Worklist: 6556

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
P2023-3369	1	BCK	Alcohol Analysis	
P2023-3380	1	BCK	Alcohol Analysis	
P2023-3392	1	BCK	Alcohol Analysis	
P2023-3393	1	BCK	Alcohol Analysis	
P2023-3405	1	AALIQ	Alcohol Analysis	
P2023-3412	1	BCK	Alcohol Analysis	
P2023-3414	1	BCK	Alcohol Analysis	
P2023-3418	1	BCK	Alcohol Analysis	
P2023-3421	1	BCK	Alcohol Analysis	
P2023-3424	1	BCK	Alcohol Analysis	
P2023-3431	1	BCK	Alcohol Analysis	
P2023-3432	1	BCK	Alcohol Analysis	
P2023-3433	1	BCK	Alcohol Analysis	
P2023-3446	1	BLOOD	Alcohol Analysis	
P2023-3447	1	BCK	Alcohol Analysis	
P2023-3448	1	BLOOD	Alcohol Analysis	
P2023-3449	1	BCK	Alcohol Analysis	
P2023-3450	1	BCK	Alcohol Analysis	
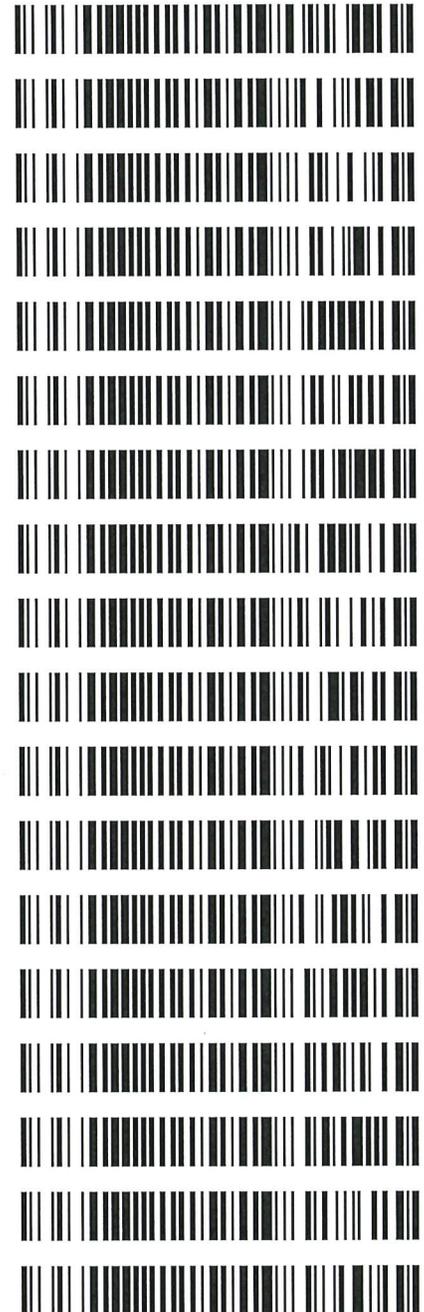
REVIEWED
By Galina Giso at 10:13 am, Nov 15, 2023

Reviewed notation correction to the sequence print out. 11/15/23 gg

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: **ML600GB9897**

Volatiles Quality Assurance Controls

Run Date(s): 11/09/2023

Calibration Date: *(if different) :*

Worklist #: 6556

Control level

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results		
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0827	g/100cc	
					0.0905	g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2119	g/100cc	
					0.1827	g/100cc	

Multi-Component mixture:	Exp:	2024 October	Lot #	FN0641902 OK	
Curve Fit:		Column 1	0.99998	Column2	0.99992

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0505	0.0517	0.0012	0.0511
100	0.100	0.090 - 0.110	0.1001	0.0997	0.0004	0.0999
200	0.200	0.180 - 0.220	0.1988	0.1976	0.0012	0.1982
300	0.300	0.270 - 0.330				#DIV/0!
400	0.400	0.360 - 0.440		0	0	#DIV/0!
500	0.500	0.450 - 0.550	0.5003	0.5008	0.0005	0.5005

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results	
80	0.080	0.076 - 0.084	0.081	g/100cc

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

REVIEWED
By Galina Giso at 7:51 am, Nov 13, 2023

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Internal Standard Monitoring Worksheet

Worklist #:	6556	Run Date(s):	11/09/2023

Internal Standard Solution:	Prep Date:	11/9/2023	Exp Date:	5/9/2024

Sample Name	Column 1 Value	Column 2 Value
0.080	176620	177869
0.080	176982	177983
QC1	179132	180217
QC1	178834	180397
QC1	178874	179646
QC1	179079	179432
QC1		
QC1		
QC2	174845	175718
QC2	175026	175902
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	177424.0	141939.2	212908.8
Column 2	178395.5	142716.4	214074.6

===
Calibration Table
===

Laboratory: Pocatello
Instrument Name   : G1KG333-Instrument1

<<Data File>>
Method File   :Default Project - ALCOHOL_110923_RC.gcm
Batch File   :Default Project - BATCH_110923_RC.gcb
Date Acquired   :11/9/2023 5:42:23 PM
Date Created   :11/9/2023 5:38:54 PM
Date Modified   :11/10/2023 9:13:11 AM
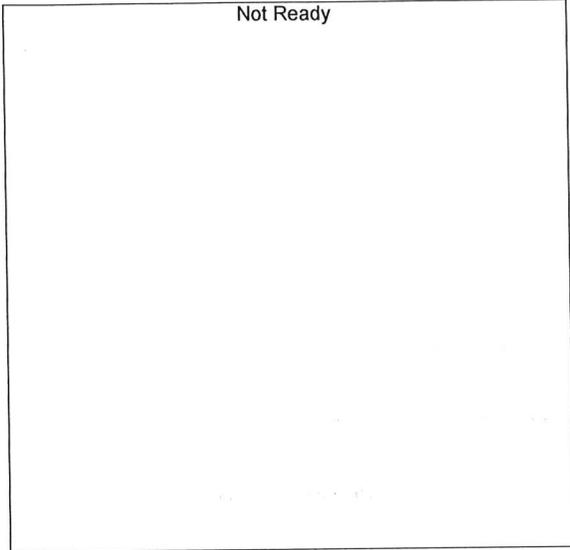
Not Ready

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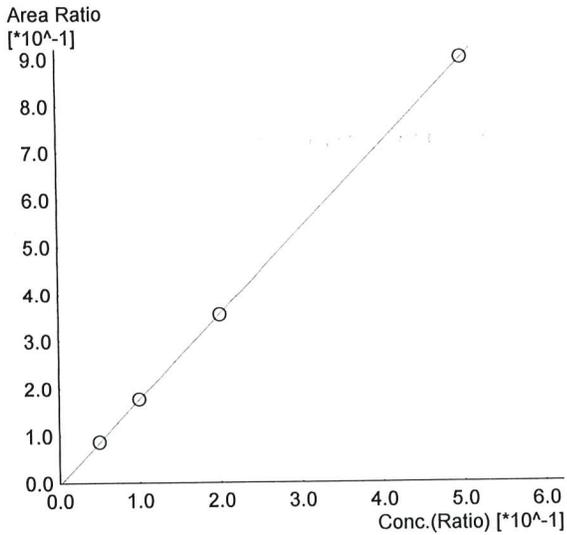R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

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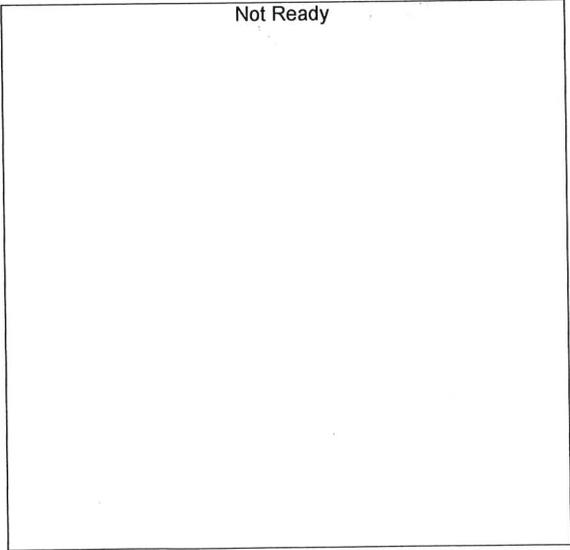
Name : ACETALDEHYDE
Detector Name: FID1
Function : f(x)=0*x+0
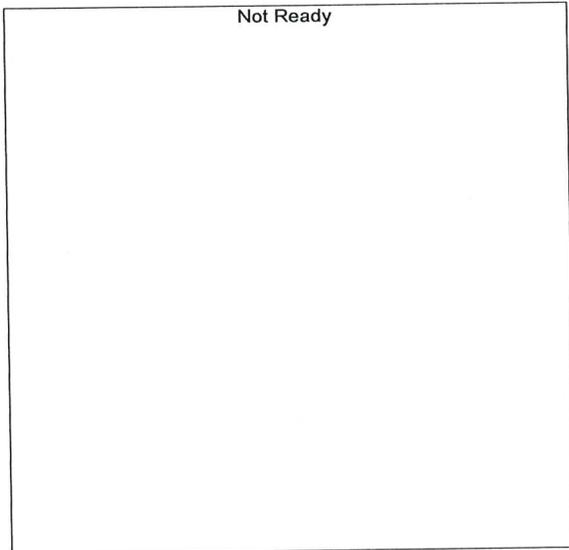R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

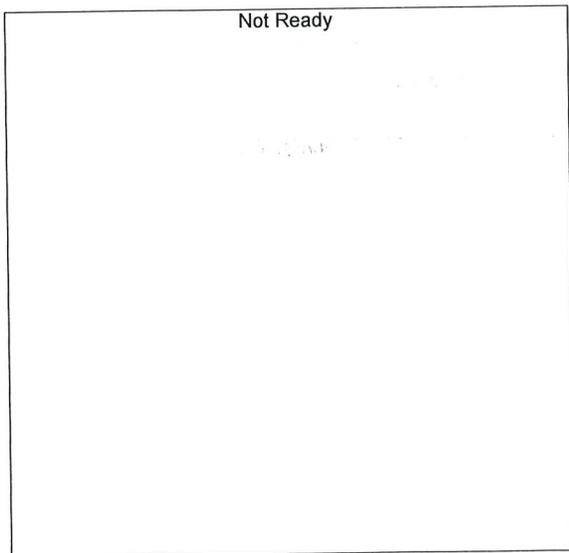| #	Conc.	Area	Std. Conc.	Data File Name

ETHANOL

Name : ETHANOL
Detector Name: FID1
Function : f(x)=1.80565*x-0.00451253
R^2 value= 0.9999860 ✓
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15175	0.0505	0.050_1192023_001.gcd
2	0.100	31224	0.1001	0.100_1192023_002.gcd
3	0.200	63543	0.1988	0.200_1192023_003.gcd
5	0.500	162115	0.5003	0.500_1192023_005.gcd

Not Ready

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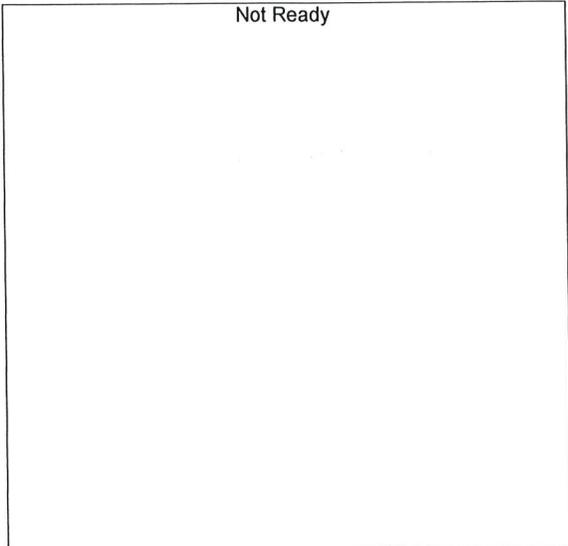FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

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.	Data File Name

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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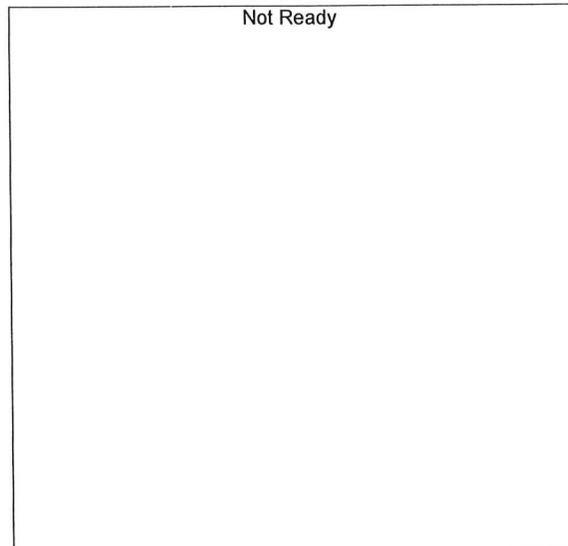ZeroThrough: Not Through

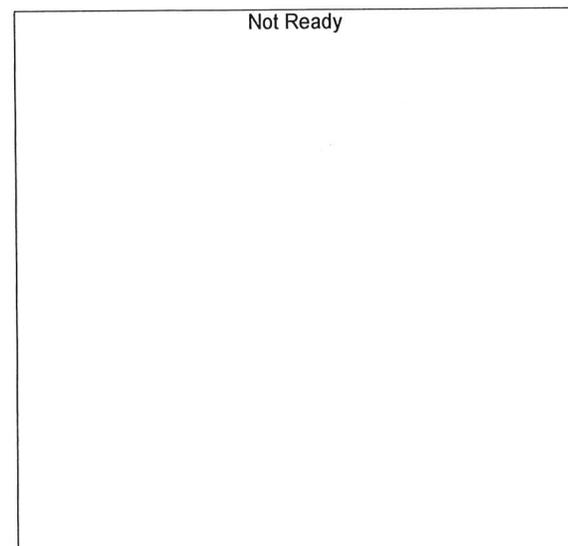| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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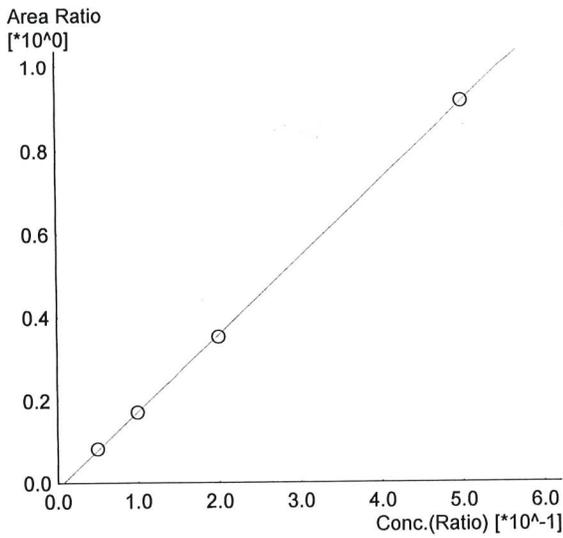FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Area Ratio
[*10^0]

Conc.(Ratio) [*10^-1]

Name : ETHANOL
Detector Name: FID2
Function : f(x)=1.85488*x-0.0134649
R^2 value= 0.9999229
FitType: Linear
ZeroThrough: Not Through

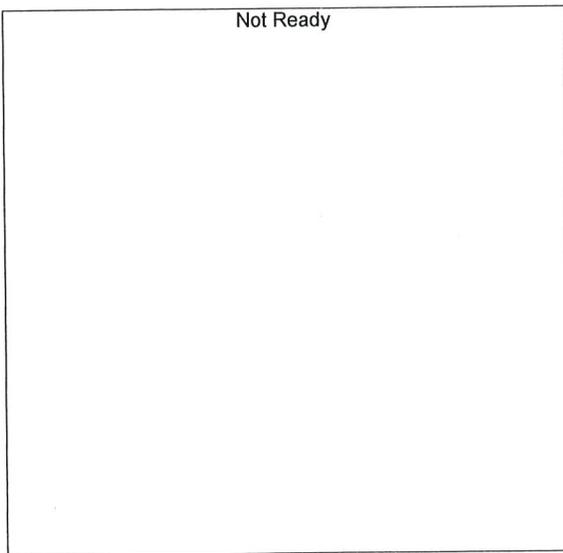| #	Conc.	Area	Std. Conc.	Data File Name
1	0.050	14398	0.0517	0.050_1192023_001.gcd
2	0.100	30336	0.0997	0.100_1192023_002.gcd
3	0.200	63248	0.1976	0.200_1192023_003.gcd
5	0.500	165008	0.5008	0.500_1192023_005.gcd

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

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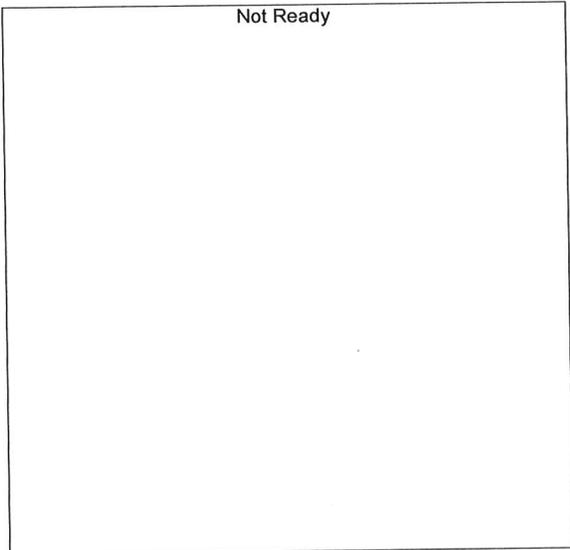
Name : TFE
Detector Name: FID2
Function : f(x)=0*x+0
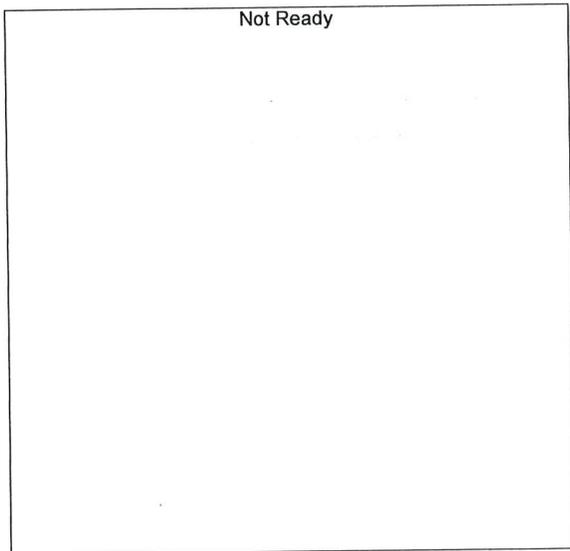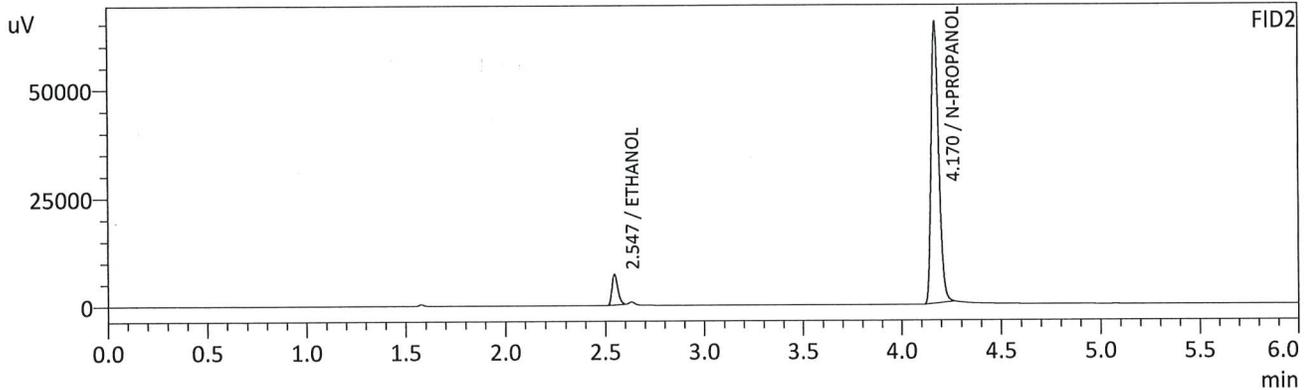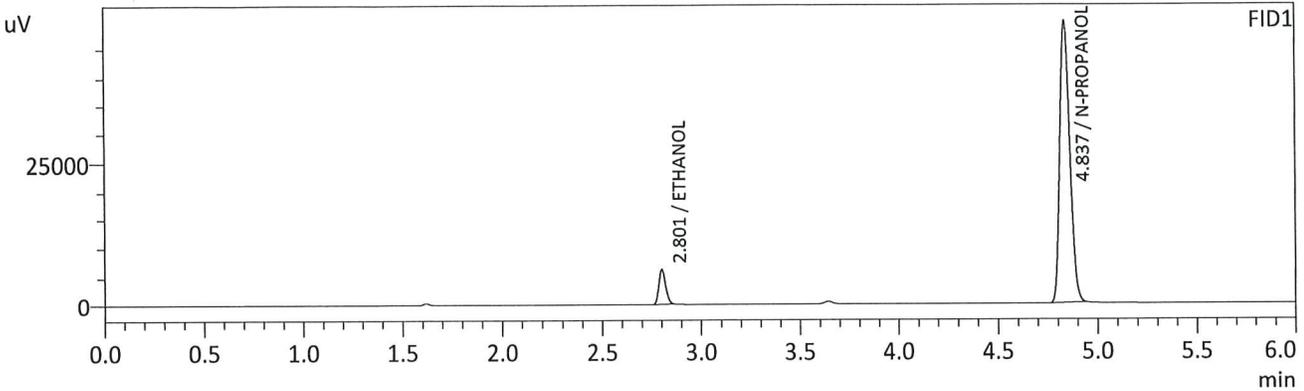R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Sample Name   : 0.050
Vial #   : 1
Data Filename   : 0.050_1192023_001.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 5:04:15 PM
Date Processed   : 11/10/2023 9:12:57 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0505	g/100cc	15175	6410
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174761	49580
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0517	g/100cc	14398	7078
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174317	64953
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.100
Vial #   : 2
Data Filename   : 0.100_1192023_002.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 5:13:45 PM
Date Processed   : 11/10/2023 9:13:01 AM
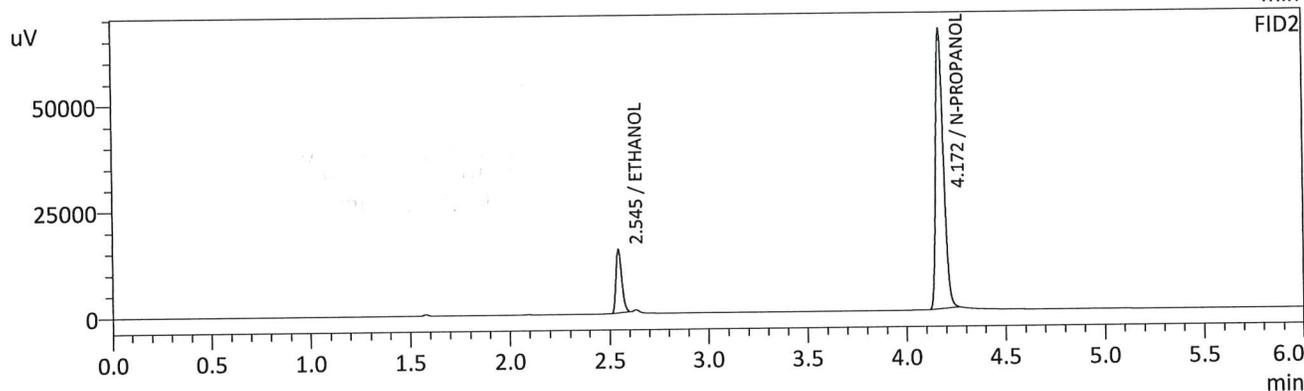Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm
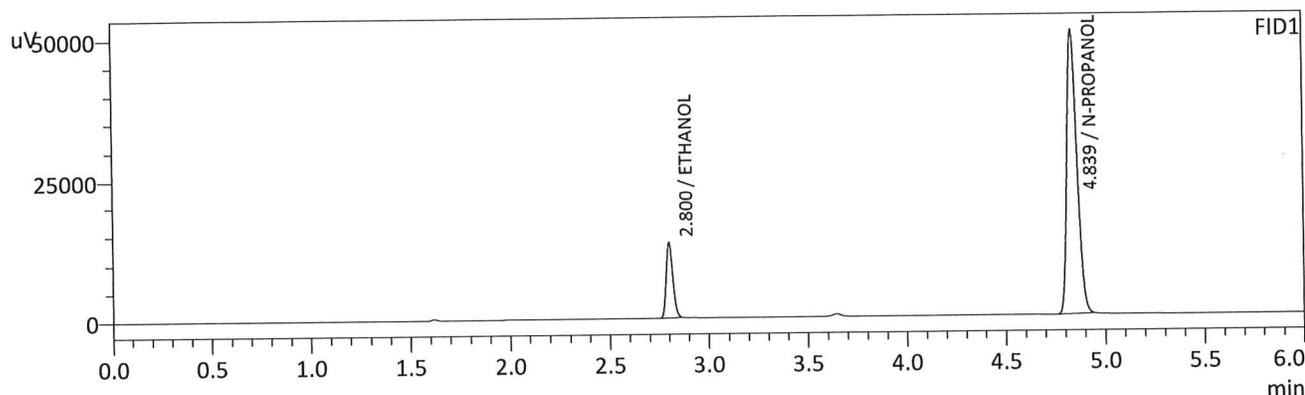
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	31224	13151
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177056	50261
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0997	g/100cc	30336	14973
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176843	65498
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.200
Vial #   : 3
Data Filename   : 0.200_1192023_003.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 5:23:06 PM
Date Processed   : 11/10/2023 9:13:04 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm
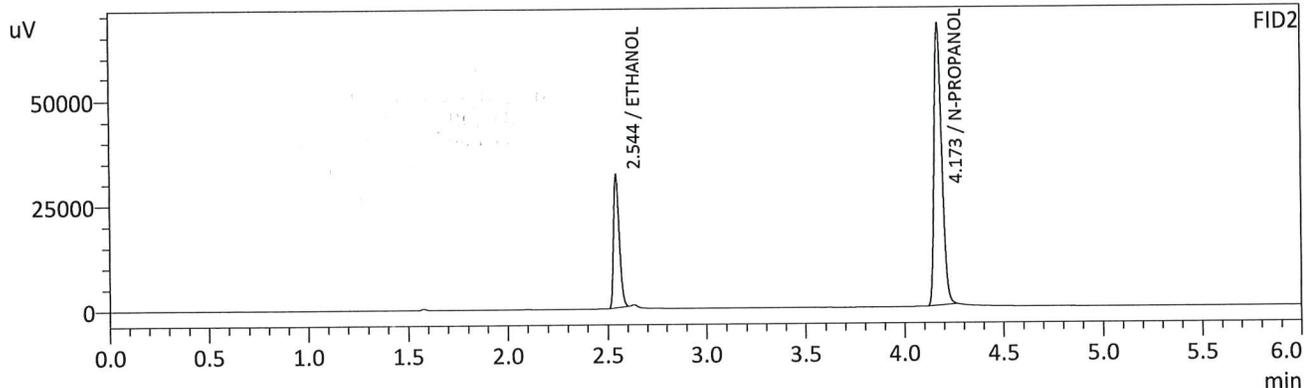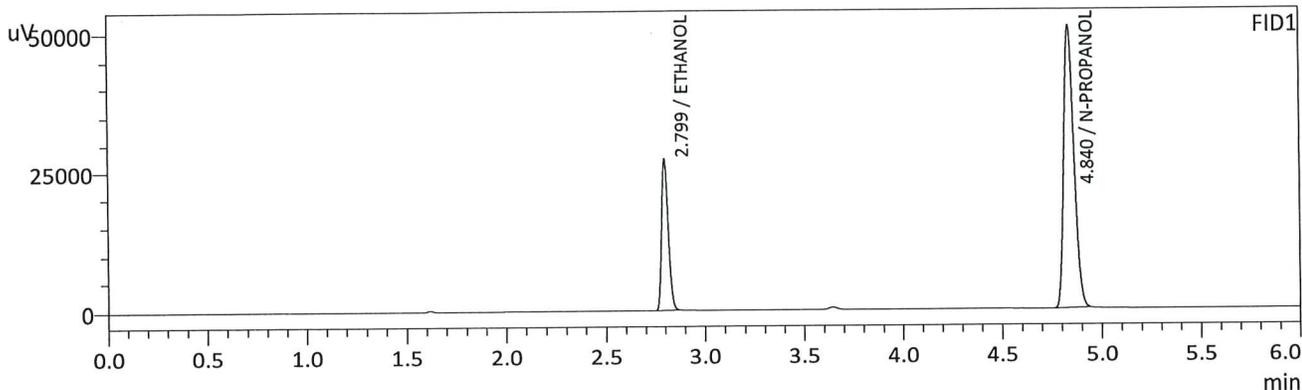

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1988	g/100cc	63543	27049
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179183	50484
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1976	g/100cc	63248	31222
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179085	66643
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.300
Vial #   : 4
Data Filename   : 0.300_1192023_004.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 5:32:50 PM
Date Processed   : 11/10/2023 9:13:07 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm

Cap not on tight. Not included in curve. RC

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	--	g/100cc	--	--
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	--	g/100cc	--	--
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.500
Vial #   : 5
Data Filename   : 0.500_1192023_005.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 5:42:23 PM
Date Processed   : 11/10/2023 9:13:11 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm
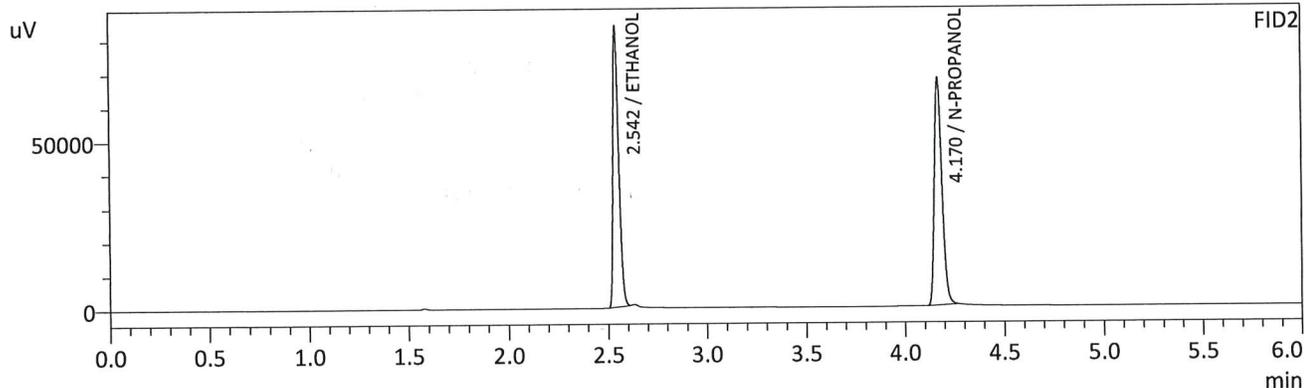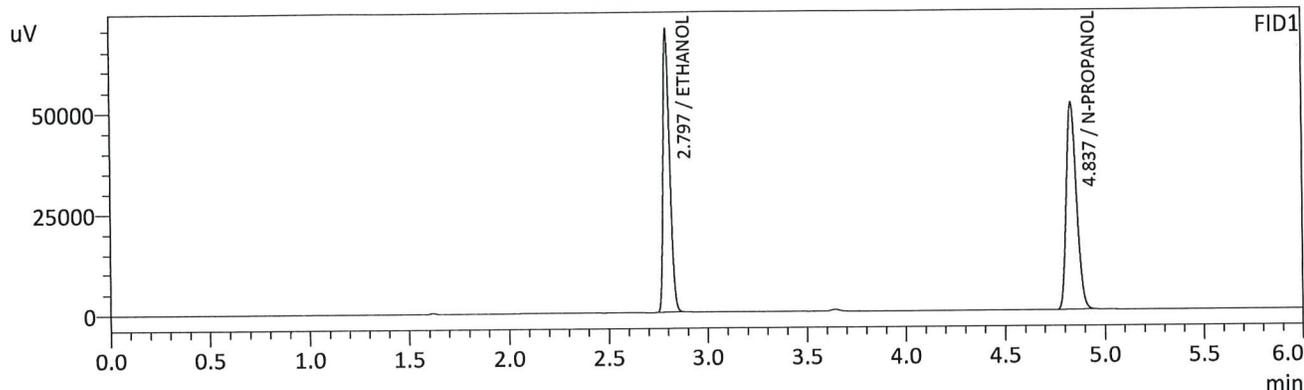
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5003	g/100cc	162115	69433
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180340	51249
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5008	g/100cc	165008	83292
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180243	67530
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 1
Vial #   : 6
Data Filename   : INT STD BLK 1_1192023_006.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 5:51:44 PM
Date Processed   : 11/9/2023 5:57:45 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm
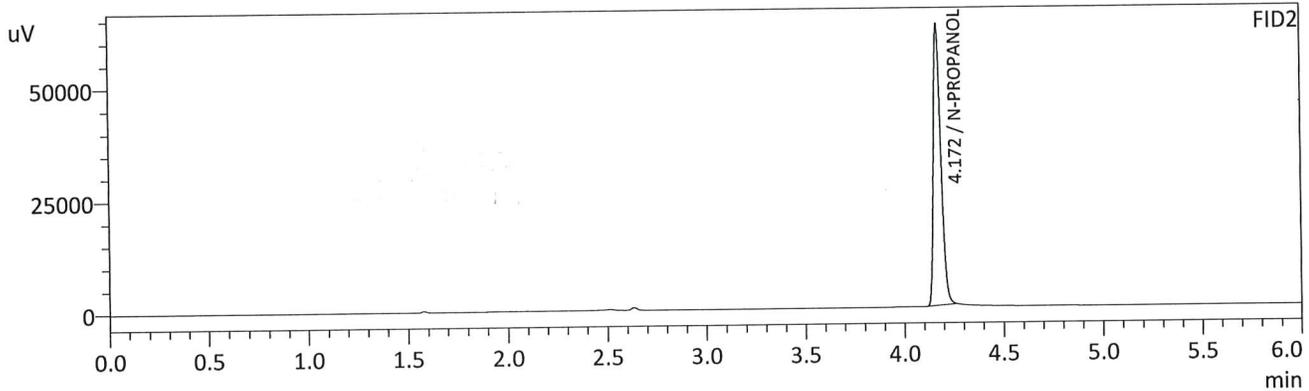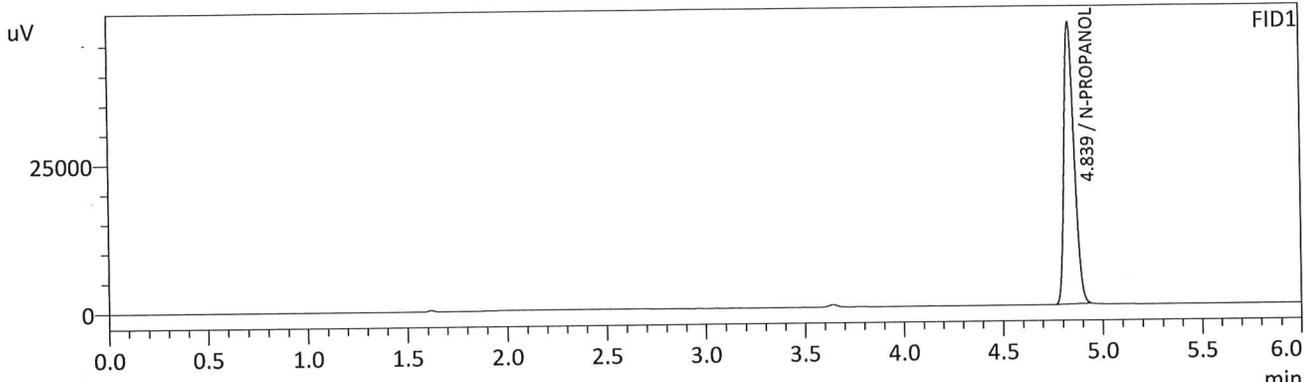
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167255	47496
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167460	62342
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : MULTI-COMP MIX
Vial #   : 7
Data Filename   : MULTI-COMP MIX_1192023_007.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 6:01:28 PM
Date Processed   : 11/9/2023 6:07:29 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm
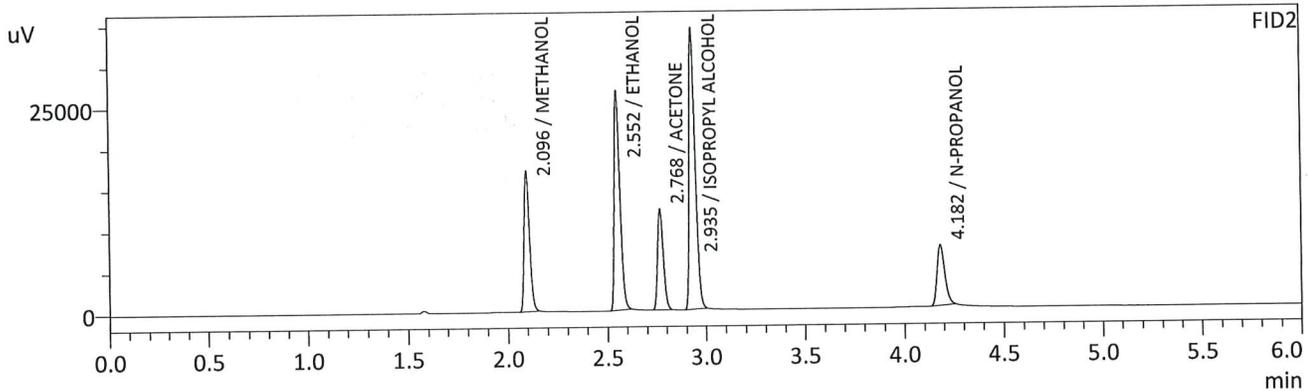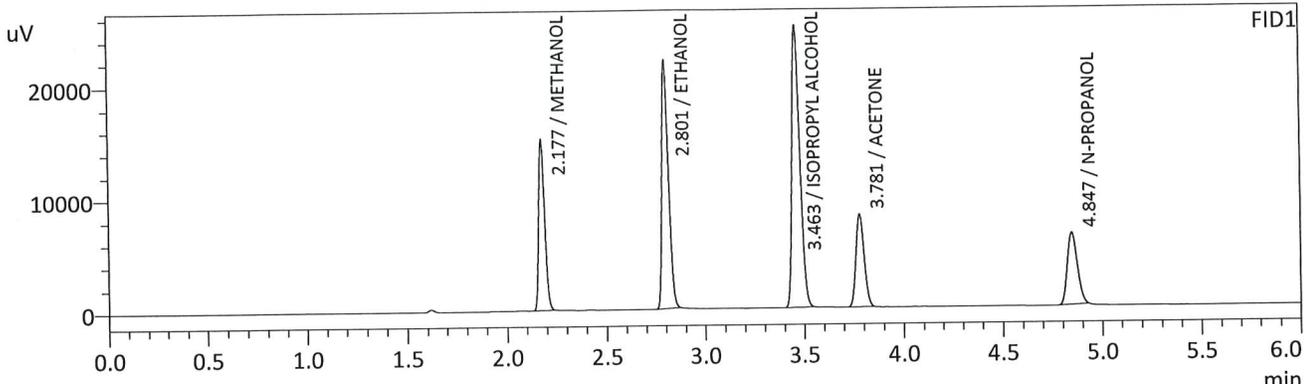
FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	31558	15110
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	1.2828	g/100cc	51552	21728
ISOPROPYL ALCOHOL	0.0000	g/100cc	70474	24802
ACETONE	0.0000	g/100cc	23660	8158
N-PROPANOL	0.0000	g/100cc	22299	6368
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	32795	16870
ETHANOL	1.4562	g/100cc	53809	26528
ACETONE	0.0000	g/100cc	24866	12097
ISOPROPYL ALCOHOL	0.0000	g/100cc	72779	34029
N-PROPANOL	0.0000	g/100cc	20020	7292
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 2
Vial #   : 8
Data Filename   : INT STD BLK 2_1192023_008.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 6:11:00 PM
Date Processed   : 11/9/2023 6:17:02 PM
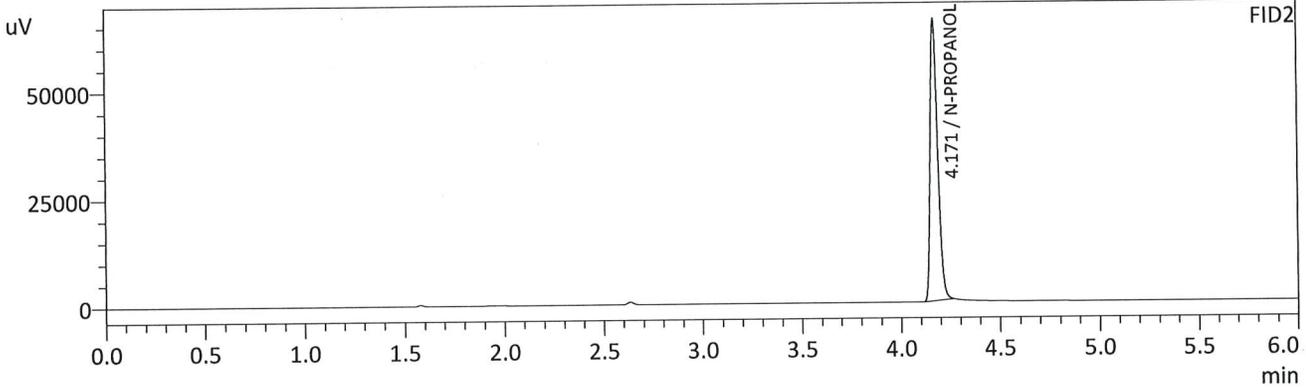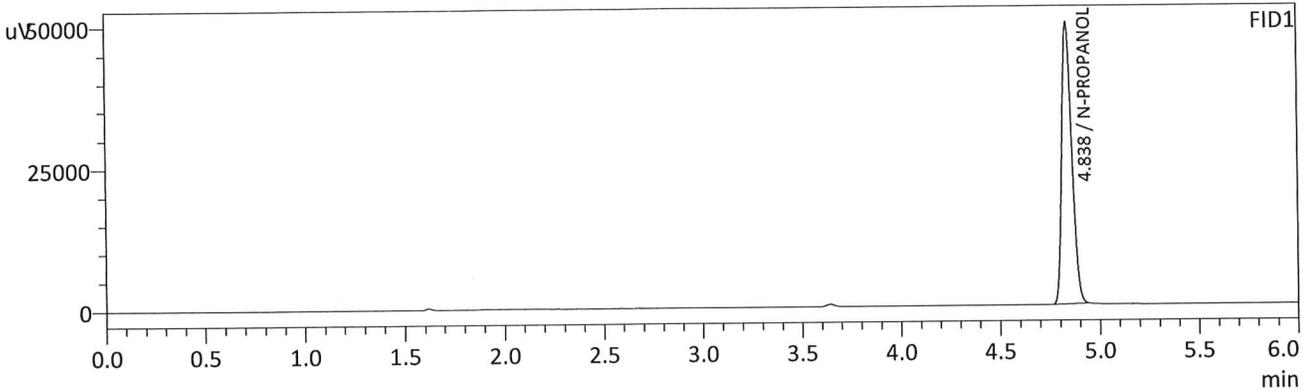Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174203	49756
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174373	65543
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1					Analysis Date(s): 11/9/2023 6:20:18 PM(-07:00)	
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0825	0.0830	0.0005	0.0827	0.0001	0.0827
(g/100cc)	0.0825	0.0831	0.0006	0.0828		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_110923_RC.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.

Sample Name   : QC1-1
Vial #   : 9
Data Filename   : QC1-1_1192023_009.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 6:20:18 PM
Date Processed   : 11/9/2023 6:26:18 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm
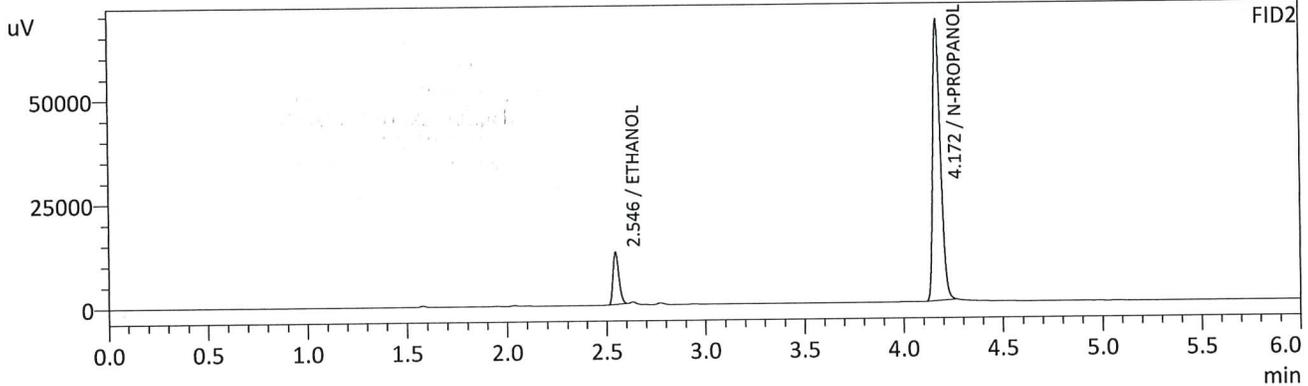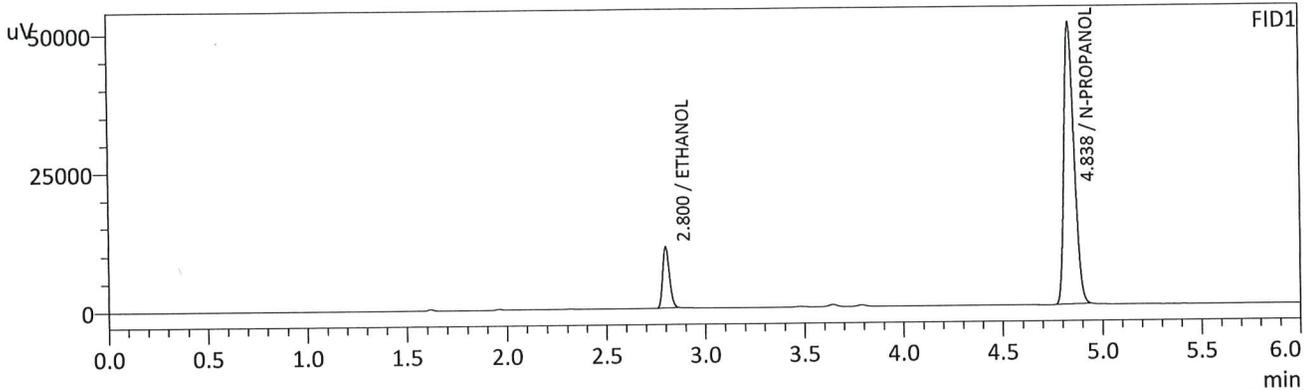
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0825	g/100cc	25891	10857
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179132	50858
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0830	g/100cc	25344	12548
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180217	67253
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-1-B
Vial #   : 10
Data Filename   : QC1-1-B_1192023_010.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 6:30:01 PM
Date Processed   : 11/9/2023 6:36:03 PM
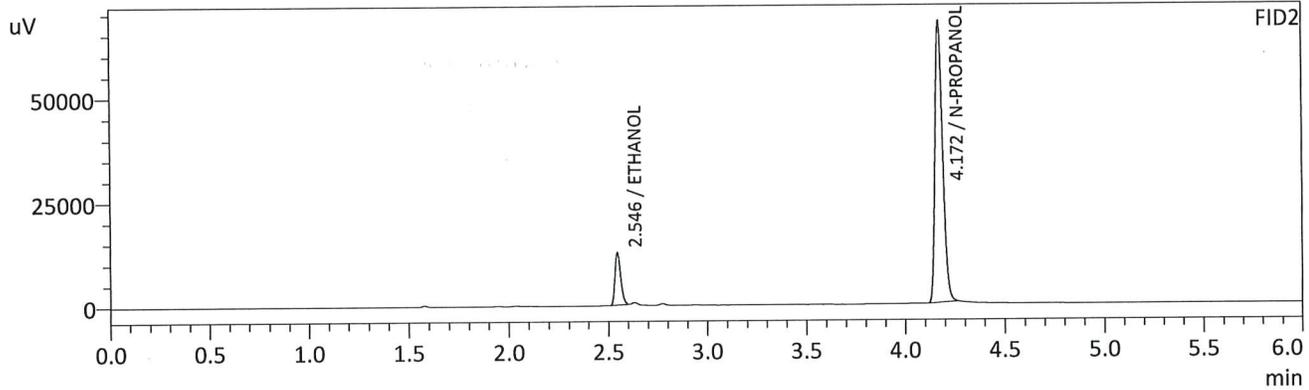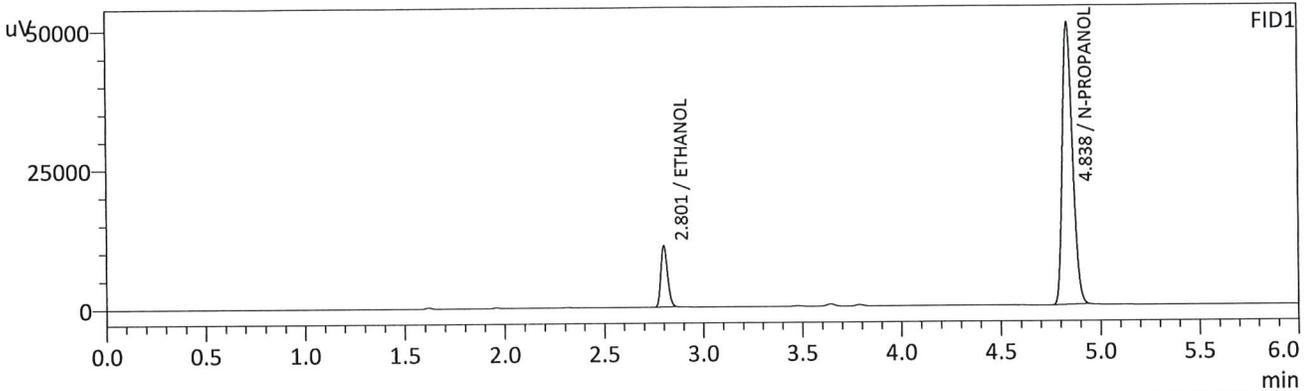Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0825	g/100cc	25845	10861
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178834	50639
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0831	g/100cc	25409	12586
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180397	66967
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA				Analysis Date(s): 11/9/2023 6:39:33 PM(-07:00)		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0811	0.0818	0.0007	0.0814	0.0002	0.0815
(g/100cc)	0.0812	0.0821	0.0009	0.0816		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_110923_RC.gcm

Reporting of Results		Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)		Low	High	5 % of Mean
0.081		0.076	0.086	0.005

	Reported Results	
	0.081	

Calibration and control data are stored centrally.

Sample Name   : 0.08 QA
Vial #   : 11
Data Filename   : 0.08 QA _1192023_011.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 6:39:33 PM
Date Processed   : 11/9/2023 6:45:35 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm
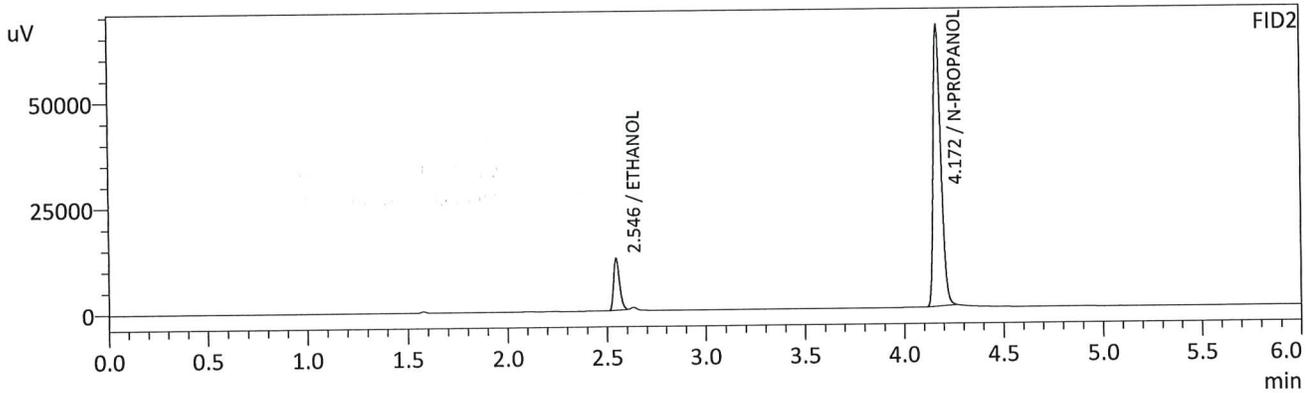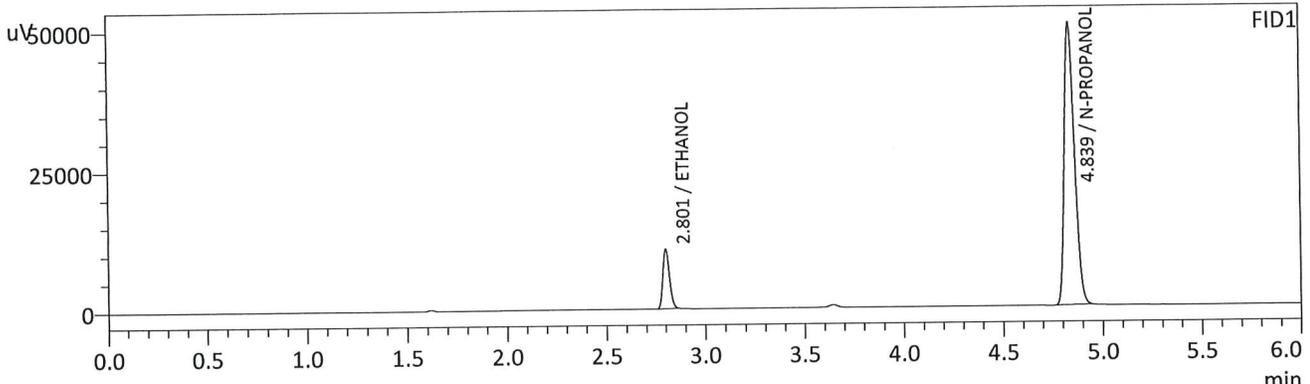
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	25079	10556
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176620	50137
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	24598	12201
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177869	66030
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.08 QA - B
Vial #   : 12
Data Filename   : 0.08 QA - B_1192023_012.gcd
Method Filename : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 6:48:51 PM
Date Processed   : 11/9/2023 6:54:51 PM
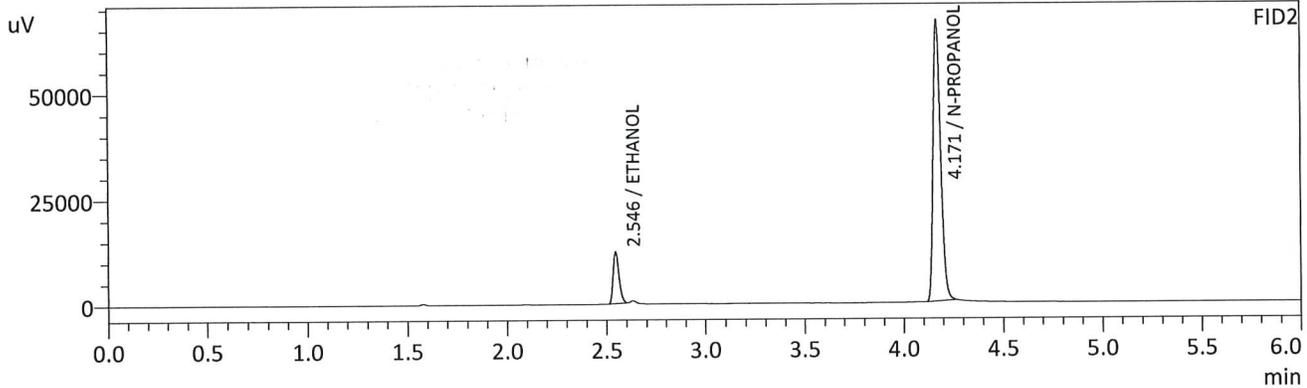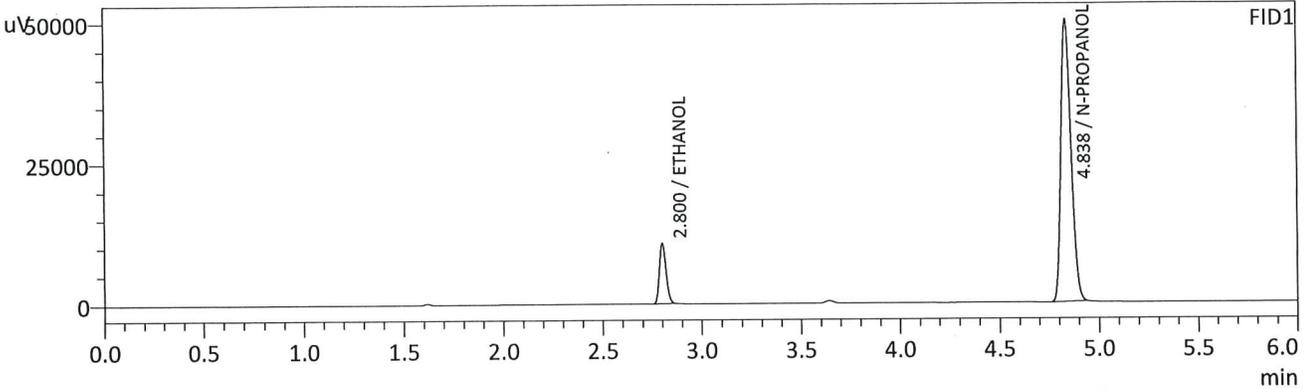Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	25171	10562
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176982	50100
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0821	g/100cc	24729	12275
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177983	66551
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1				Analysis Date(s): 11/9/2023 9:49:59 PM(-07:00)		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2099	0.2141	0.0042	0.2120	0.0001	0.2119
(g/100cc)	0.2099	0.2139	0.0040	0.2119		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_110923_RC.gcm

Reporting of Results		Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)		Low	High	5 % of Mean
0.211		0.200	0.222	0.011

	Reported Results	
	0.211	

Calibration and control data are stored centrally.

Sample Name   : QC2-1
Vial #   : 31
Data Filename   : QC2-1_1192023_031.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 9:49:59 PM
Date Processed   : 11/9/2023 9:56:01 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm
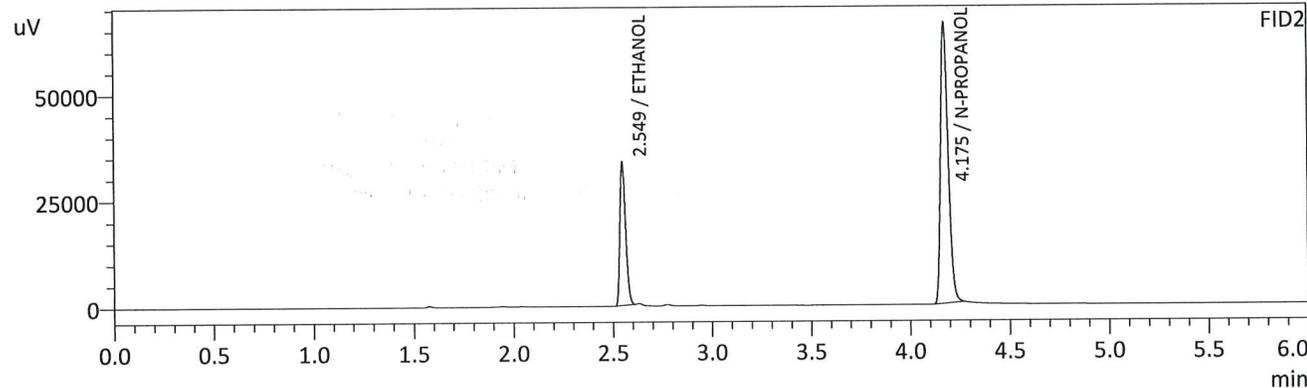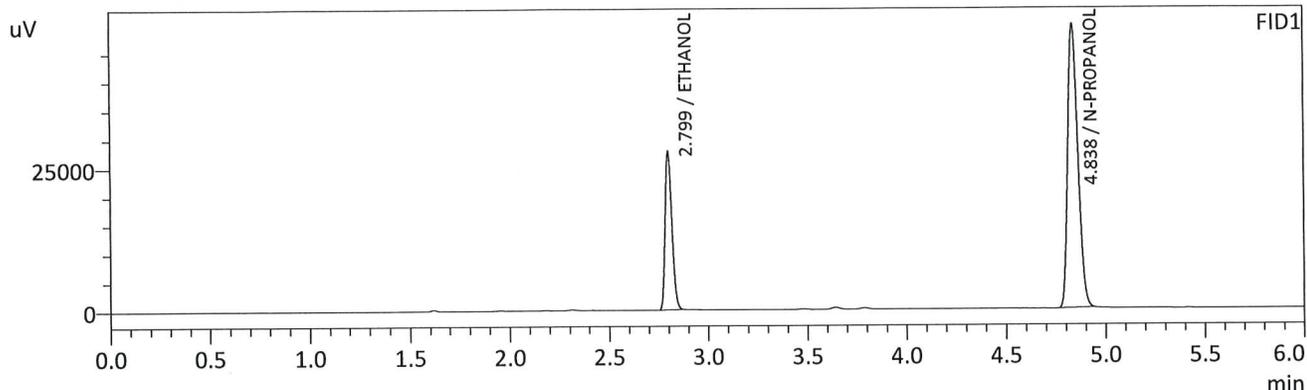
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2099	g/100cc	65502	27706
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174845	49507
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2141	g/100cc	67444	33441
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175718	66062
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC2-1-B
Vial #   : 32
Data Filename   : QC2-1-B_1192023_032.gcd
Method Filename : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/9/2023 9:59:31 PM
Date Processed   : 11/9/2023 10:05:33 PM
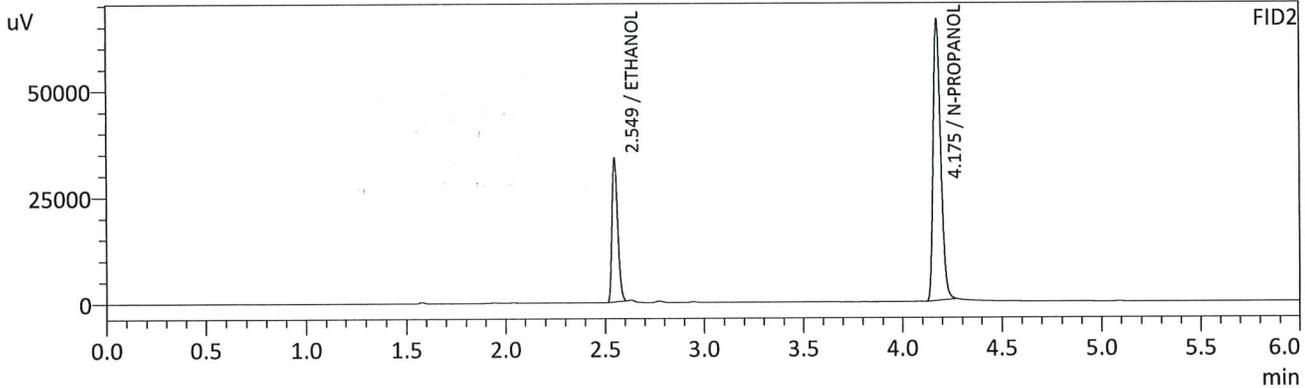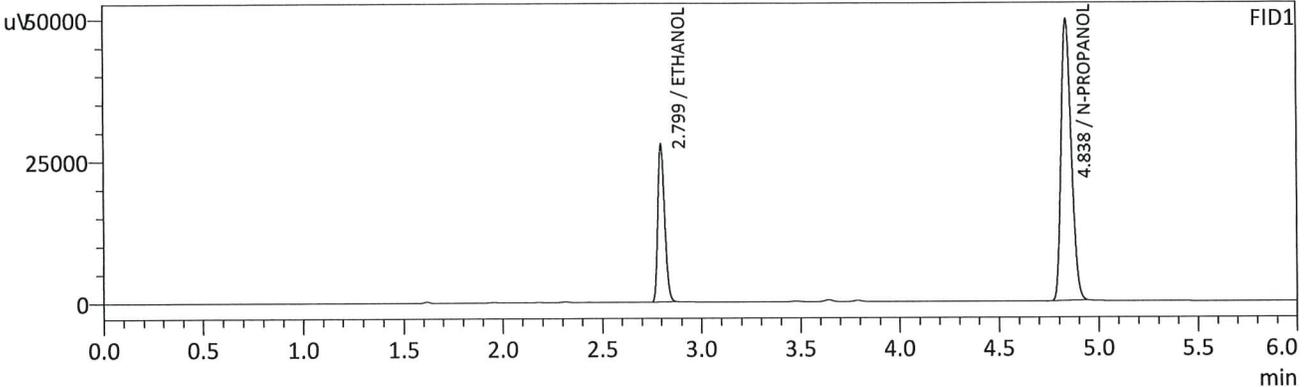Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2099	g/100cc	65569	27739
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175026	49674
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2139	g/100cc	67432	33349
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175902	66076
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2				Analysis Date(s): 11/10/2023 1:19:24 AM(-07:00)		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0892	0.0928	0.0036	0.0910	0.0009	0.0905
(g/100cc)	0.0883	0.0919	0.0036	0.0901		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_110923_RC.gcm

Reporting of Results			Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean	
0.090	0.085	0.095	0.005	

	Reported Results	
	0.090	

Calibration and control data are stored centrally.

Sample Name   : QC1-2
Vial #   : 53
Data Filename   : QC1-2_1192023_053.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/10/2023 1:19:24 AM
Date Processed   : 11/10/2023 1:25:26 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm
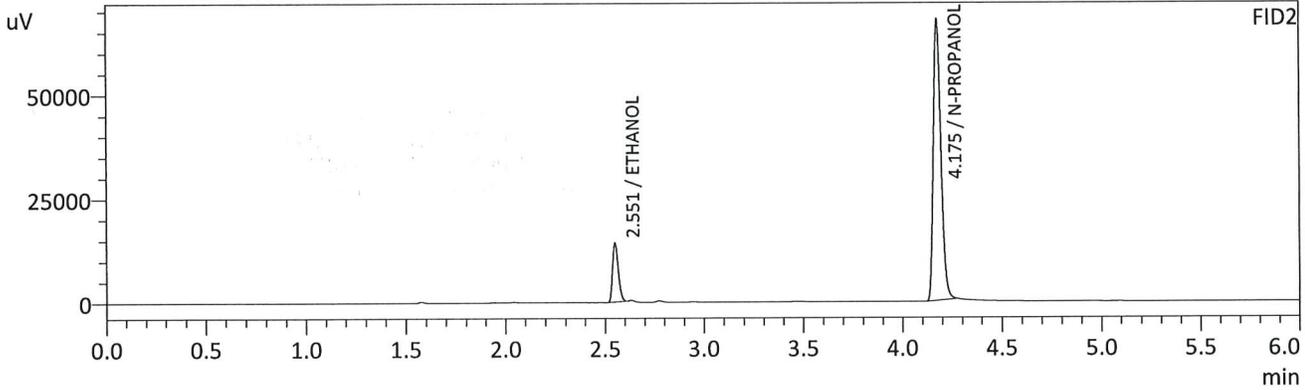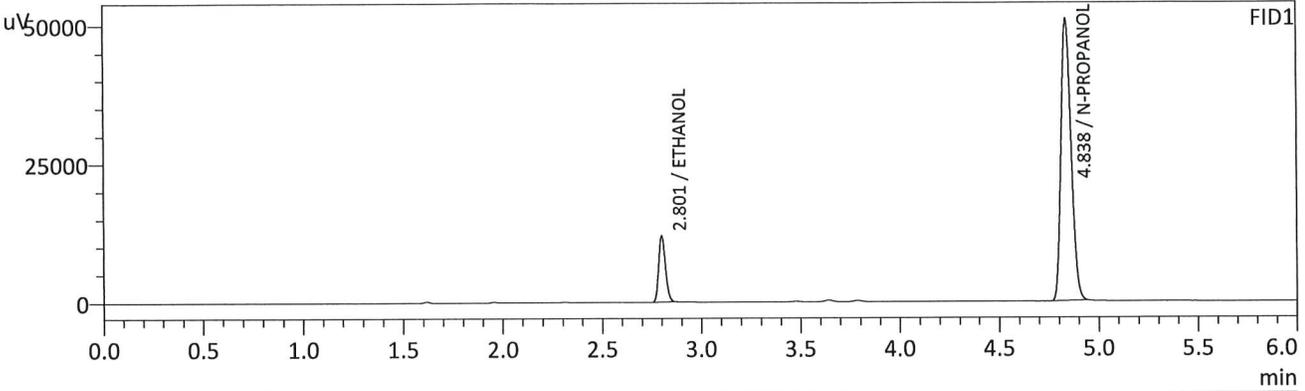
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0892	g/100cc	28030	11771
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178874	50825
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0928	g/100cc	28537	14195
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179646	67557
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-2-B
Vial #   : 54
Data Filename   : QC1-2-B_1192023_054.gcd
Method Filename   : ALCOHOL_110923_RC.gcm
Batch Filename   : BATCH_110923_RC.gcb
Date Acquired   : 11/10/2023 1:28:42 AM
Date Processed   : 11/10/2023 1:34:44 AM
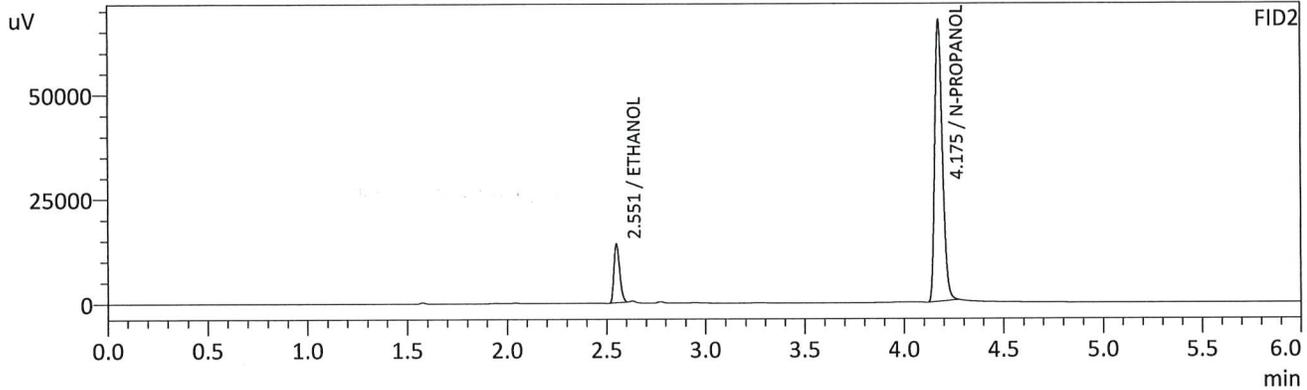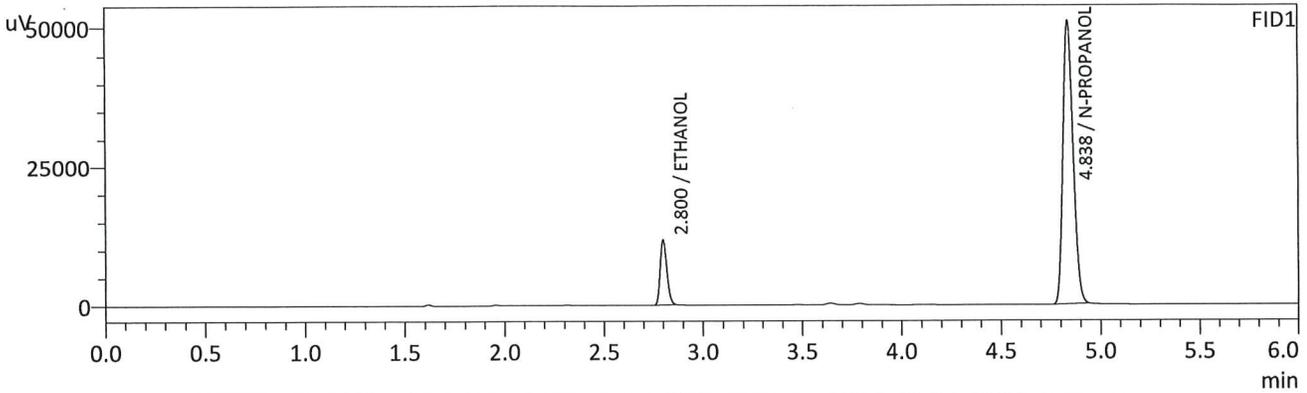Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0883	g/100cc	27756	11626
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179079	50945
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0919	g/100cc	28197	14017
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179432	67296
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name　　　 : INT STD BLK 3
Vial #　　　　　　 : 57
Data Filename　　　 : INT STD BLK 3_1192023_057.gcd
Method Filename　　 : ALCOHOL_110923_RC.gcm
Batch Filename　　　 : BATCH_110923_RC.gcb
Date Acquired　　　 : 11/10/2023 1:57:14 AM
Date Processed　　　 : 11/10/2023 2:03:17 AM
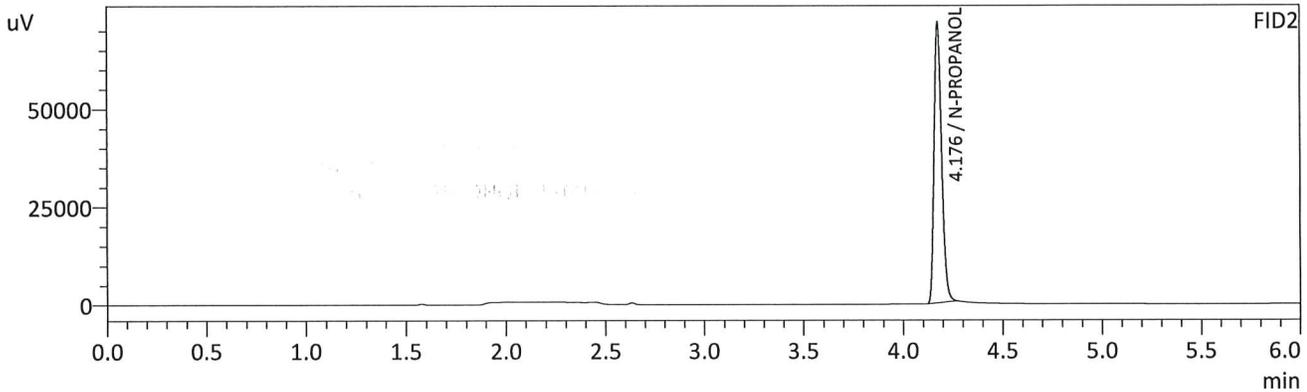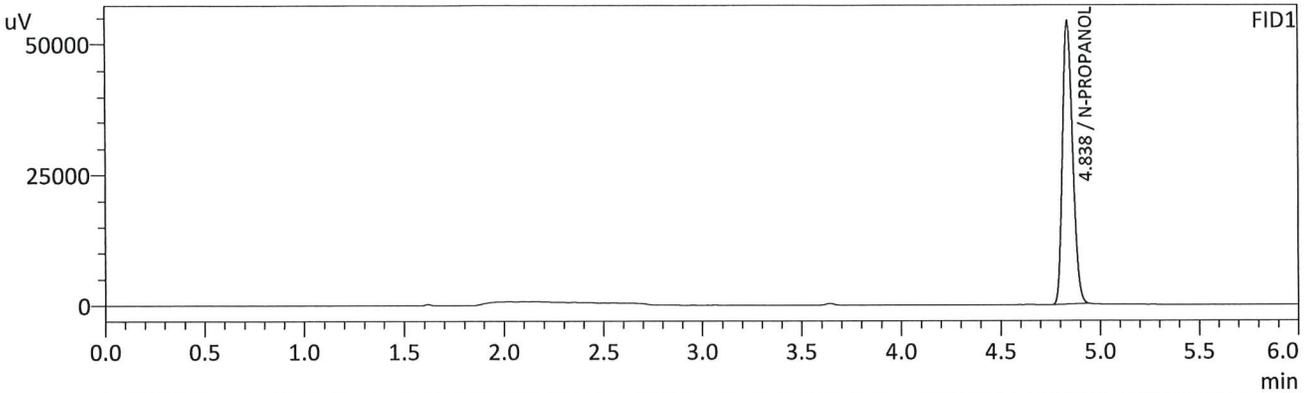Default Project - G1KG333-Instrument1 - ALCOHOL_110923_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	190075	54210
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	190608	71611
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662
Shimadzu HS-20 Serial Number: C12595700014
LabSolutions Version 6.117
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	Vial#	Sample Name	Sample Type	Method File	Data File	Level#
	1	0.050	1:Standard:(R)	ALCOHOL_110923_RC.gcm		1
	2	0.100	1:Standard:(R)	ALCOHOL_110923_RC.gcm		2
	3	0.200	1:Standard:(R)	ALCOHOL_110923_RC.gcm		3
	4	0.300	1:Standard:(R)	ALCOHOL_110923_RC.gcm		4
	5	0.500	1:Standard:(R)	ALCOHOL_110923_RC.gcm		5
	6	INT STD BLK 1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	7	MULTI-COMP MIX	0:Unknown	ALCOHOL_110923_RC.gcm	MULTI-COMP MIX_1292021_001.gcd	1
	8	INT STD BLK 2	0:Unknown	ALCOHOL_110923_RC.gcm		0
	9	QC1-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	10	QC1-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	11	0.08 QA	0:Unknown	ALCOHOL_110923_RC.gcm		0
	12	0.08 QA - B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	13	P2023-3369-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	14	P2023-3369-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	15	P2023-3380-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	16	P2023-3380-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	17	P2023-3392-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	18	P2023-3392-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	19	P2023-3393-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	20	P2023-3393-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	21	P2023-3412-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	22	P2023-3412-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	23	P2023-3414-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	24	P2023-3414-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
**	25	P2023-3418-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
**	26	P2023-3418-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
*	27	P2023-3419-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
*	28	P2023-3419-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	29	P2023-3421-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	30	P2023-3421-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	31	QC2-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	32	QC2-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	33	P2023-3424-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	34	P2023-3424-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
*	35	P2023-3430-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
*	36	P2023-3430-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	37	P2023-3431-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	38	P2023-3431-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	39	P2023-3432-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	40	P2023-3432-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	41	P2023-3433-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	42	P2023-3433-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	43	P2023-3446-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	44	P2023-3446-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	45	P2023-3447-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	46	P2023-3447-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	47	P2023-3448-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	48	P2023-3448-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	49	P2023-3449-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	50	P2023-3449-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	51	P2023-3450-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	52	P2023-3450-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	53	QC1-2	0:Unknown	ALCOHOL_110923_RC.gcm		0
	54	QC1-2-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	55	P2023-3405-1	0:Unknown	ALCOHOL_110923_RC.gcm		0
	56	P2023-3405-1-B	0:Unknown	ALCOHOL_110923_RC.gcm		0
	57	INT STD BLK 3	0:Unknown	ALCOHOL_110923_RC.gcm		0

* Reanalyzing (new sample) on 11/10/23. RC

**Reanalyzing later with new DFE standard. RC 11/15/23

Default Project - BATCH_110923_RC.gcb