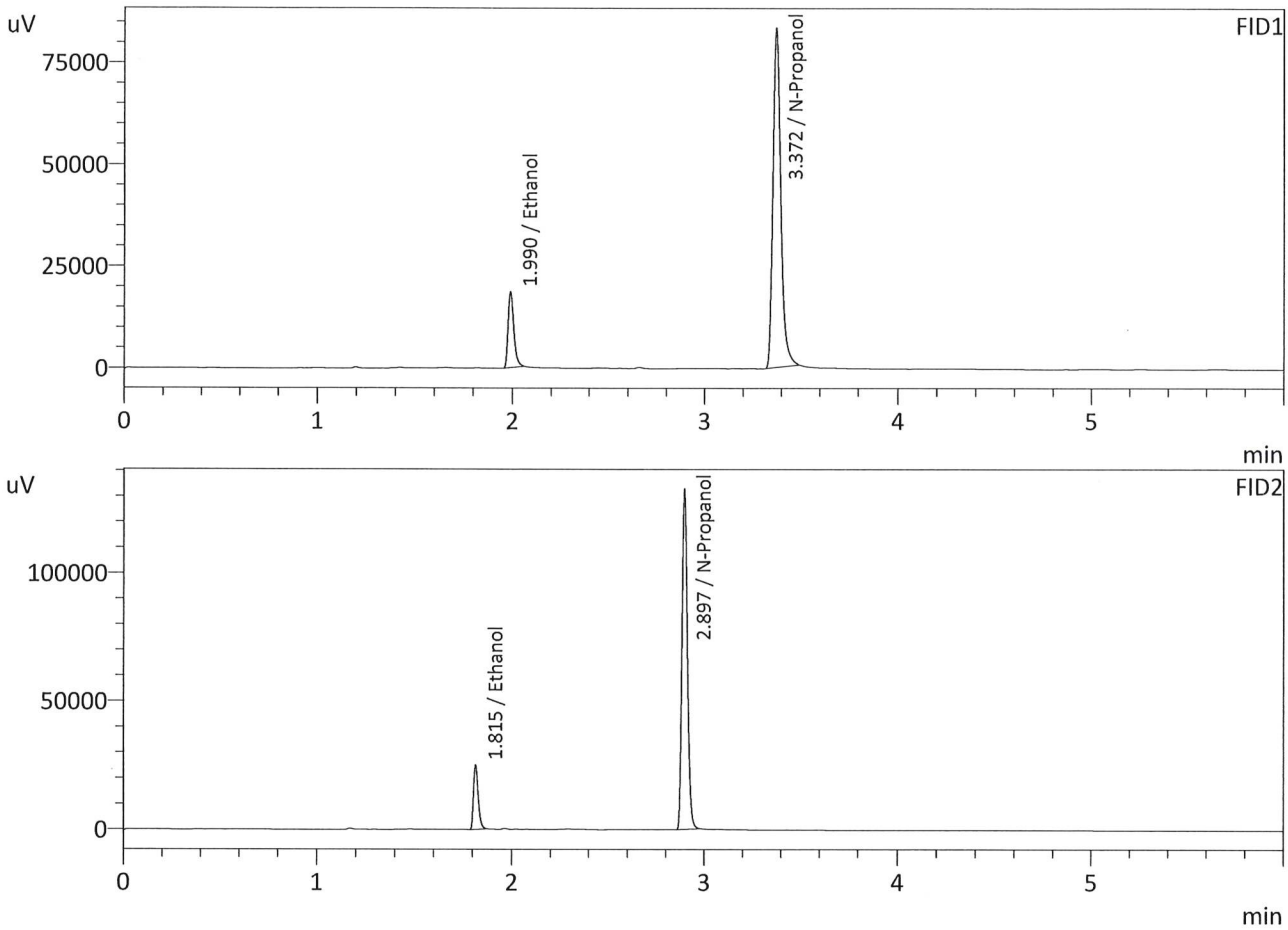
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0805	37367	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236816	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0811	41783	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	267236	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-1-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 7:01:47 PM
Vial # : 11
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0802	37158	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236451	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	41369	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	265006	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2 **Item #1** **Analysis Date(s): 8/23/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2130	0.2139	0.0009	0.2134	0.0063	0.2102
(g/100cc)	0.2067	0.2075	0.0008	0.2071		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.210	**0.199**	**0.221**	**0.011**

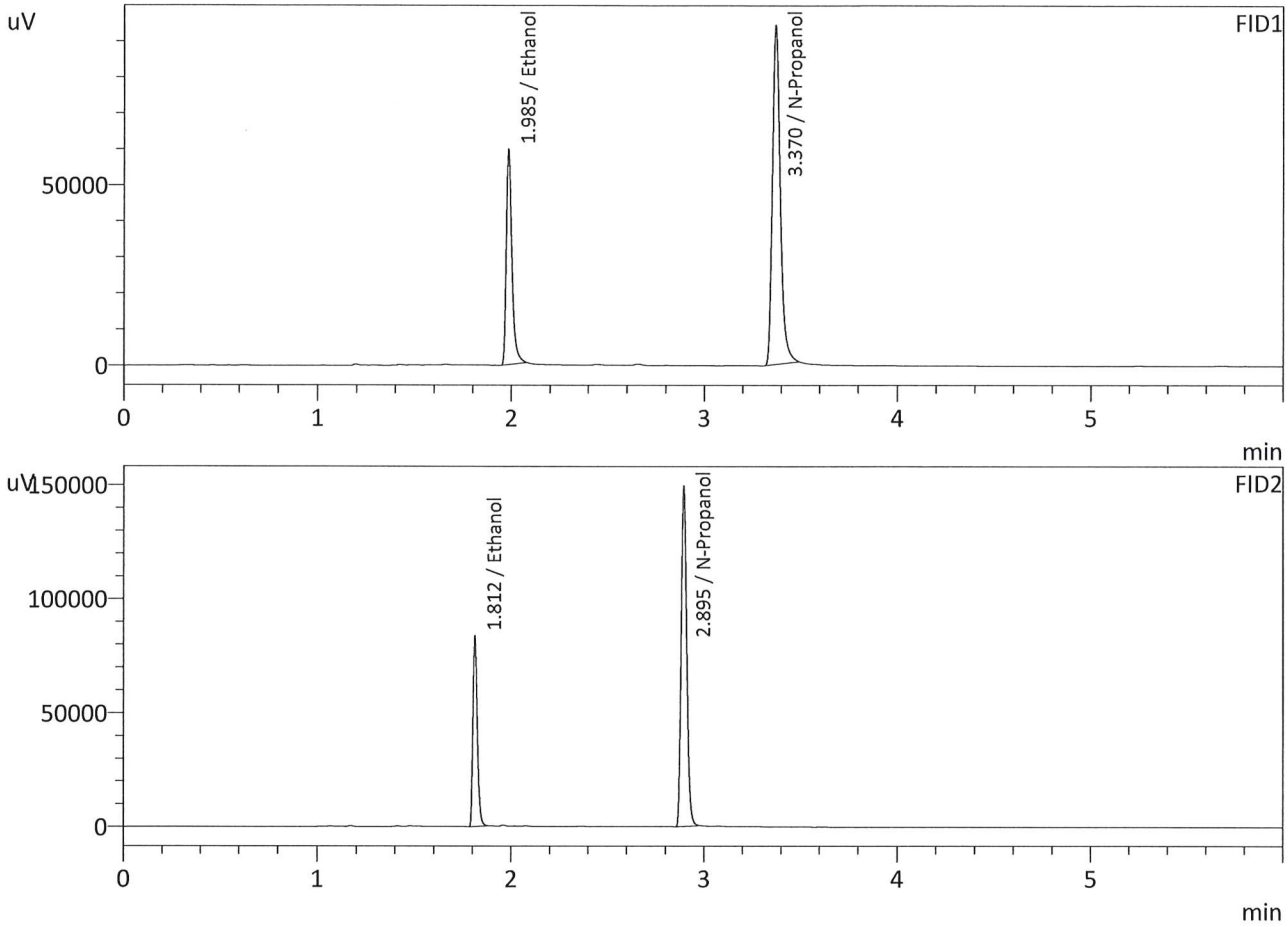
Reported Result

0.210

Calibration and control data are stored centrally.

99

Sample Name : QC-2-1-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 10:30:02 PM
Vial # : 32
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



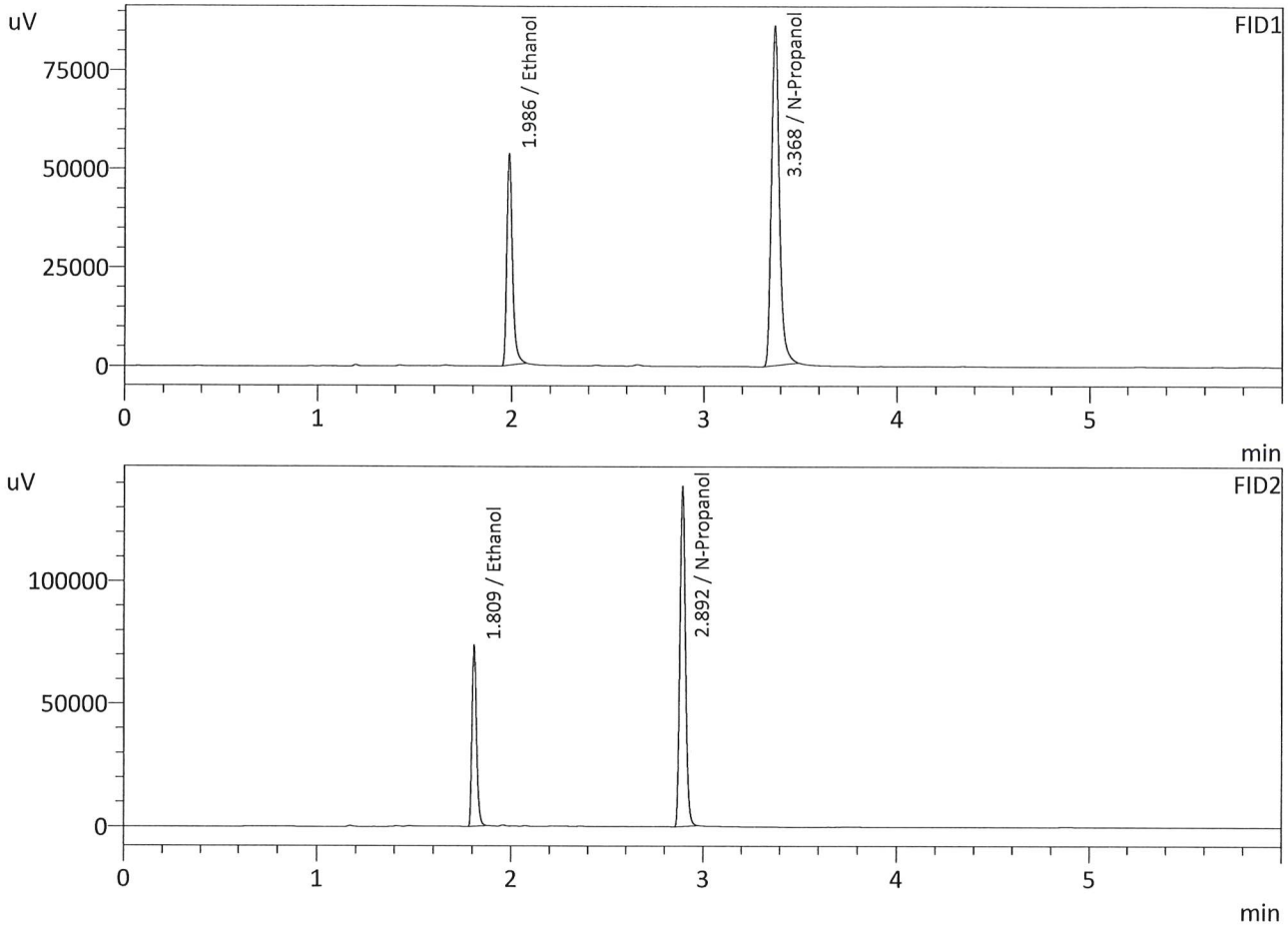
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2130	120369	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	267065	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2139	134249	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	298929	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 10:39:20 PM
Vial # : 33
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2067	107454	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	246041	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2075	119641	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	275005	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2 **Item #2** **Analysis Date(s): 8/23/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2094	0.2098	0.0004	0.2096	0.0005	0.2098
(g/100cc)	0.2102	0.2100	0.0002	0.2101		

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

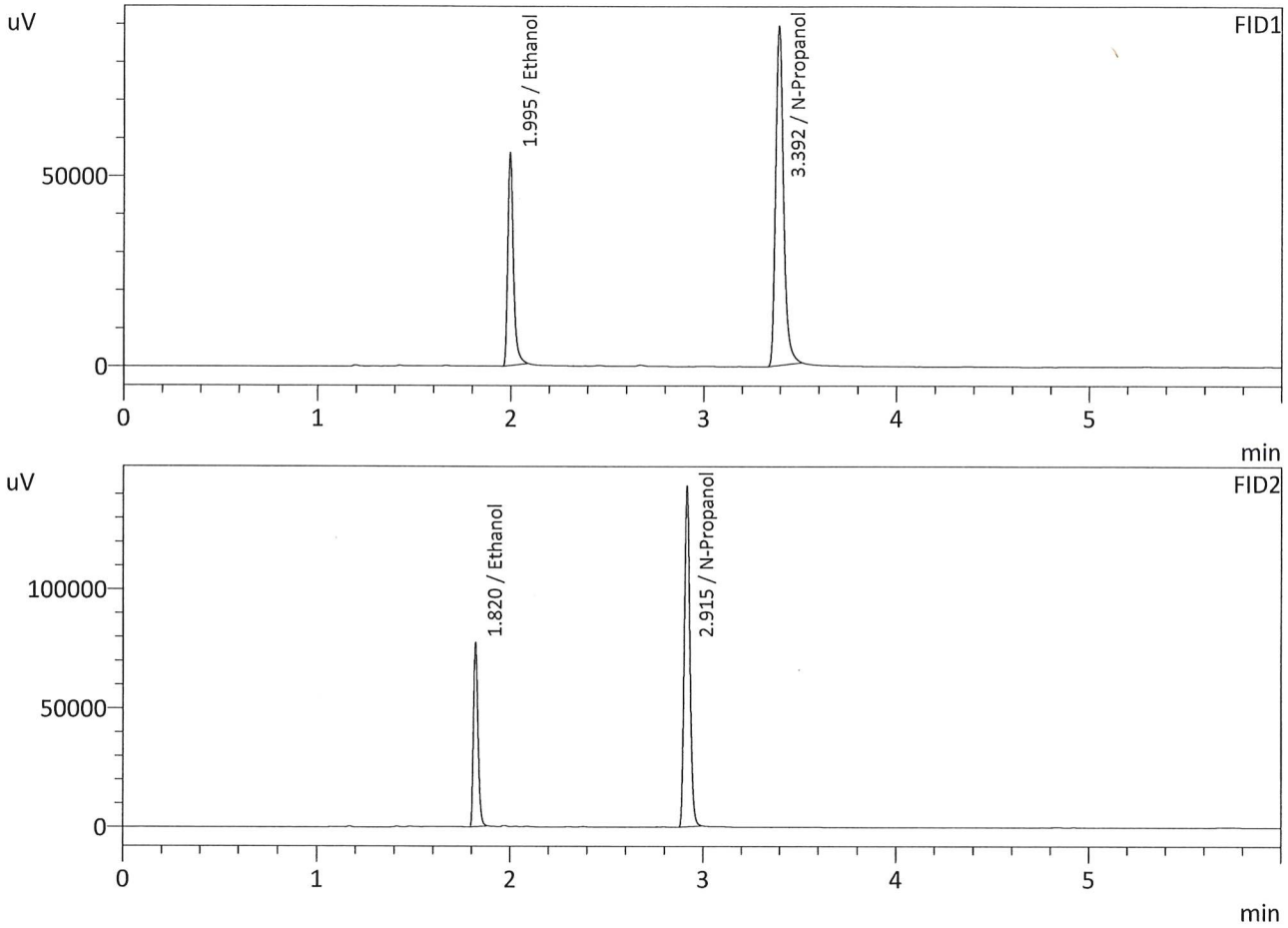
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.209	**0.198**	**0.220**	**0.011**

	Reported Result	
	0.209	

Calibration and control data are stored centrally.

Sample Name : QC-2-2-A
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2022 12:28:44 AM
Vial # : 44
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181



FID1

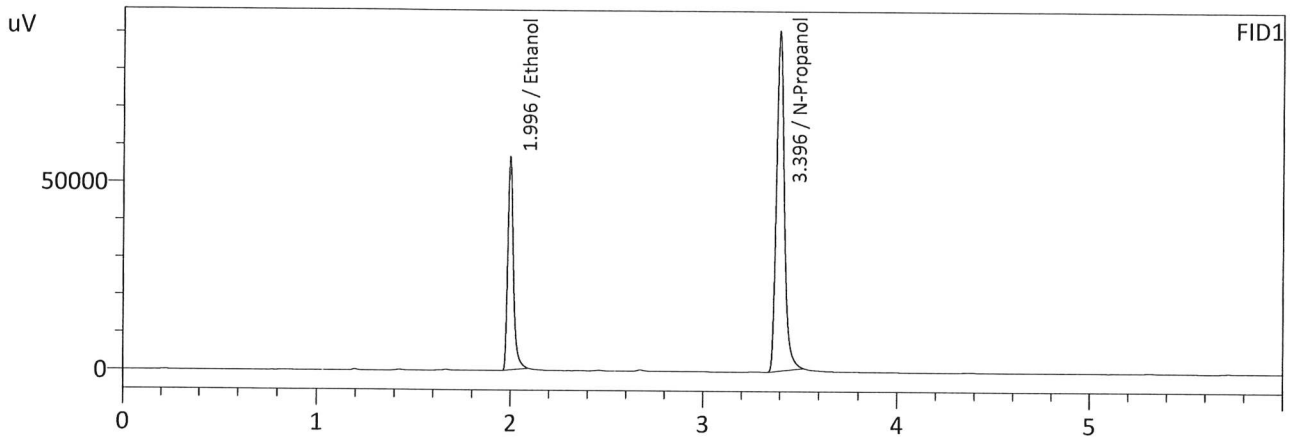
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2094	113409	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	256178	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

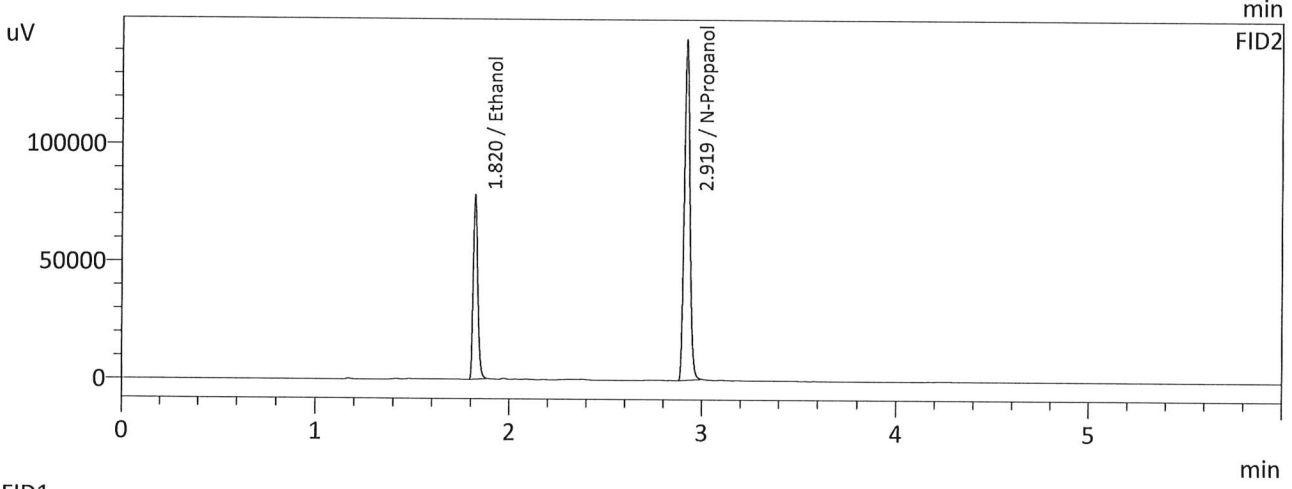
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2098	126139	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	286665	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Sample Name : QC-2-2-B
Laboratory : Coeur d' Alene Lab
Injection Date : 8/24/2022 12:38:02 AM
Vial # : 45
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2102	115593	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	260083	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2100	128205	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	291029	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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):** **8/23/2022**

Calibration Date: *(if different)*

Worklist #: **Worklist # 6072**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	19070006 99 8-26-23	0.0764	0.0688-0.0840	0.0807 g/100cc
					g/100cc
					g/100cc
Level 2	Jul-23	19070007 99	0.2170	0.1953-0.2387	0.2102 g/100cc
					0.2098 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	July 31, 2024	Lot #	FN04231907	OK
Curve Fit:		Column 1	0.99974	Column2	0.99962

Ethanol Calibration Reference Material

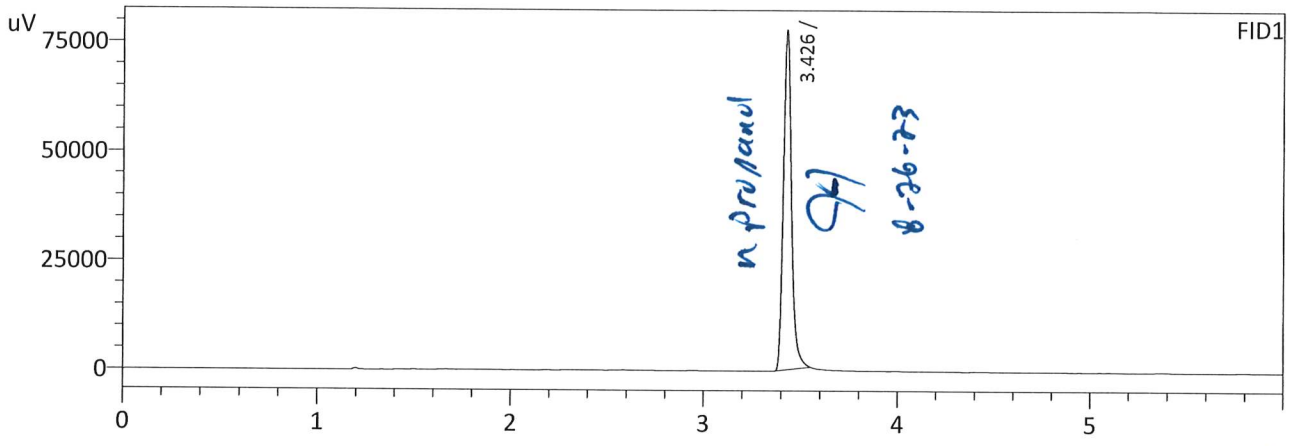
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0524	0.0531	0.0007	0.0527
100	0.100	0.090 - 0.110	0.1010	0.1009	0.0001	0.1009
200	0.200	0.180 - 0.220	0.1967	0.1967	0	0.1967
300	0.300	0.270 - 0.330	0.2970	0.2959	0.0011	0.2964
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5025	0.5032	0.0007	0.5028

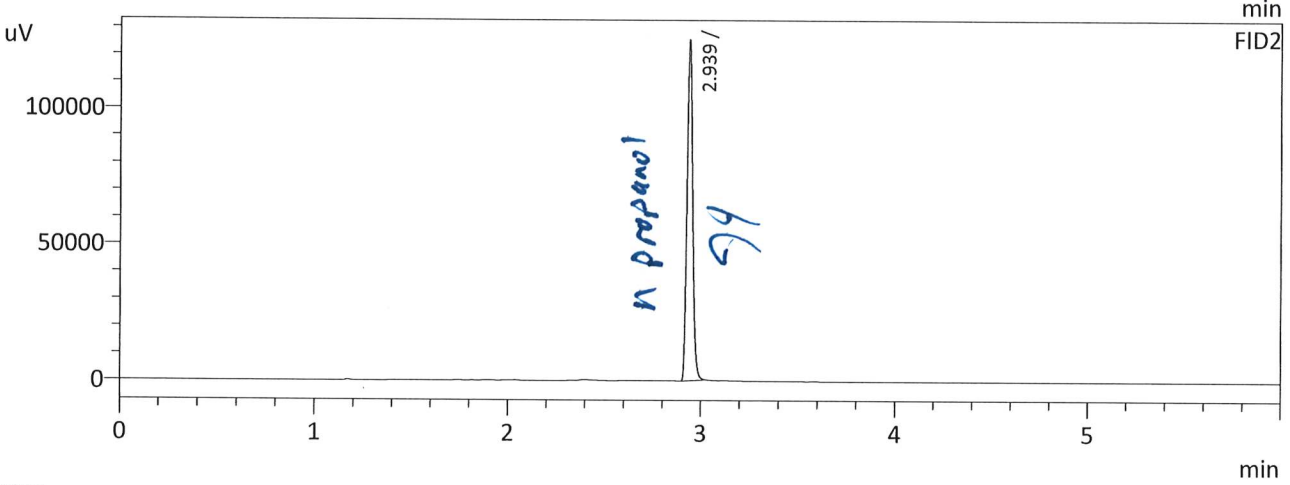
Aqueous Controls

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

99

Sample Name : INT STD BLK 3
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 6:42:00 PM
Vial # : 9
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

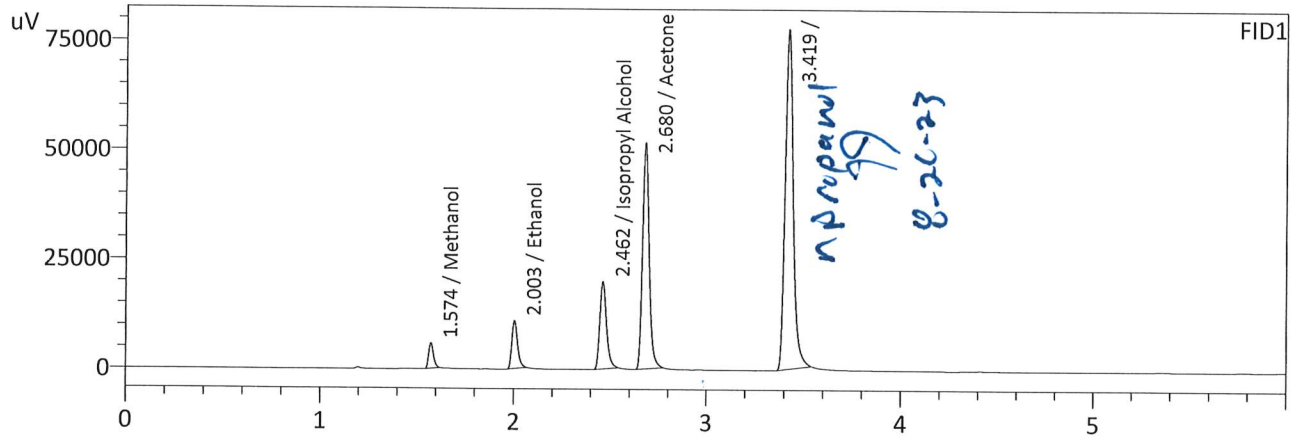
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	--	--	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

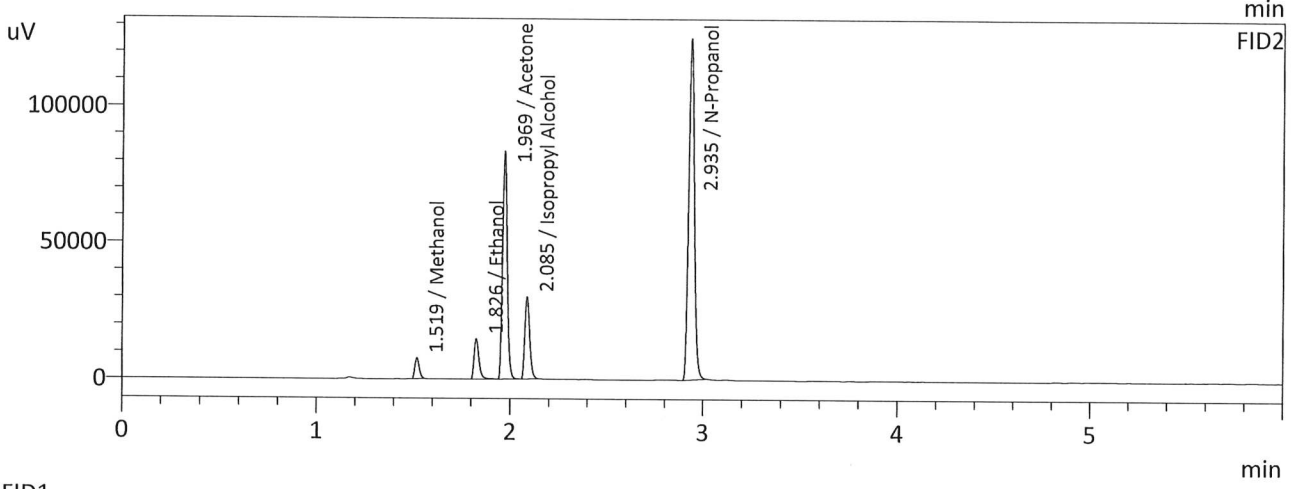
FID2

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

99

Sample Name : MULTI-COMP MIX
Laboratory : Coeur d' Alene Lab
Injection Date : 8/23/2022 6:32:42 PM
Vial # : 8
Method Filename : C:\LabSolutions\Data\8-23-22\ALCOHOL.GCM
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	10188	g/100cc
Ethanol	0.0000	21946	g/100cc
Isopropyl Alcohol	0.0000	47683	g/100cc
Acetone	0.0000	123538	g/100cc
N-Propanol	--	--	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	1.0000	12152	g/100cc
Ethanol	0.0552	25196	g/100cc
Acetone	1.0000	138986	g/100cc
Isopropyl Alcohol	1.0000	52285	g/100cc
N-Propanol	0.0000	253893	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc