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REVIEWED
By Anne Nord at 12:42 pm, Apr 12, 2024

4/12/2024

Worklist: 6766

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2024-0504	1	BCK	Alcohol Analysis
C2024-0507	1	BCK	Alcohol Analysis
C2024-0585	1	BCK	Alcohol Analysis
C2024-0613	1	BCK	Alcohol Analysis
C2024-0623	1	BCK	Alcohol Analysis
C2024-0624	1	BCK	Alcohol Analysis
C2024-0629	1	BCK	Alcohol Analysis
C2024-0641	1	BCK	Alcohol Analysis
C2024-0648	1	BCK	Alcohol Analysis
C2024-0667	1	BCK	Alcohol Analysis
C2024-0685	1	BCK	Alcohol Analysis
C2024-0686	1	BCK	Alcohol Analysis
C2024-0696	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 DB Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
78	INT STD BLK 5	0:Unknown	0	ALCOHOL Long.gcm
79	INT STD BLK 6	0:Unknown	0	ALCOHOL Long.gcm
80	INT STD BLK 7	0:Unknown	0	ALCOHOL Long.gcm
81	INT STD BLK 8	0:Unknown	0	ALCOHOL Long.gcm
82	INT STD BLK 9	0:Unknown	0	ALCOHOL Long.gcm
83	INT STD BLK 10	0:Unknown	0	ALCOHOL Long.gcm
1	INT STD BLK 1	0:Unknown	0	ALCOHOL Long.gcm
2	0.050 FN03122111	1:Standard:(R)	1	ALCOHOL Long.gcm
3	0.100 FN11172002	1:Standard:(R)	2	ALCOHOL Long.gcm
4	0.200 FN02052101	1:Standard:(R)	3	ALCOHOL Long.gcm
5	0.400 FN03052102	1:Standard:(R)	4	ALCOHOL Long.gcm
6	0.500 FN06262004	1:Standard:(R)	5	ALCOHOL Long.gcm
7	INT STD BLK 2	0:Unknown	0	ALCOHOL Long.gcm
8	I-COMP MIX LOT# FN01	1:Standard:(R)	6	ALCOHOL Long.gcm
9	INT STD BLK 3	0:Unknown	0	ALCOHOL Long.gcm
10	QC-1-1	0:Unknown	0	ALCOHOL Long.gcm
11	QC-1-1-B	0:Unknown	0	ALCOHOL Long.gcm
12	.08 QA LOT# FN0623220	0:Unknown	0	ALCOHOL Long.gcm
13	08 QA-B LOT# FN062322	0:Unknown	0	ALCOHOL Long.gcm
14	C2024-0504-1	0:Unknown	0	ALCOHOL Long.gcm
15	C2024-0504-1-B	0:Unknown	0	ALCOHOL Long.gcm
16	C2024-0507-1	0:Unknown	0	ALCOHOLLong.gcm
17	C2024-0507-1-B	0:Unknown	0	ALCOHOL Long.gcm
18	C2024-0585-1	0:Unknown	0	ALCOHOL Long.gcm
19	C2024-0585-1-B	0:Unknown	0	ALCOHOL Long.gcm
20	C2024-0613-1	0:Unknown	0	ALCOHOL Long.gcm
21	C2024-0613-1-B	0:Unknown	0	ALCOHOL Long.gcm
22	C2024-0623-1	0:Unknown	0	ALCOHOL Long.gcm
23	C2024-0623-1-B	0:Unknown	0	ALCOHOL Long.gcm
24	C2024-0624-1	0:Unknown	0	ALCOHOL Long.gcm
25	C2024-0624-1-B	0:Unknown	0	ALCOHOL Long.gcm
26	C2024-0629-1	0:Unknown	0	ALCOHOL Long.gcm
27	C2024-0629-1-B	0:Unknown	0	ALCOHOL Long.gcm
28	C2024-0641-1	0:Unknown	0	ALCOHOL Long.gcm
29	C2024-0641-1-B	0:Unknown	0	ALCOHOL Long.gcm
30	C2024-0648-1	0:Unknown	0	ALCOHOL Long.gcm
31	C2024-0648-1-B	0:Unknown	0	ALCOHOL Long.gcm
32	QC-2-1	0:Unknown	0	ALCOHOL Long.gcm
33	QC-2-1-B	0:Unknown	0	ALCOHOL Long.gcm
34	C2024-0667-1	0:Unknown	0	ALCOHOL Long.gcm
35	C2024-0667-1-B	0:Unknown	0	ALCOHOL Long.gcm
36	C2024-0685-1	0:Unknown	0	ALCOHOL Long.gcm
37	C2024-0685-1-B	0:Unknown	0	ALCOHOL Long.gcm
38	C2024-0686-1	0:Unknown	0	ALCOHOL Long.gcm
39	C2024-0686-1-B	0:Unknown	0	ALCOHOL Long.gcm
40	C2024-0696-1	0:Unknown	0	ALCOHOL Long.gcm
41	C2024-0696-1-B	0:Unknown	0	ALCOHOL Long.gcm
42	QC-2-2	0:Unknown	0	ALCOHOL Long.gcm
43	QC-2-2-B	0:Unknown	0	ALCOHOL Long.gcm
44	INT STD BLK 4	0:Unknown	0	ALCOHOL Long.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):** **4-11-2024**

Calibration Date: *(if different)*

Worklist # **6766**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727 - 0.0889	0.0799 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827 – 0.2233	0.1954 g/100cc
					0.1962 g/100cc
					g/100cc

Multi-Component mixture:	**Exp:**	January 31, 2026	**Lot #**	FN01212104		OK
Curve Fit:		**Column 1**	0.99975		**Column2**	0.99966

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0531	0.0537	0.0006	0.0534
100	0.100	0.090 - 0.110	0.0995	0.0994	0.0001	0.0994
200	0.200	0.180 - 0.220	0.1958	0.1951	0.0007	0.1954
300	0.300	0.270 - 0.330			0	#DIV/0!
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5014	0.5016	0.0002	0.5015

Aqueous Controls

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

Internal Standard Monitoring Worksheet

Worklist #:	6766	Run Date(s):	4-11-2024

Internal Standard Solution: Lot# A014463901	Prep Date: 11/13/2023	Exp Date: 5/13/2024

Sample Name	Column 1 Value	Column 2 Value
0.080	252502	256770
0.080	254345	258596
QC1	252261	256510
QC1	252659	257247
QC1		
QC1		
QC1		
QC1		
QC2	270908	274440
QC2	268355	272204
QC2	277217	280673
QC2	284032	287833
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	264034.9	211227.9	316841.9
Column 2	268034.1	214427.3	321641.0

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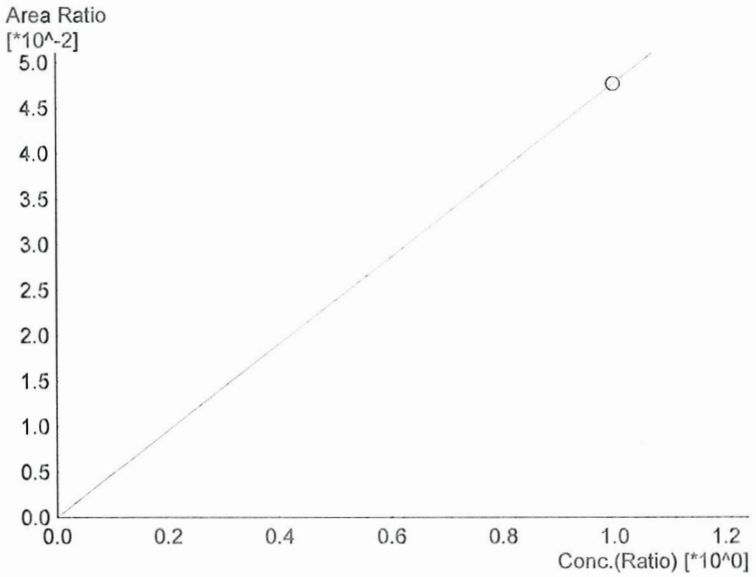
Calibration Table

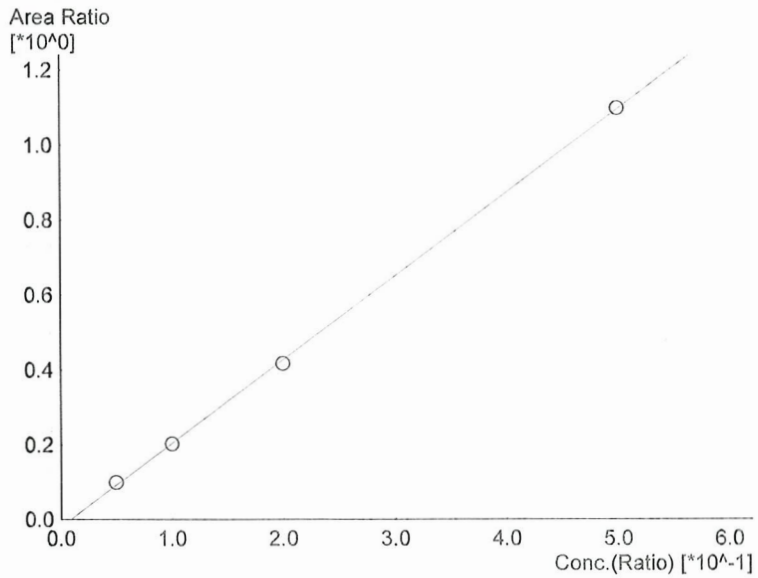
Laboratory : Coeur d' Alene
Instrument Name : BML8F33-Instrument1
Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
Method File :Default Project - ALCOHOL Long.gcm
Batch File :Default Project - 4-11-24.gcb
Date Acquired :4/11/2024 4:52:45 PM
Date Created :4/11/2024 4:50:09 PM
Date Modified :4/12/2024 10:16:44 AM



Name : Methanol
Detector Name: FID1
Function : f(x)=0.0476735*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	11812	1.0000



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.23058*x-0.0194907
R^2 value= 0.9997543
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	23670	0.0531
2	0.100	48656	0.0995
3	0.200	100456	0.1958
5	0.500	272404	0.5014

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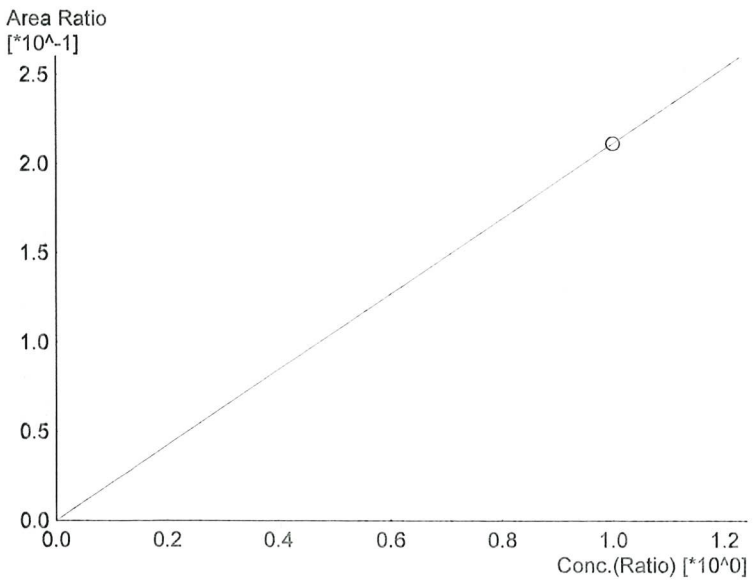
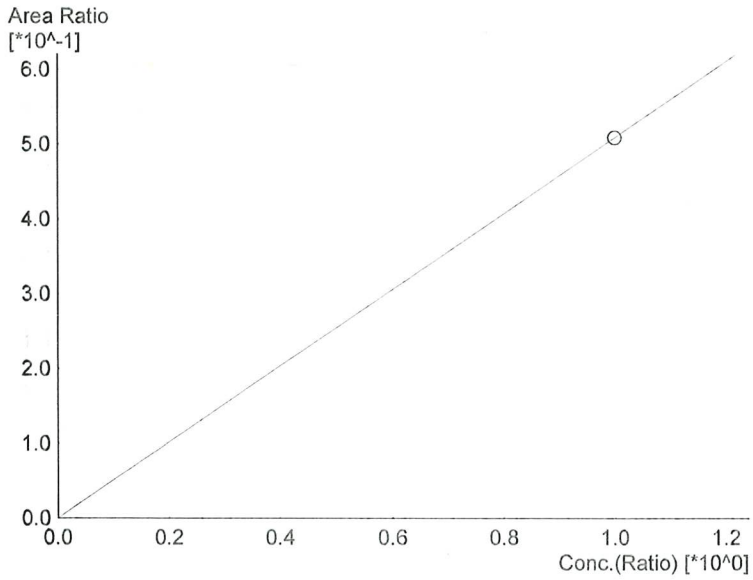


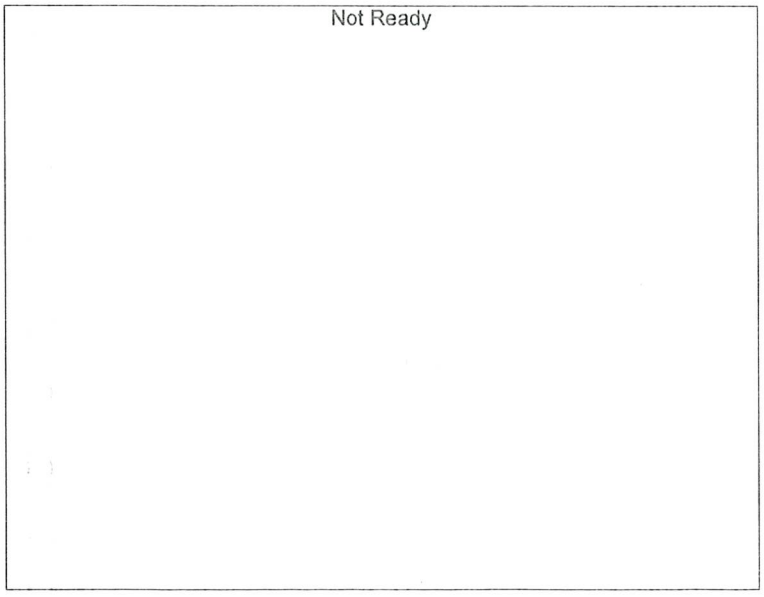
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0.211553*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	52415	1.0000



Name : Acetone
Detector Name: FID1
Function : f(x)=0.509025*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	126118	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.

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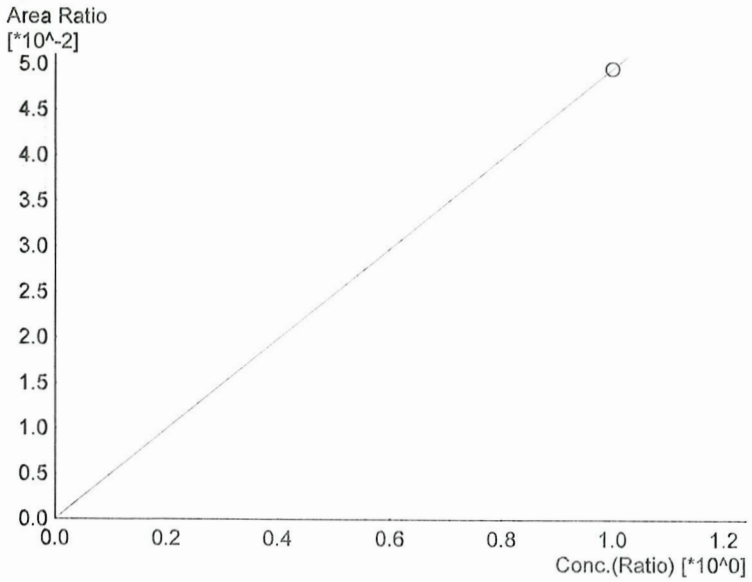
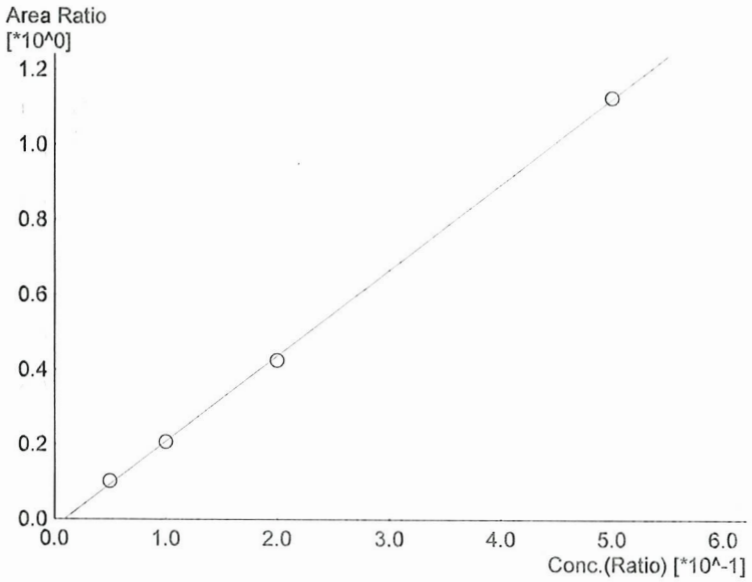


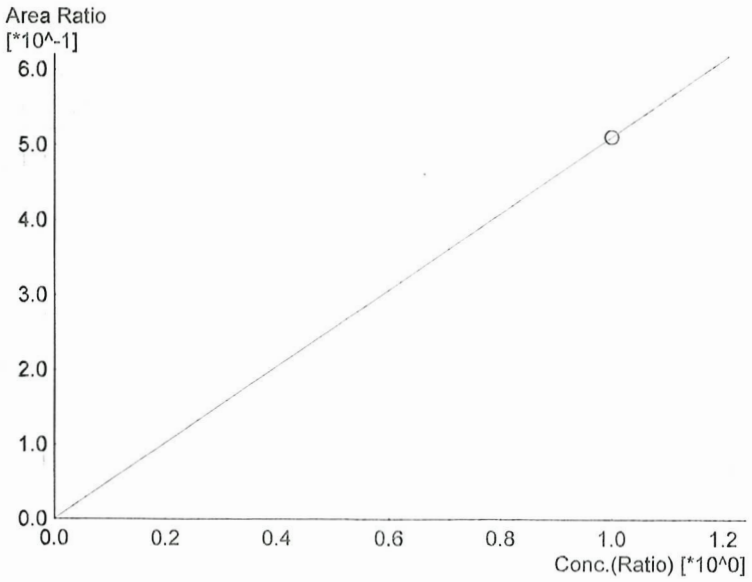
Name : Methanol
Detector Name: FID2
Function : f(x)=0.0496153*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	12490	1.0000



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.29007*x-0.0211232
R^2 value= 0.9996696
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	24680	0.0537
2	0.100	50424	0.0994
3	0.200	104129	0.1951
5	0.500	283996	0.5016



Name : Acetone
Detector Name: FID2
Function : f(x)=0.511943*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	128874	1.0000

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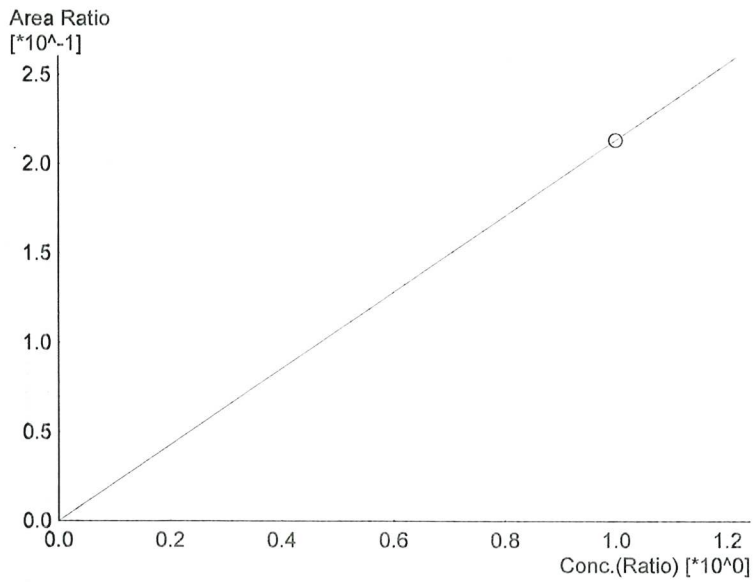
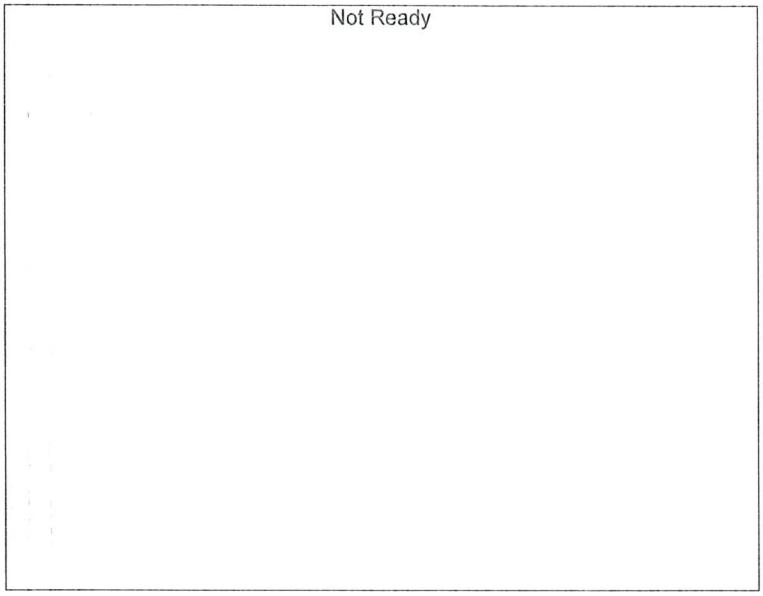


Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0.213474*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	53739	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.

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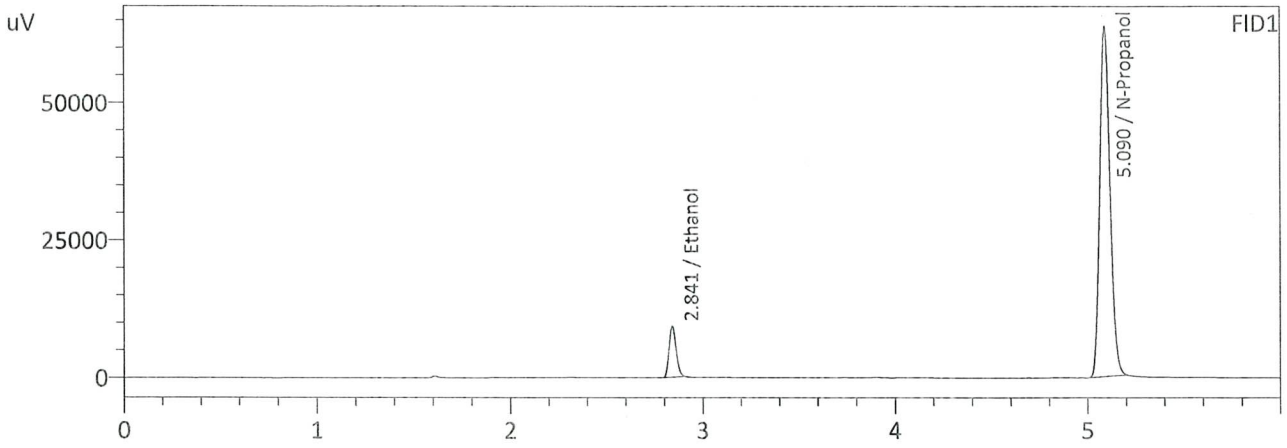
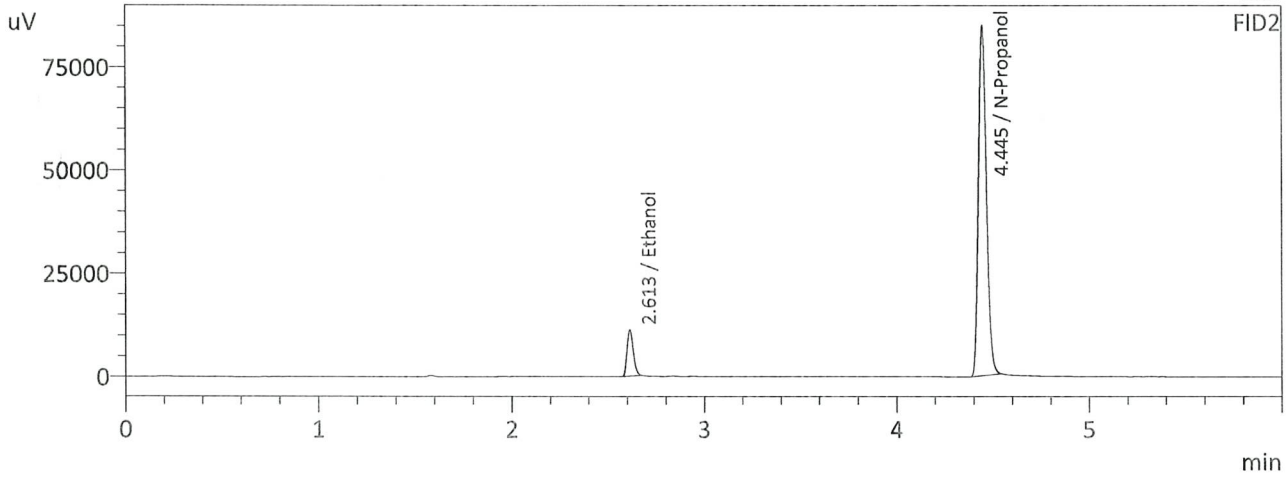
Sample Name : 0.050 FN03122111
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 4:14:08 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0531	23670	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	238778	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0537	24680	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	242295	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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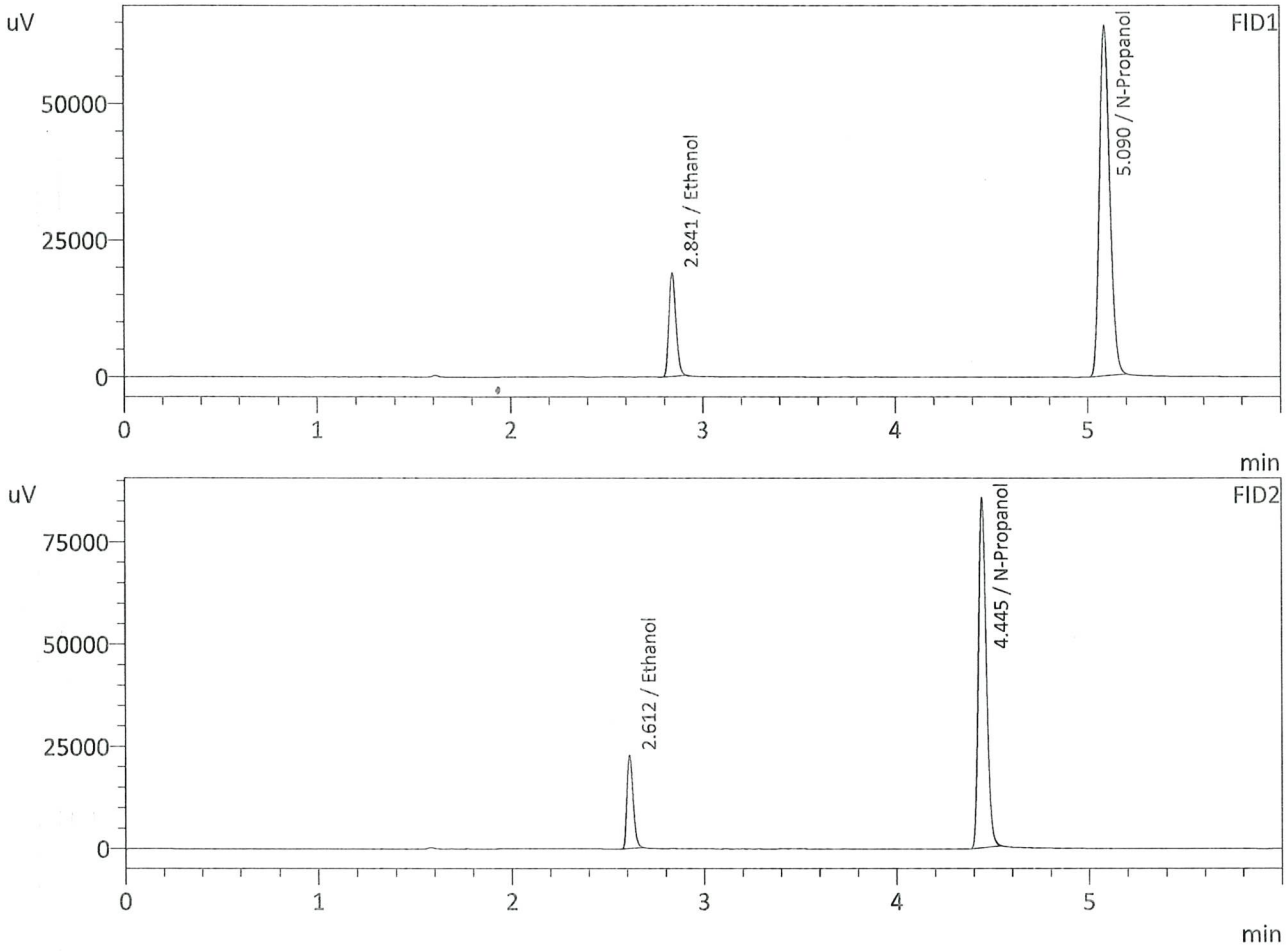
Sample Name : 0.100 FN11172002
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 4:24:41 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0995	48656	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	240155	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0994	50424	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	243987	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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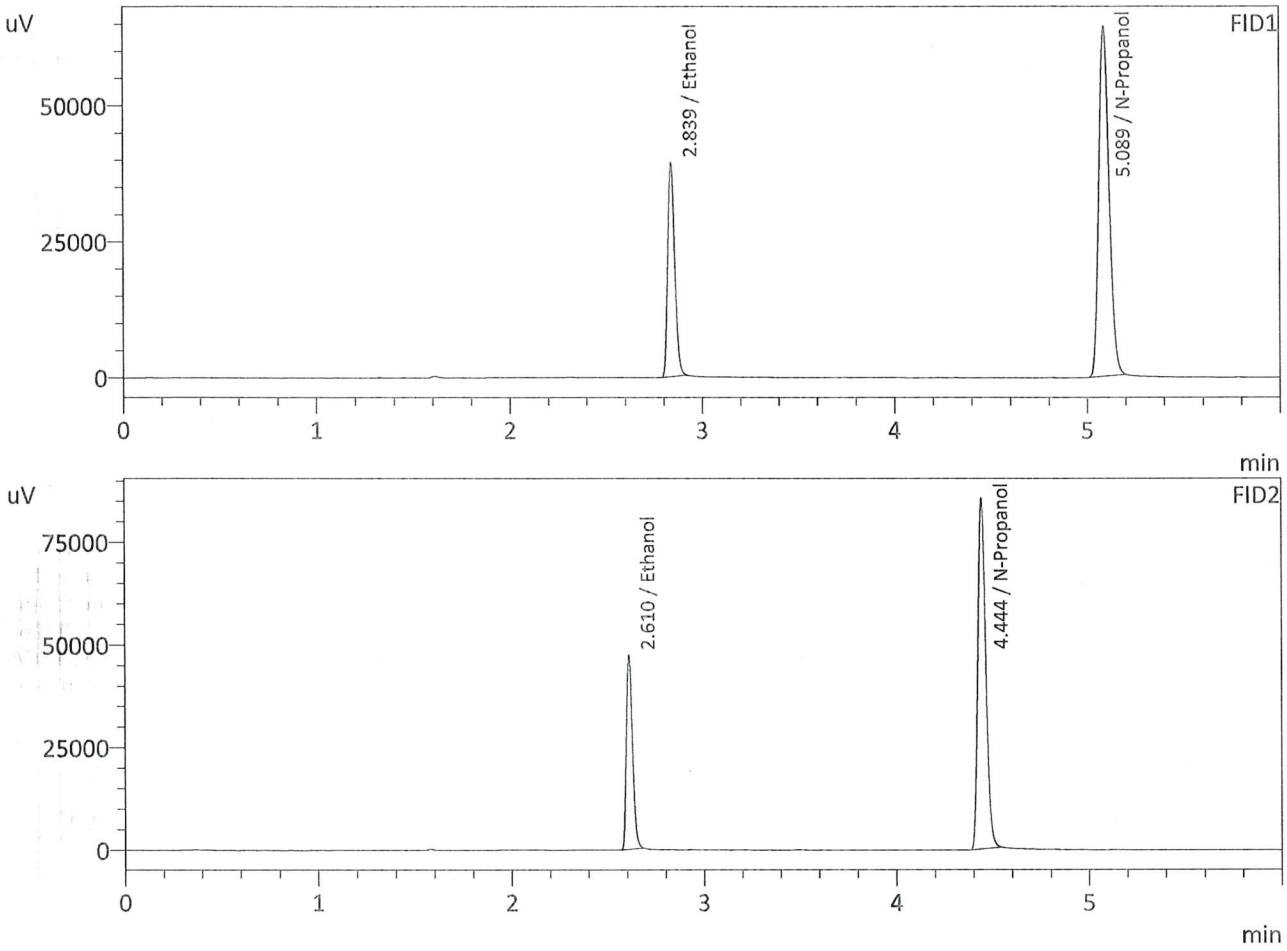
Sample Name : 0.200 FN02052101
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 4:33:22 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1958	100456	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	240742	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1951	104129	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	244553	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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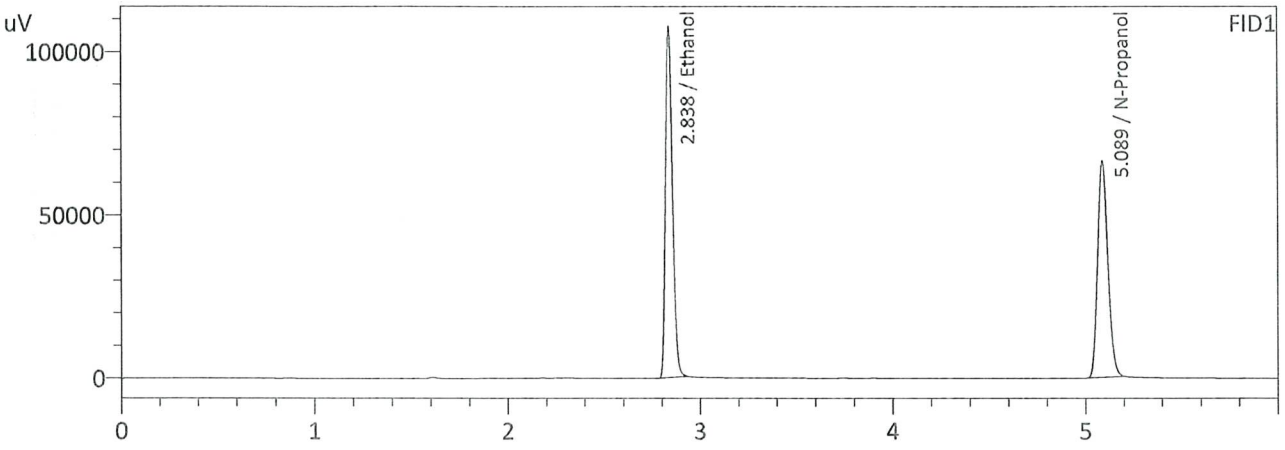
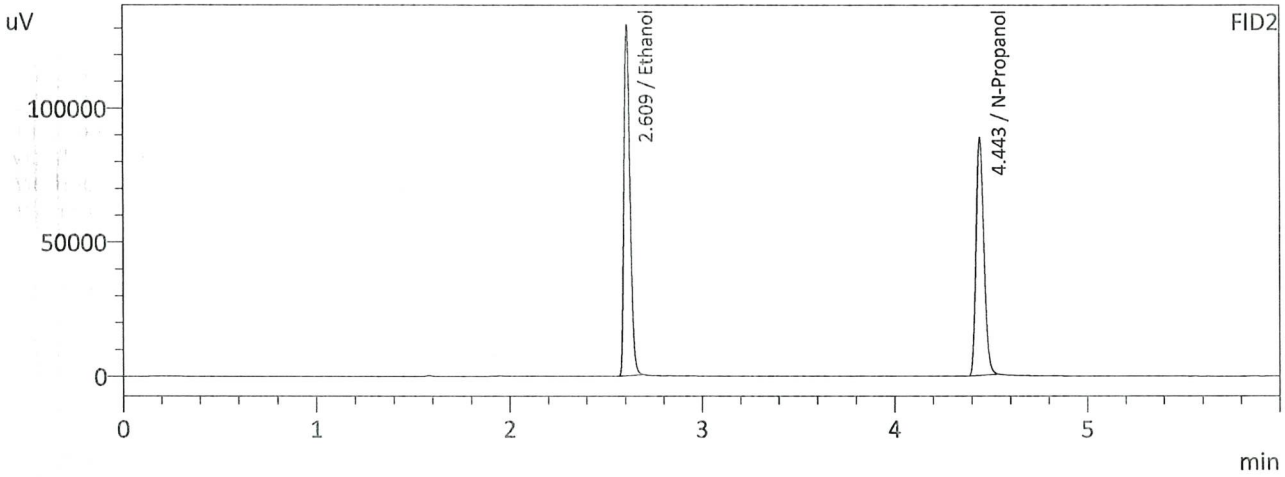
Sample Name : 0.500 FN06262004
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 4:52:45 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5014	272404	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	247860	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5016	283996	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	251826	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA LOT# FN06232204 alysis Date(s): 4/11/2024 5:50:58 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0819	0.0818	0.0001	0.0818	0.0010	0.0823
(g/100cc)	0.0829	0.0828	0.0001	0.0828		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL Long.gcm

Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

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

Reported Results
0.082

Calibration and control data are stored centrally.

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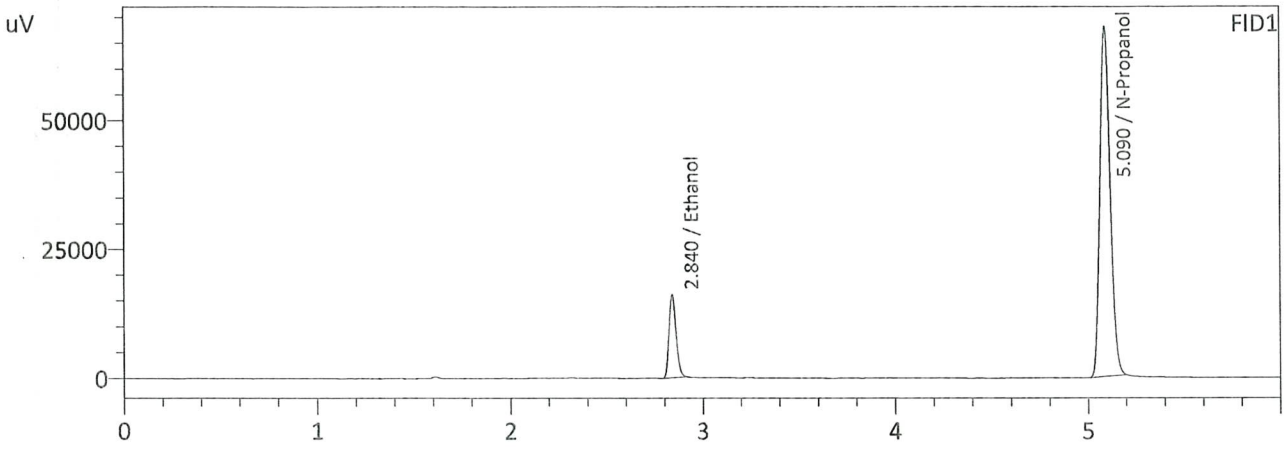
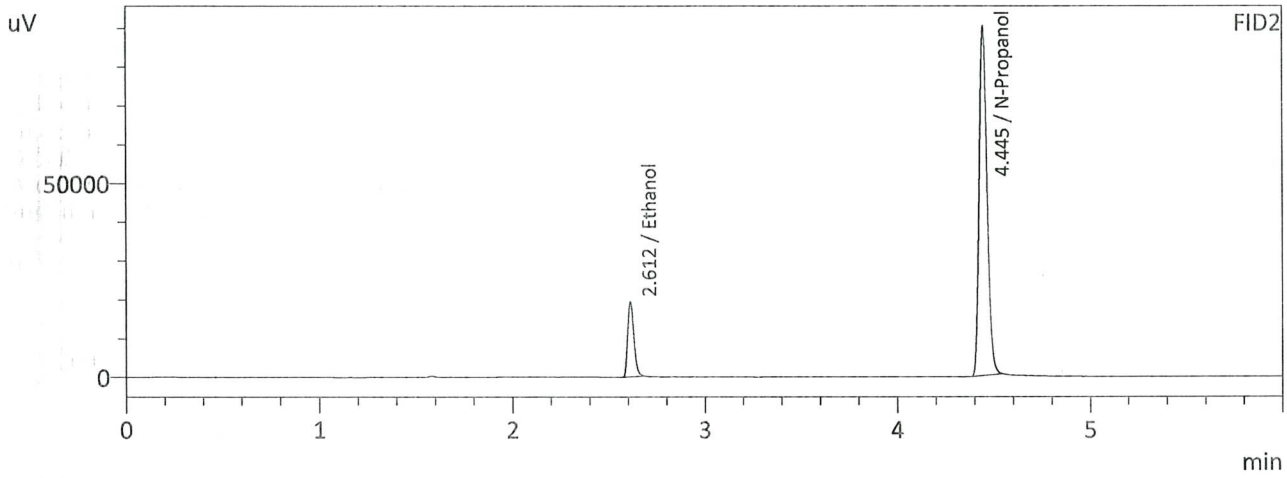
Sample Name : 0.08 QA LOT# FN06232204
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 5:50:58 PM
Vial # : 12
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	41223	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	252502	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	42720	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	256770	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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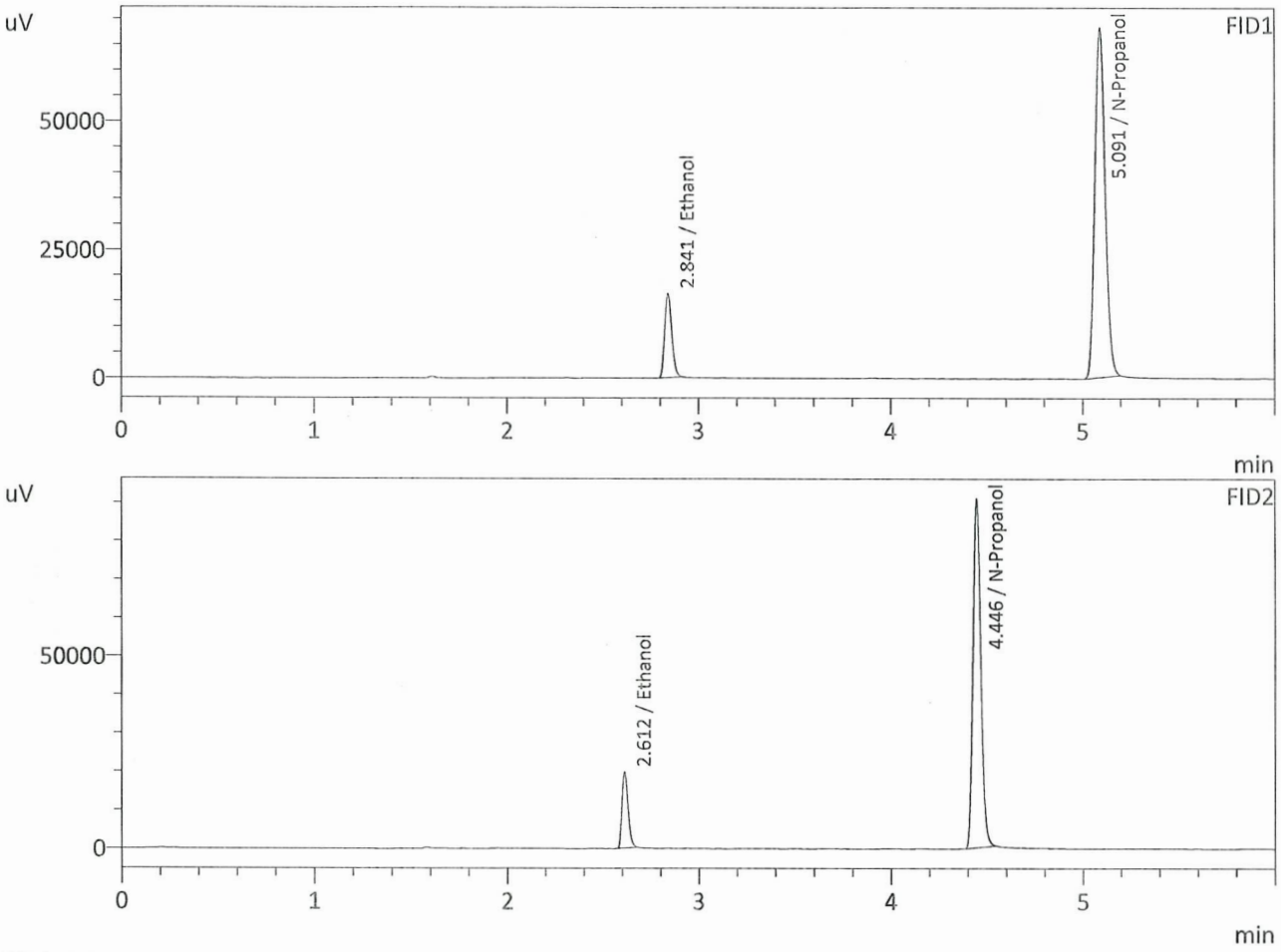
Sample Name : 0.08 QA-B LOT# FN06232204
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 6:01:42 PM
Vial # : 13
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0829	42120	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	254345	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	43623	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	258596	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 4/11/2024 5:31:36 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0794	0.0795	0.0001	0.0794	0.0010	0.0799
(g/100cc)	0.0806	0.0803	0.0003	0.0804		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL Long.gcm

Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

Reported Results
0.079

Calibration and control data are stored centrally.

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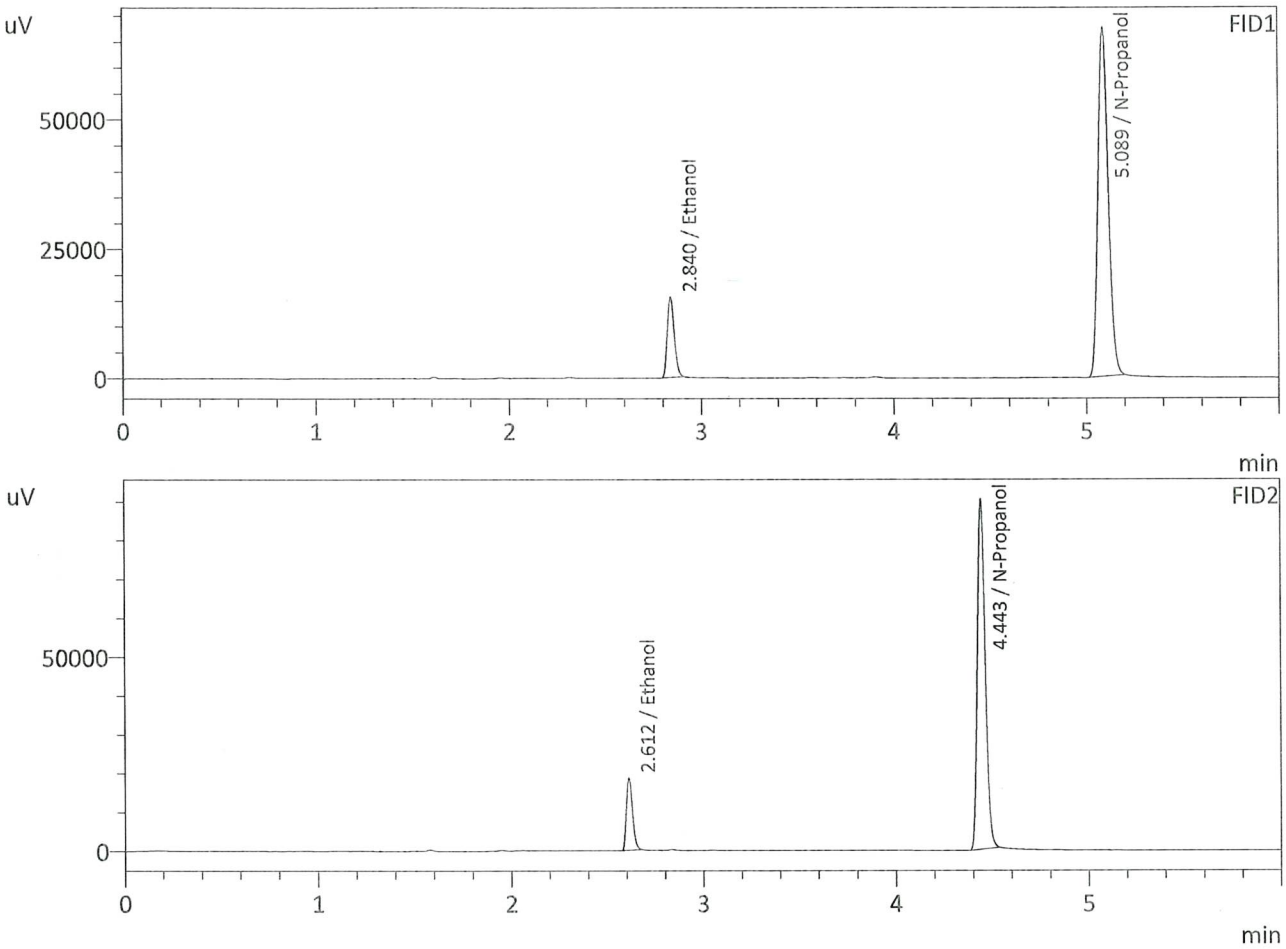
Sample Name : QC-1-1
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 5:31:36 PM
Vial # : 10
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0794	39786	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	252261	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0795	41340	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	256510	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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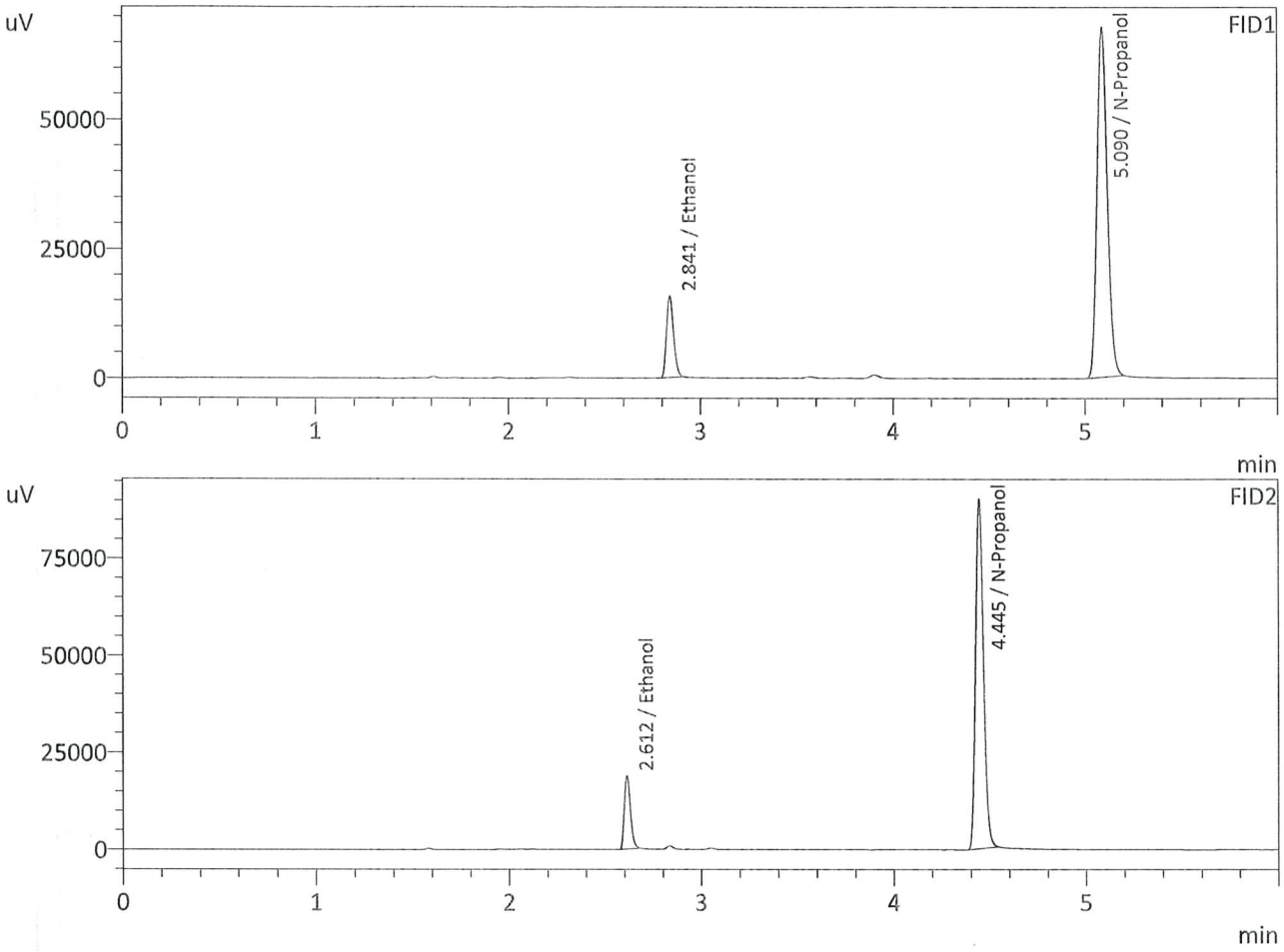
Sample Name : QC-1-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 5:42:18 PM
Vial # : 11
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0806	40507	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	252659	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	41893	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	257247	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 Analysis Date(s): 4/11/2024 9:05:00 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1957	0.1947	0.0010	0.1952	0.0005	0.1954
(g/100cc)	0.1964	0.1950	0.0014	0.1957		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL Long.gcm

Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.195	0.185	0.205	0.010

Reported Results
0.195

Calibration and control data are stored centrally.

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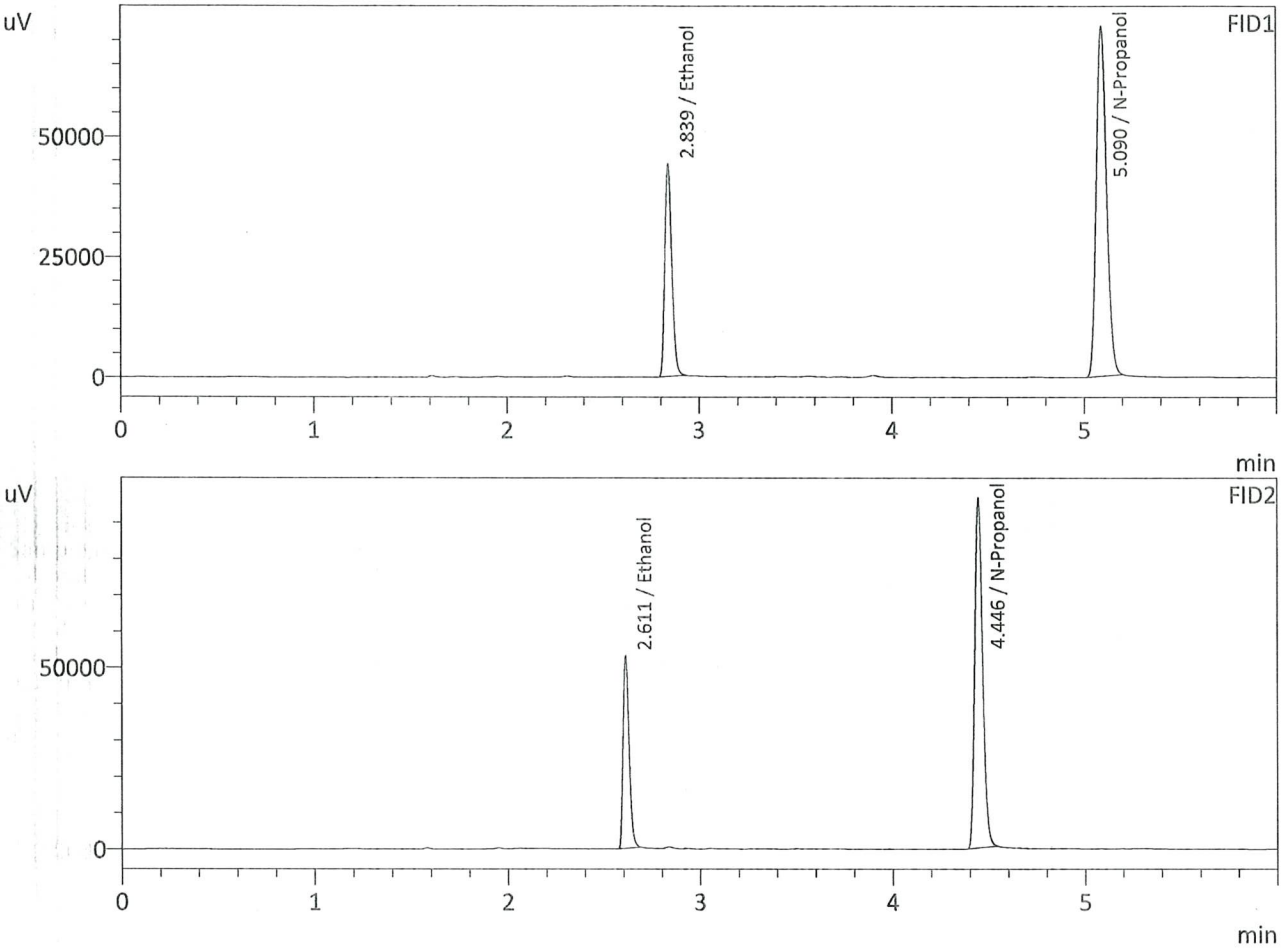
Sample Name : QC-2-1
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 9:05:00 PM
Vial # : 32
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1957	113035	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	270908	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1947	116587	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	274440	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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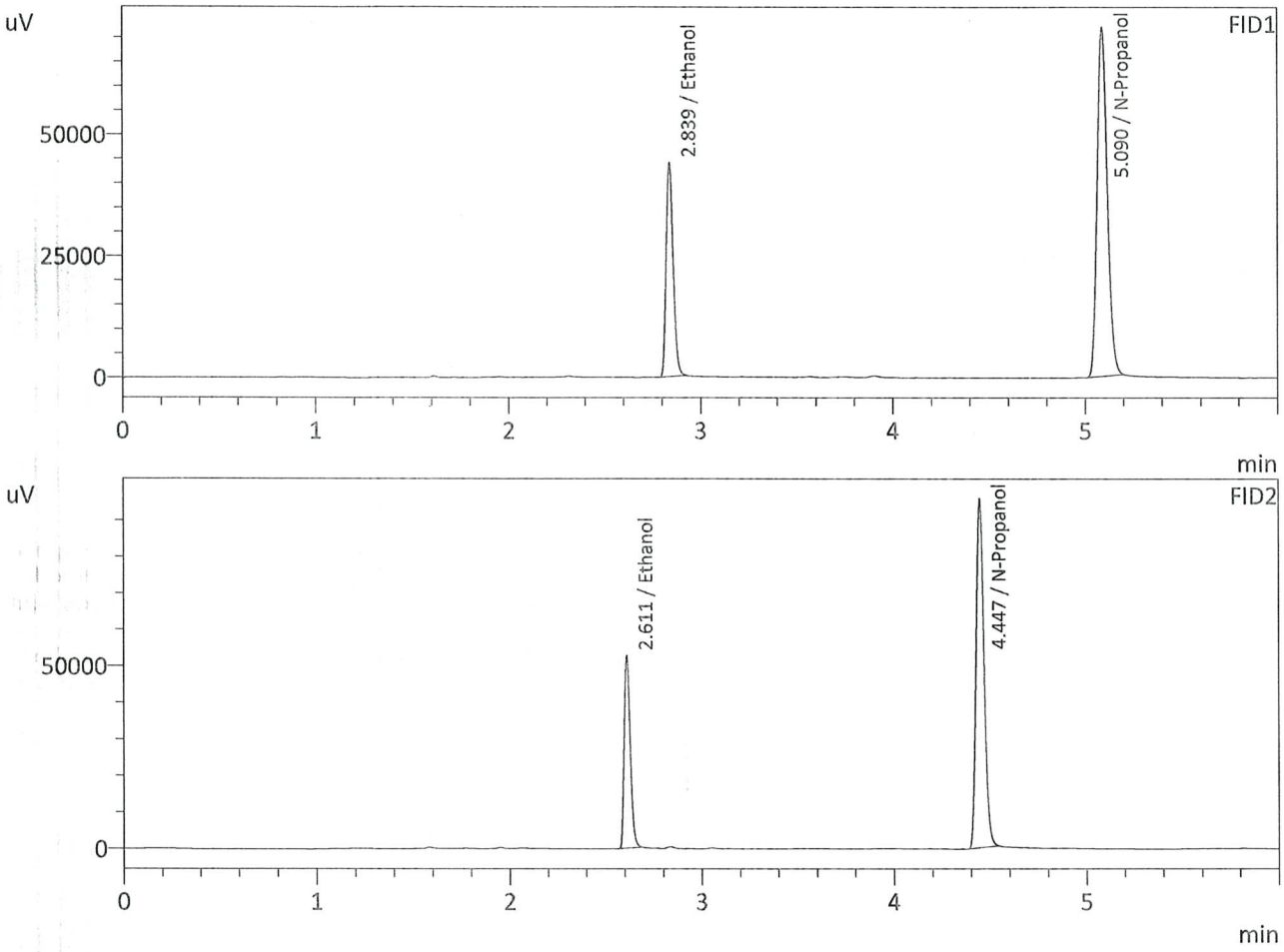
Sample Name : QC-2-1-B
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 9:15:43 PM
Vial # : 33
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1964	112376	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	268355	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1950	115862	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	272204	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 Analysis Date(s): 4/11/2024 10:42:05 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1969	0.1958	0.0011	0.1963	0.0001	0.1962
(g/100cc)	0.1963	0.1961	0.0002	0.1962		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL Long.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.196	0.186	0.206	0.010

Reported Results
0.196

Calibration and control data are stored centrally.

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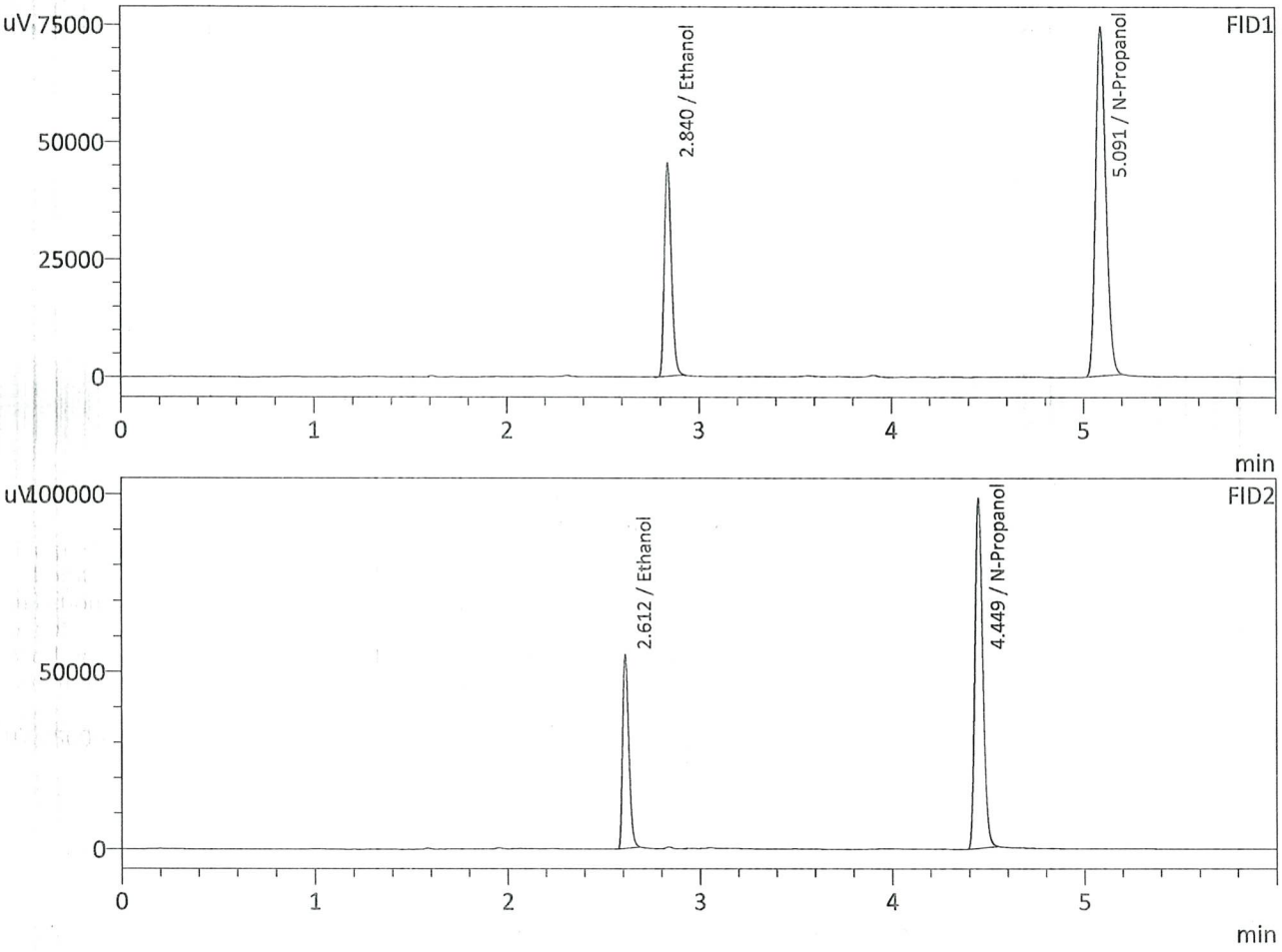
Sample Name : QC-2-2
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 10:42:05 PM
Vial # : 42
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1969	116383	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	277217	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1958	119946	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	280673	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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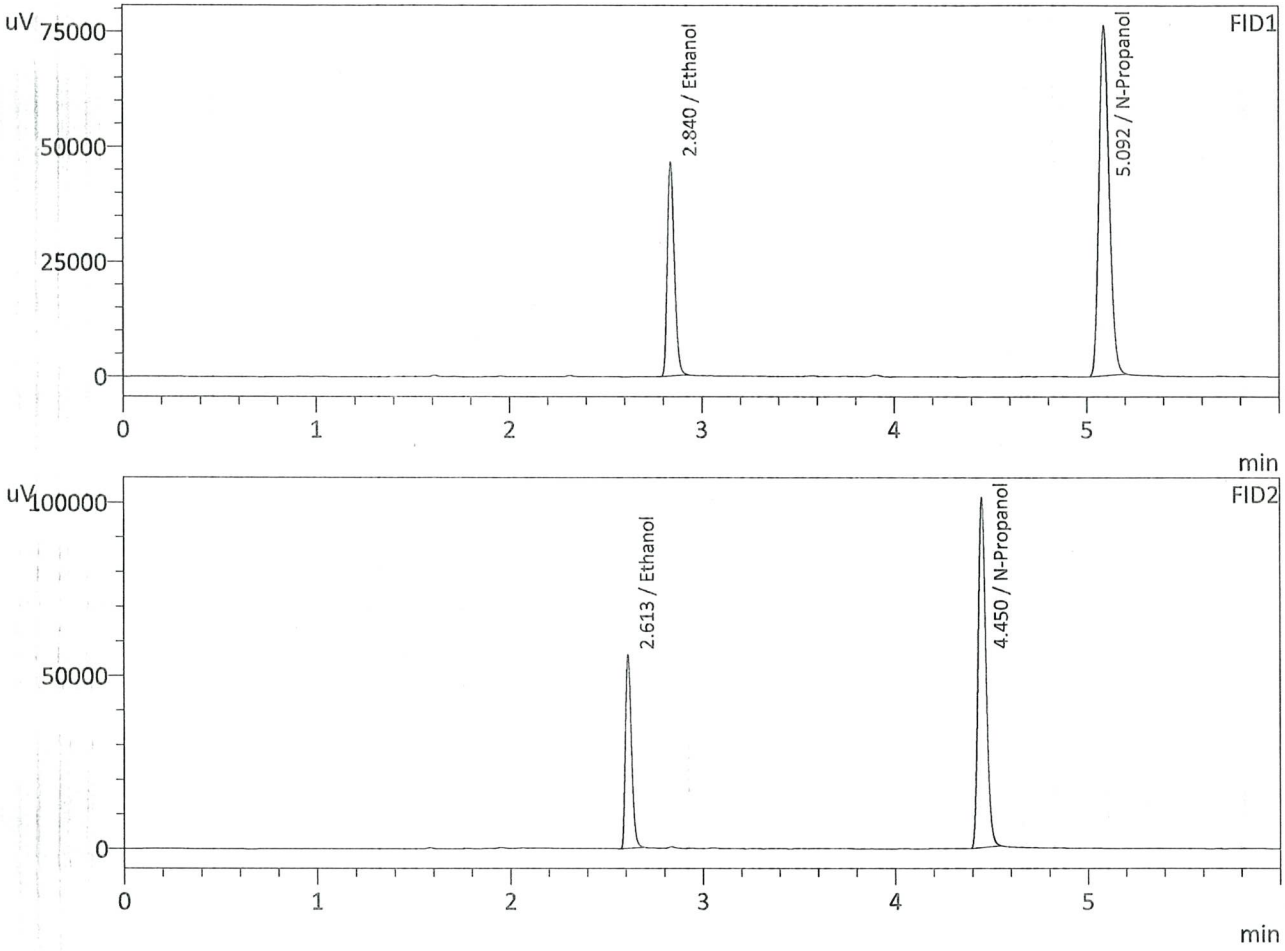
Sample Name : QC-2-2-B
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 10:52:50 PM
Vial # : 43
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1963	118891	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	284032	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1961	123210	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	287833	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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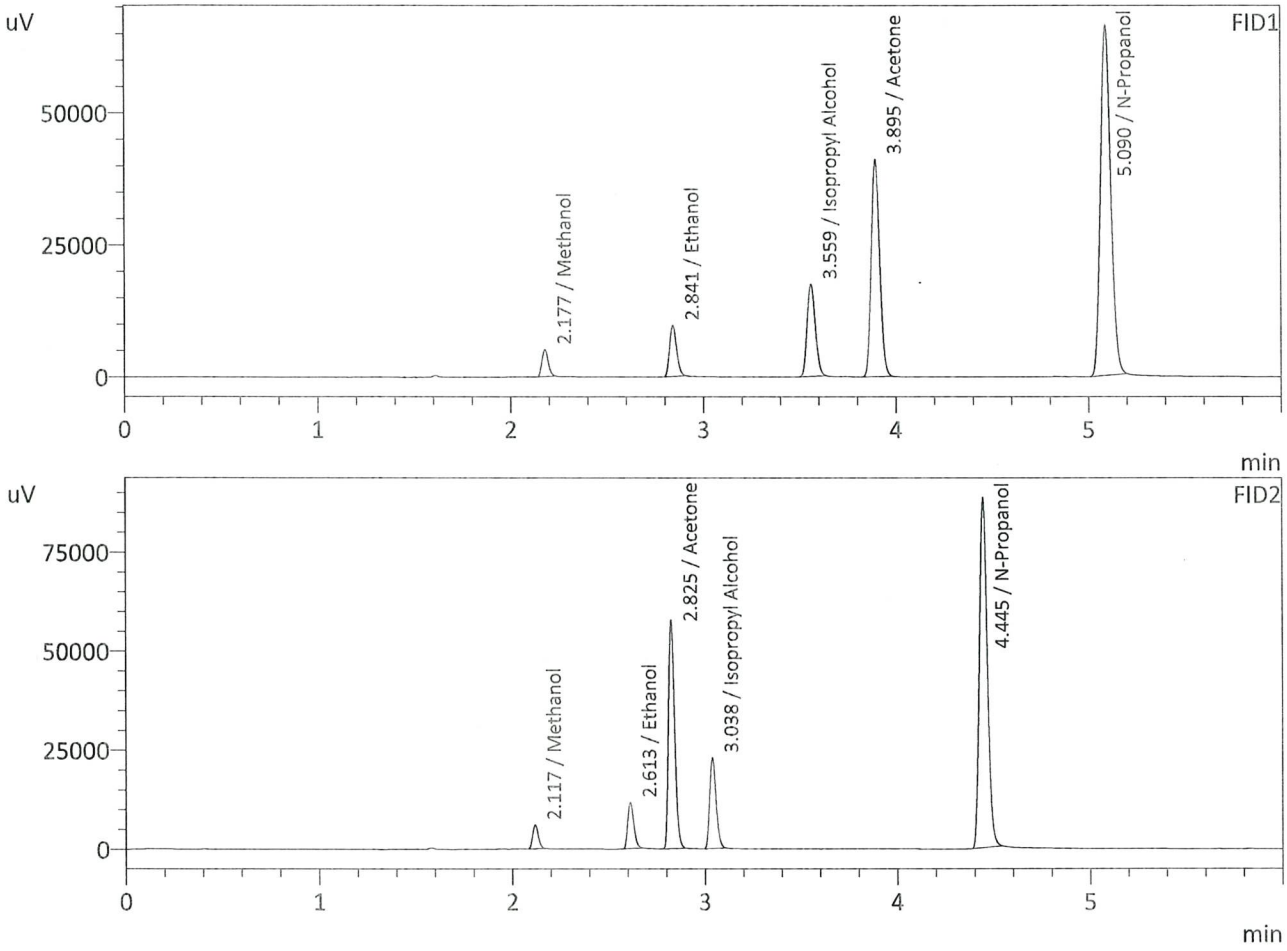
Sample Name : MULTI-COMP MIX LOT# FN01212104
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 5:12:10 PM
Vial # : 8
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	1.0000	11812	g/100cc
Ethanol	0.0535	24816	g/100cc
Isopropyl Alcohol	1.0000	52415	g/100cc
Acetone	1.0000	126118	g/100cc
N-Propanol	0.0000	247764	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	1.0000	12490	g/100cc
Ethanol	0.0537	25672	g/100cc
Acetone	1.0000	128874	g/100cc
Isopropyl Alcohol	1.0000	53739	g/100cc
N-Propanol	0.0000	251735	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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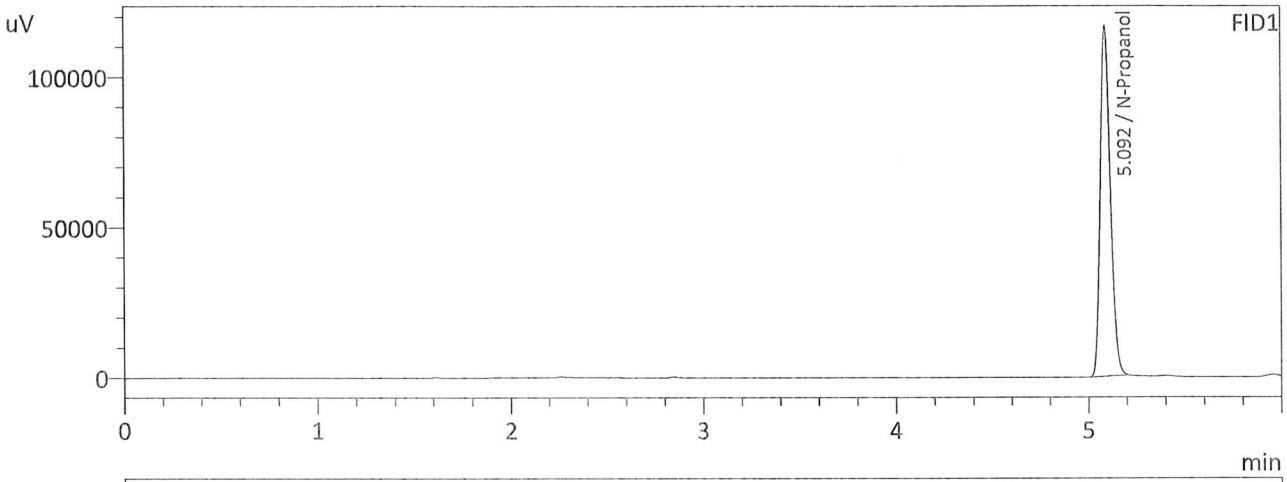
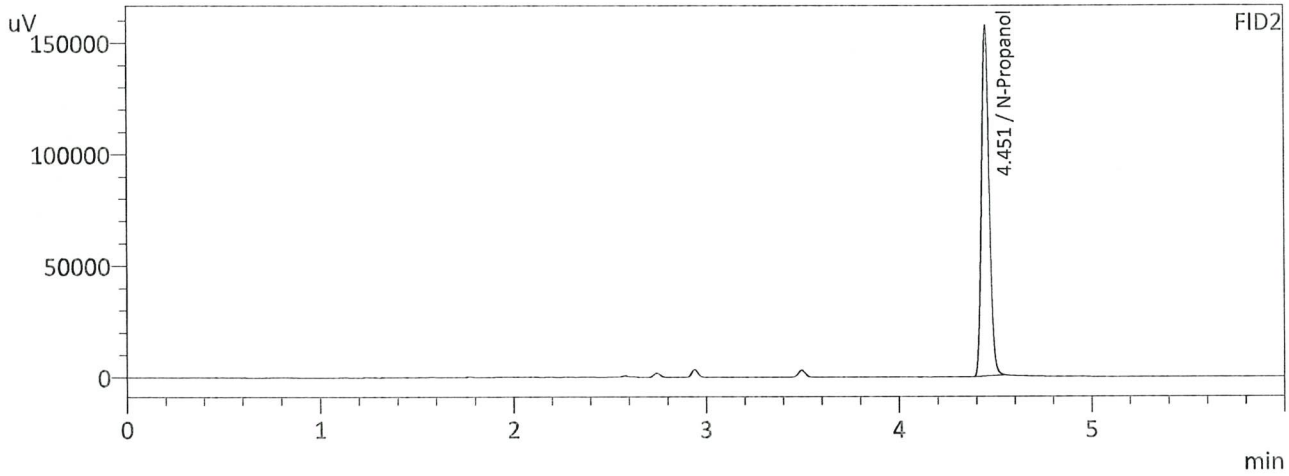
Sample Name : INT STD BLK 1
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 4:05:16 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	433118	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	445254	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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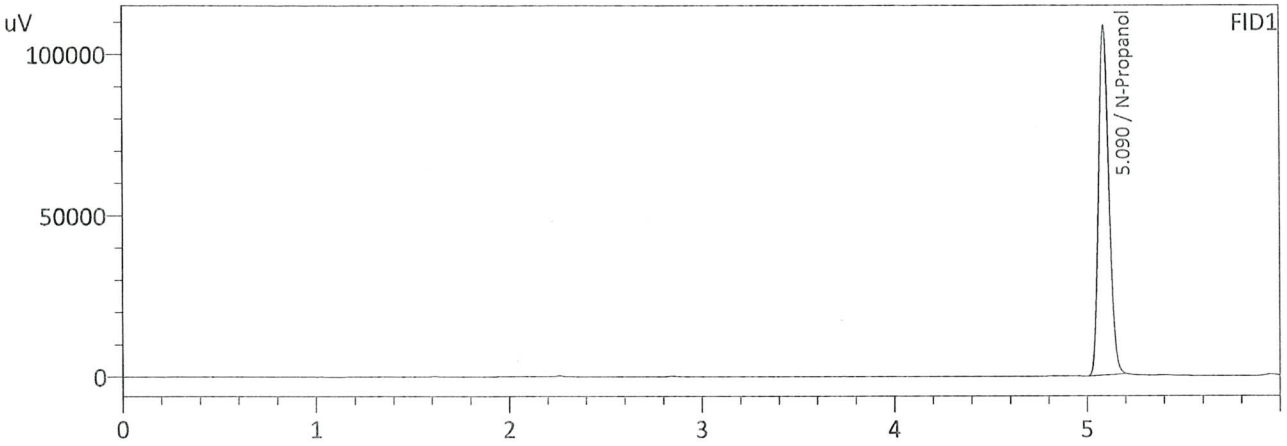
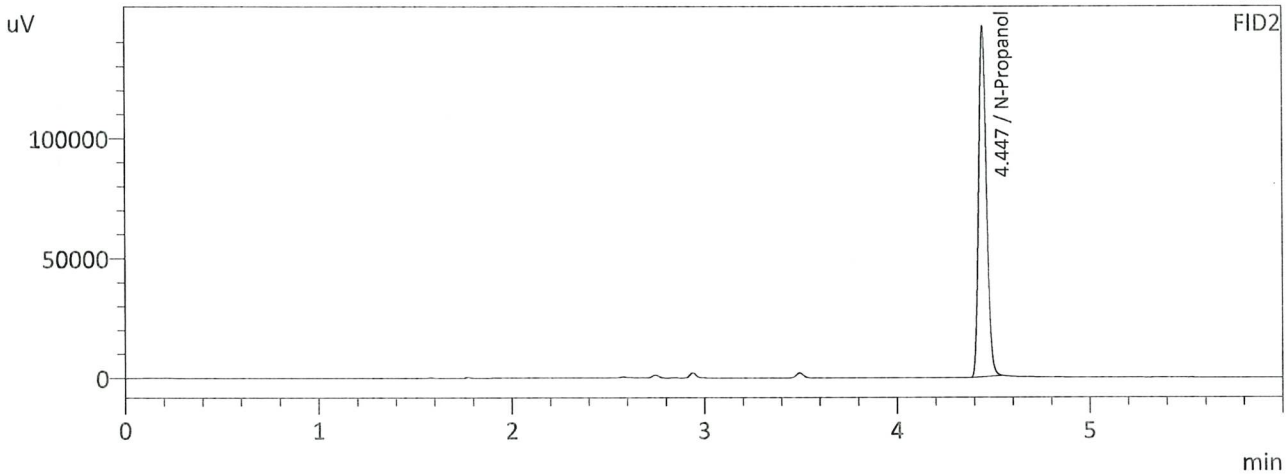
Sample Name : INT STD BLK 2
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 5:03:30 PM
Vial # : 7
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	403275	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	414131	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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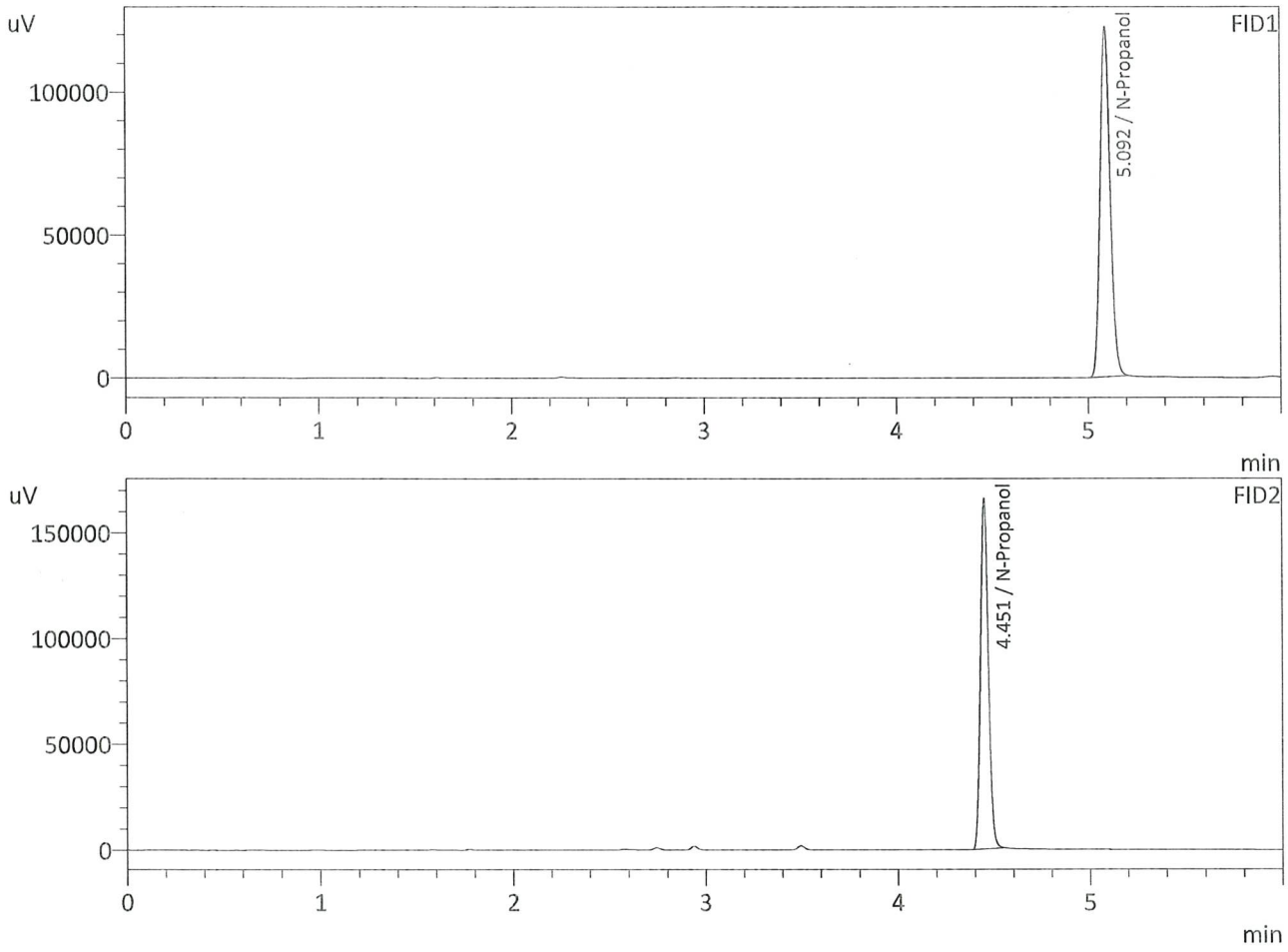
Sample Name : INT STD BLK 3
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 5:22:55 PM
Vial # : 9
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	454011	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	467752	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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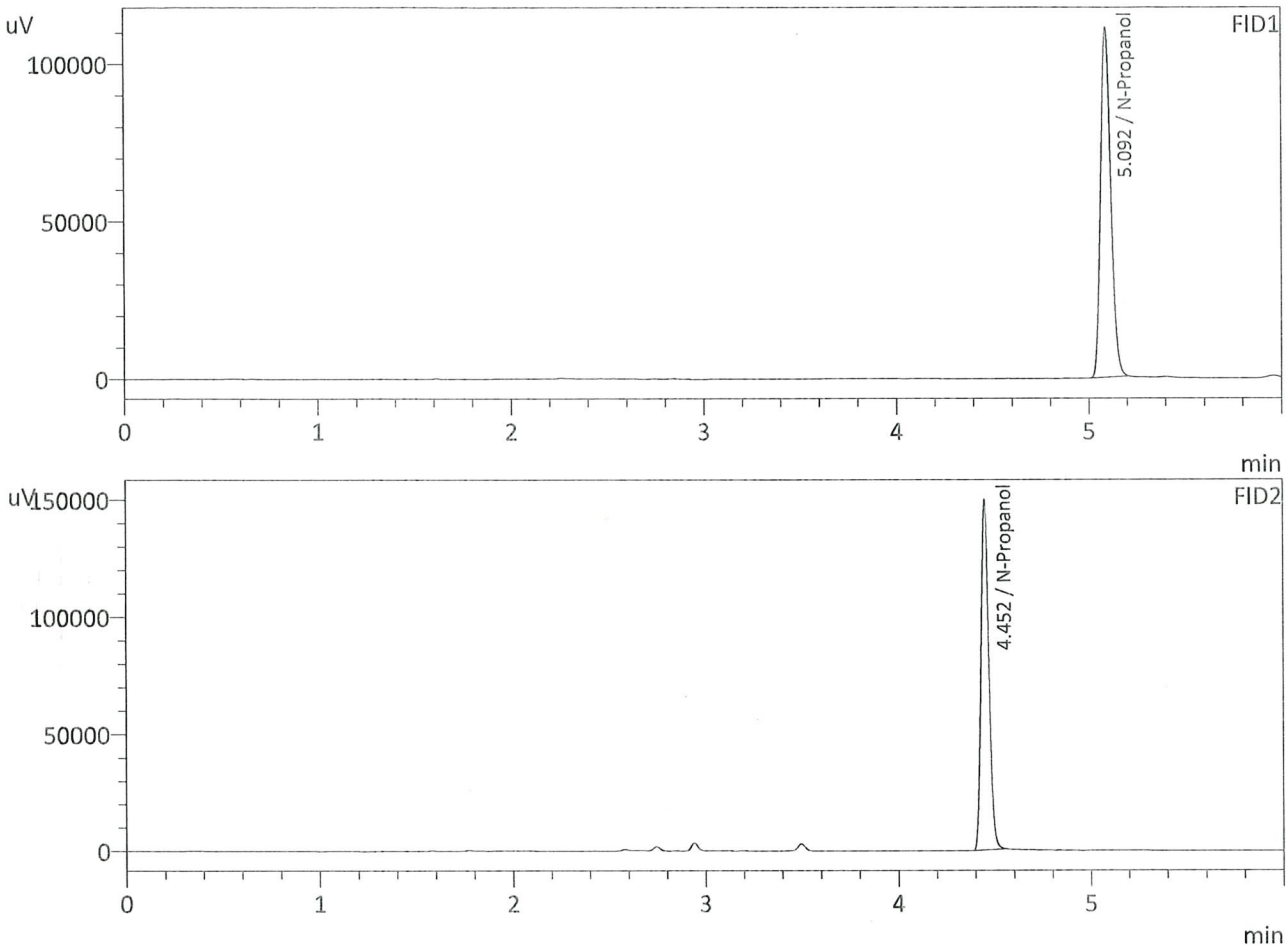
Sample Name : INT STD BLK 4
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 11:01:21 PM
Vial # : 44
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	413859	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

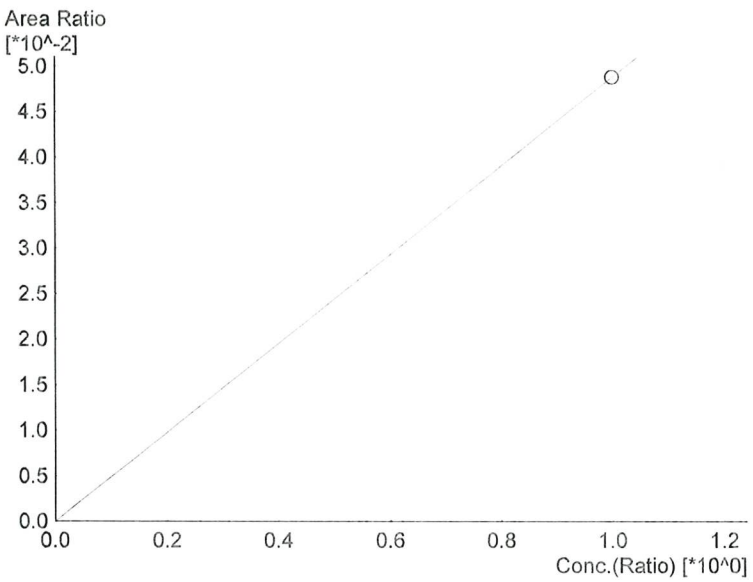
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	423097	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

99

Calibration Table

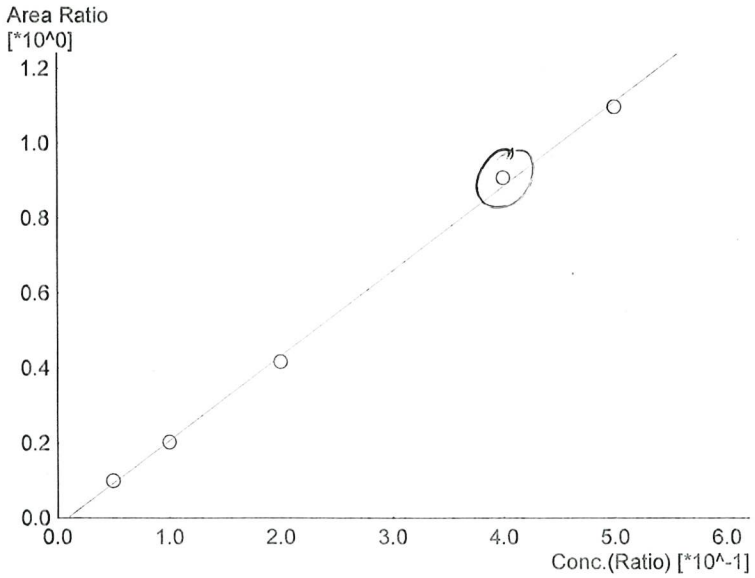
Laboratory : Coeur d' Alene
Instrument Name : BML8F33-Instrument1
Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
Method File :Default Project - ALCOHOL Long.gcm
Batch File :Default Project - 4-11-24.gcb
Date Acquired :4/11/2024 4:52:45 PM
Date Created :4/11/2024 4:50:09 PM
Date Modified :4/11/2024 4:58:46 PM



Name : Methanol
Detector Name: FID1
Function : f(x)=0.0487924*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	11855	1.0000



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.26667*x-0.0212951
R^2 value= 0.9987099
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	23670	0.0531
2	0.100	48656	0.0987
3	0.200	100456	0.1934
4	0.400	290285	0.4103
5	0.500	272404	0.4942

Cal point #4 was removed. Calibrator was tipped over during handling prior to run, included in initial run to see what impact would be. Results were skewed by mishandling of 0.400 calibrator vial, so that level was removed to meet the R^2 requirements.

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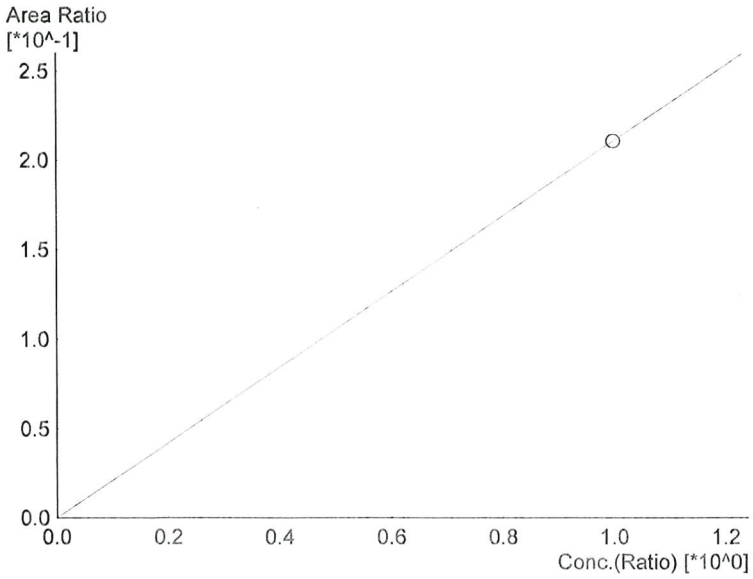
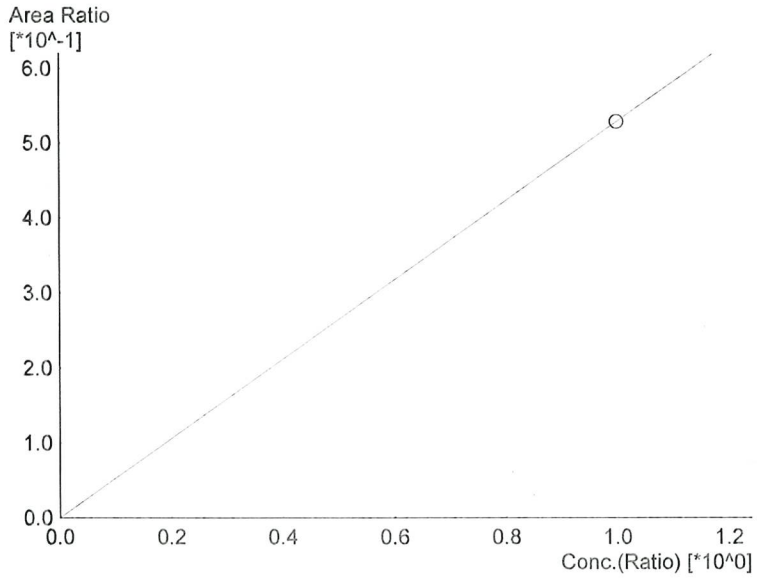


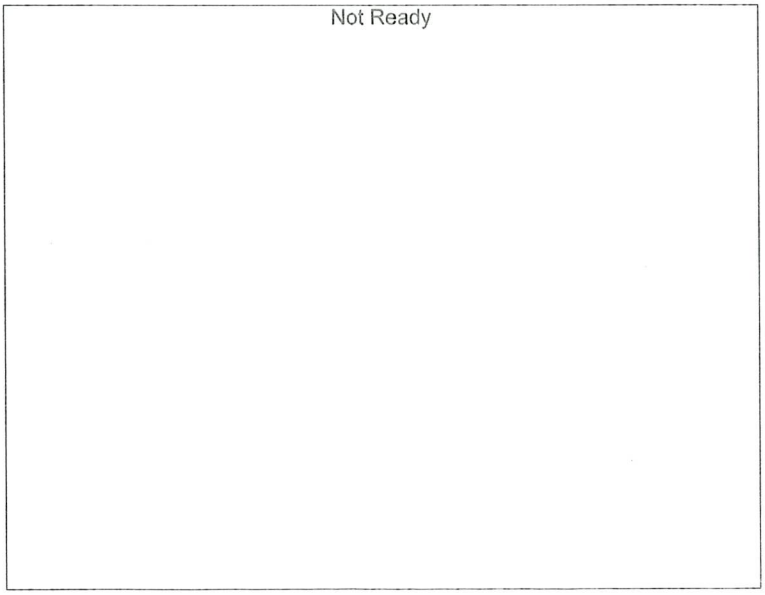
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0.210769*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	51212	1.0000



Name : Acetone
Detector Name: FID1
Function : f(x)=0.528585*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

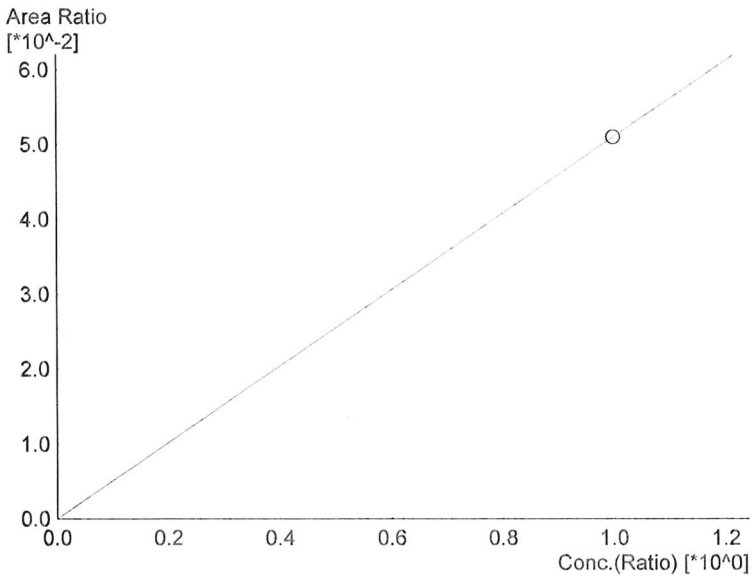
#	Conc.	Area	Std. Conc.
6	1.000	128433	1.0000



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

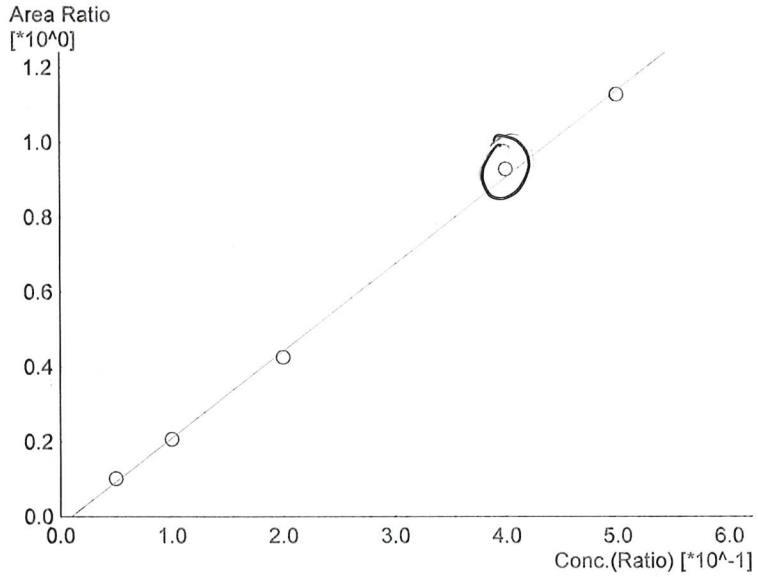
#	Conc.	Area	Std. Conc.

99



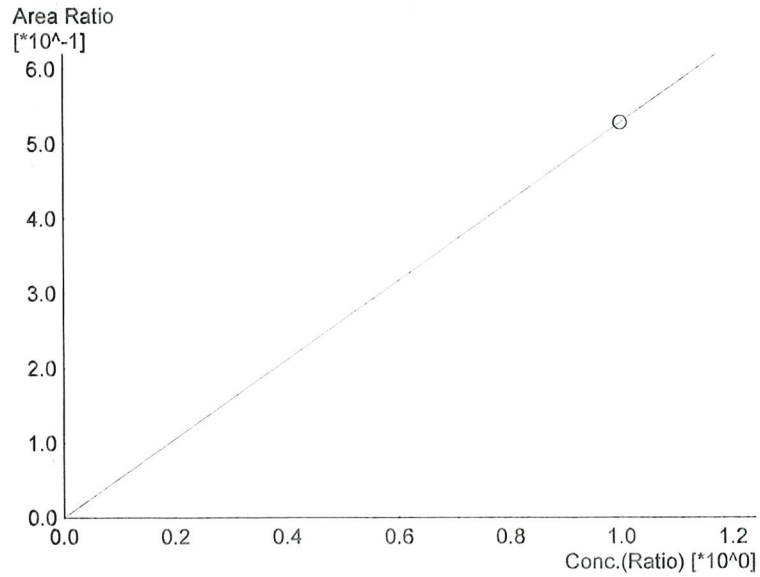
Name : Methanol
Detector Name: FID2
Function : f(x)=0.0509669*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	12605	1.0000



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.32308*x-0.0227739
R^2 value= 0.9988651
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	24680	0.0536
2	0.100	50424	0.0987
3	0.200	104129	0.1930
4	0.400	303573	0.4092
5	0.500	283996	0.4952



Name : Acetone
Detector Name: FID2
Function : f(x)=0.528890*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	130804	1.0000

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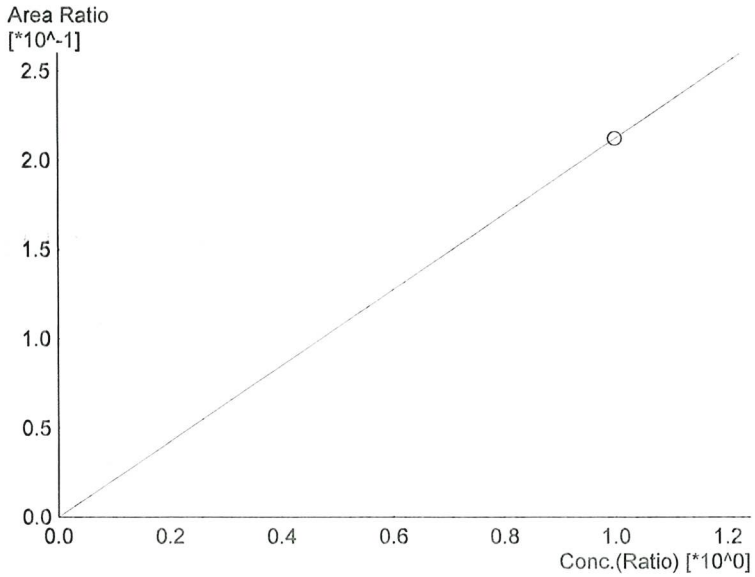
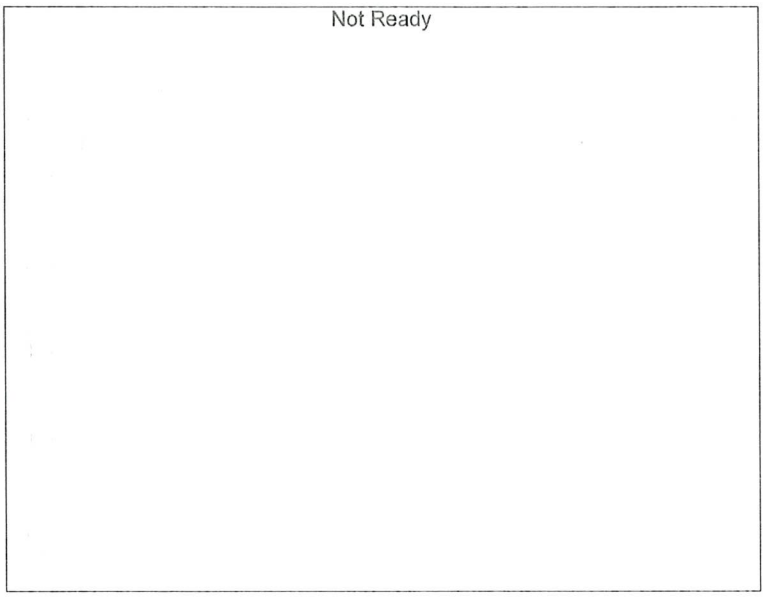


Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0.212299*x+0
R^2 value= 1.000000
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
6	1.000	52505	1.0000

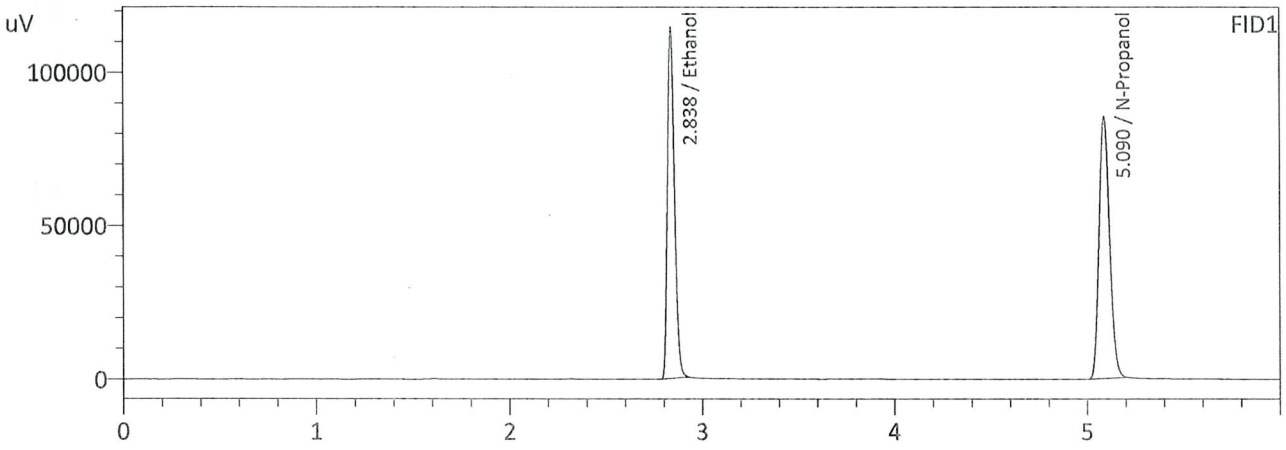


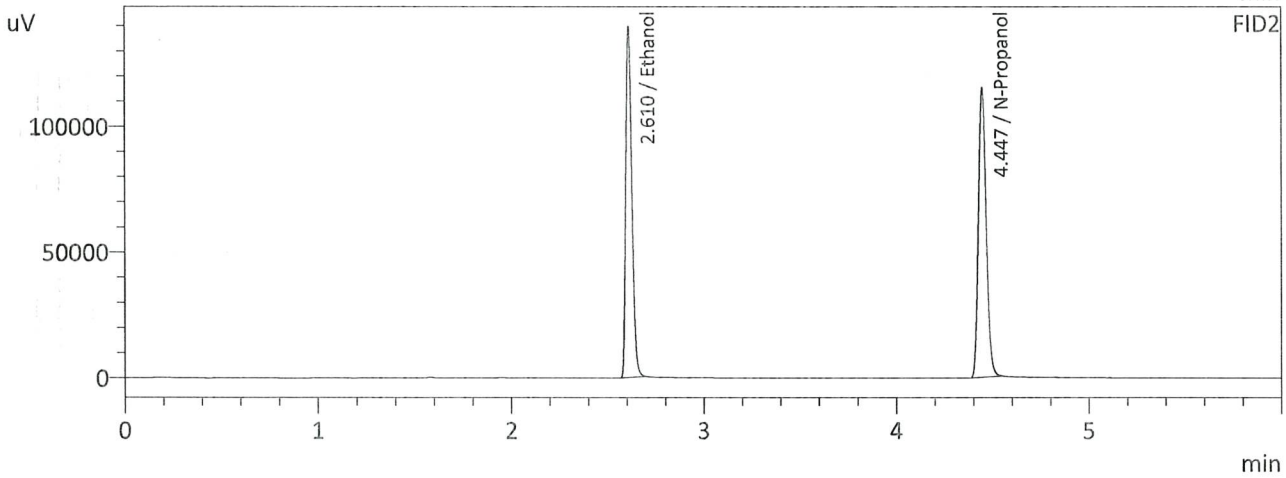
Name : Fluor. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

99

Sample Name : 0.400 FN03052102
Laboratory : Coeur d' Alene Lab
Injection Date : 4/11/2024 4:44:05 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL Long.gcm
Instrument #GC/HS : C12255850700 / C12595700181





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4103	290285	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	319405	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4092	303573	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	327155	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc