Worklist: 6488

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
P2023-2621	2	BLOOD	Alcohol Analysis	
P2023-2625	1	BCK	Alcohol Analysis	
P2023-2626	1	BCK	Alcohol Analysis	
P2023-2627	1	BCK	Alcohol Analysis	
P2023-2628	1	BCK	Alcohol Analysis	
P2023-2629	1	BCK	Alcohol Analysis	
P2023-2635	1	BCK	Alcohol Analysis	
P2023-2647	1	BCK	Alcohol Analysis	
P2023-2656	1	BCK	Alcohol Analysis	
P2023-2658	1	BCK	Alcohol Analysis	
P2023-2665	1	BCK	Alcohol Analysis	
P2023-2673	1	BCK	Alcohol Analysis	
P2023-2681	1	BCK	Alcohol Analysis	
P2023-2689	1	BCK	Alcohol Analysis	
P2023-2690	1	BCK	Alcohol Analysis	
P2023-2703	1	BCK	Alcohol Analysis	
P2023-2704	1	BCK	Alcohol Analysis	
P2023-2705	1	BCK	Alcohol Analysis	
P2023-2706	1	BCK	Alcohol Analysis	
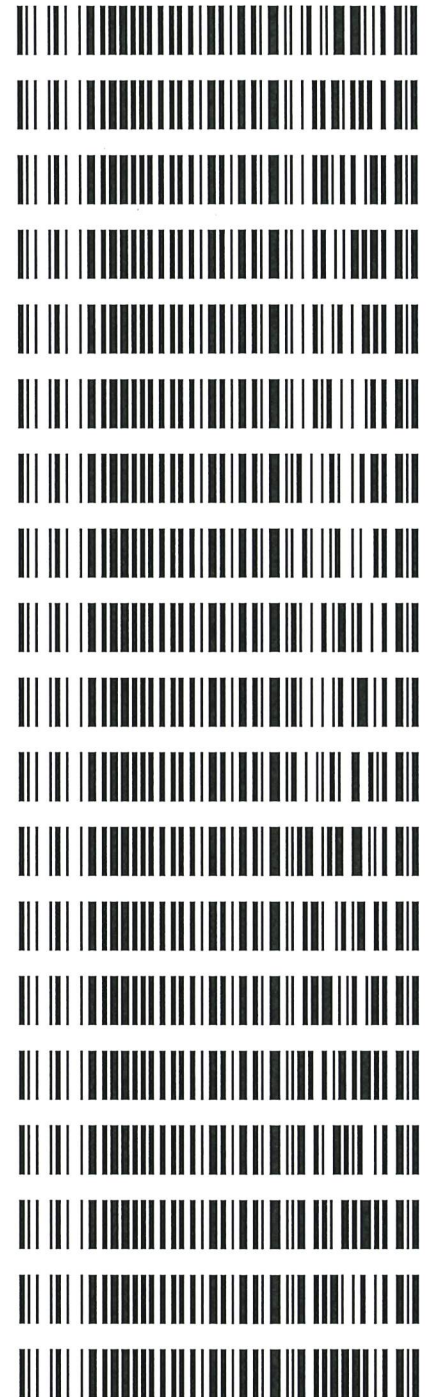
REVIEWED
By Jeremy Johnston at 6:27 pm, Sep 05, 2023

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

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

Analytical Method(s): 1.0

Run Date(s):   09/01/2023

Volatiles Quality Assurance Controls

Calibration Date: *(if different)* **: 08/31/2023**

Worklist #:

ML600GB9897

6488

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0862 g/100cc
					0.0886 g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2023 g/100cc
					0.2023 g/100cc

Multi-Component mixture:	Exp:	2024 October	Lot #	FN0041902 OK
Curve Fit:		Column 1	Column2	
		0.99996	0.99991	

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0508	0.0517	0.0009	0.0512
100	0.100	0.090 - 0.110	0.1003	0.1002	0.0001	0.1002
200	0.200	0.180 - 0.220	0.1989	0.1980	0.0009	0.1984
300	0.300	0.270 - 0.330	0.2989	0.2985	0.0004	0.2987
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5008	0.5014	0.0006	0.5011

Aqueous Controls

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

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Internal Standard Monitoring Worksheet

Worklist #:	6488	Run Date(s):	09/01/2023

Internal Standard Solution:		Prep Date:	8/16/2023	Exp Date:	2/16/2024

Sample Name	Column 1 Value	Column 2 Value
0.080	133112	136068
0.080	132486	135472
QC1	119292	121757
QC1	122296	125023
QC1	136705	139894
QC1	140364	143671
QC1		
QC1		
QC2	132448	135161
QC2	133134	135757
QC2		
QC2		
QC2		
QC2		
QC2		

|	Average	(-)20%	(+)20%
Column 1	131229.6	104983.7	157475.6
Column 2	134100.4	107280.3	160920.5

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

Laboratory: Pocatello
Instrument Name : G1KG333-Instrument1

<<Data File>>
Method File :Default Project - ALCOHOL_083123_RC.gcm
Batch File :Default Project - BATCH_083123_RC.gcb
Date Acquired :8/31/2023 12:27:42 PM
Date Created :8/31/2023 12:24:14 PM
Date Modified :9/1/2023 7:52:14 AM
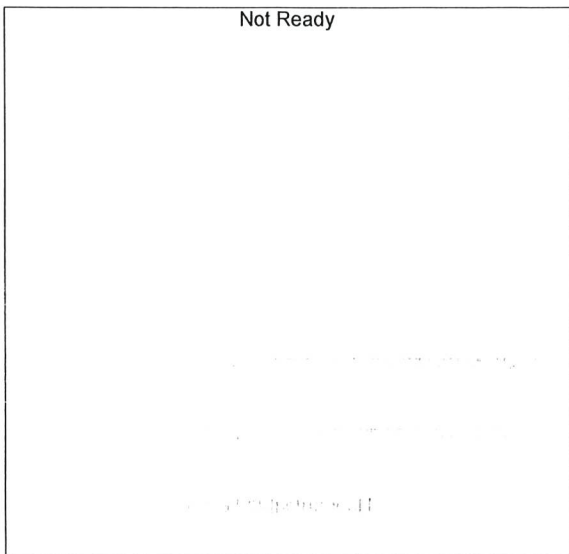
Not Ready

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

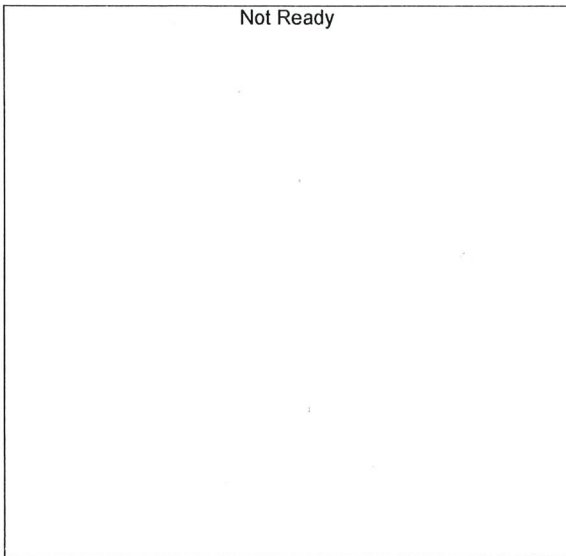| #	Conc.	Area	Std. Conc.	Data File Name

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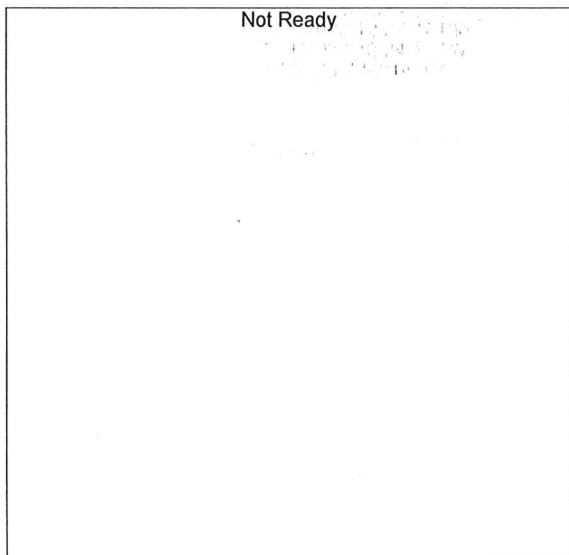
Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

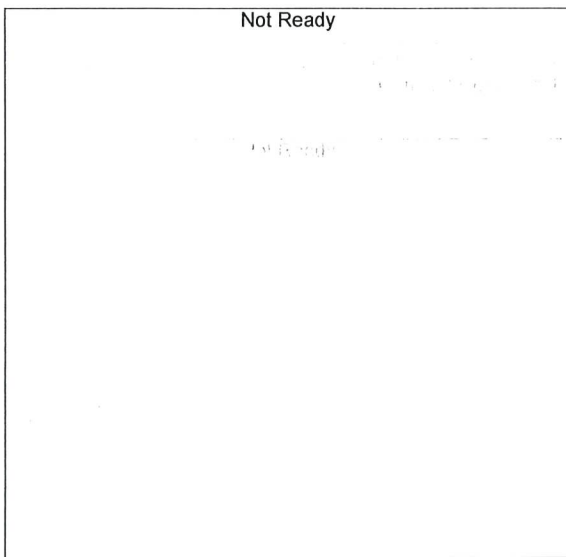| #	Conc.	Area	Std. Conc.	Data File Name

Area Ratio
[*10^0]
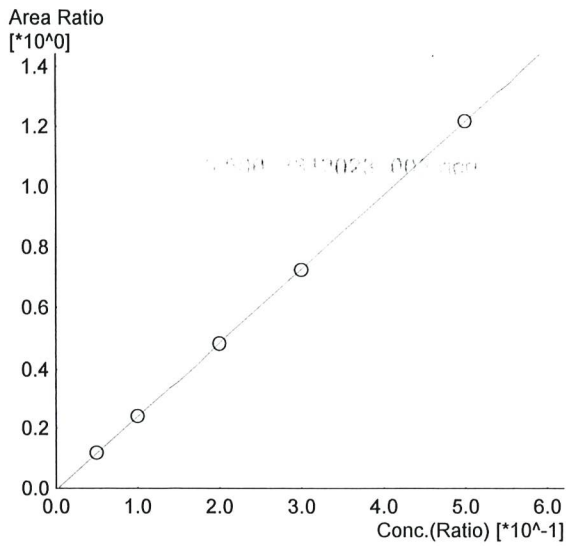
Name : ETHANOL
Detector Name: FID1
Function : f(x)=2.44345*x-0.00611685
R^2 value= 0.9999699
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15346	0.0508	0.050_8312023_001.gcd
2	0.100	31318	0.1003	0.100_8312023_002.gcd
3	0.200	63987	0.1989	0.200_8312023_003.gcd
4	0.300	96378	0.2989	0.300_8312023_004.gcd
5	0.500	162995	0.5008	0.500_8312023_005.gcd

Not Ready

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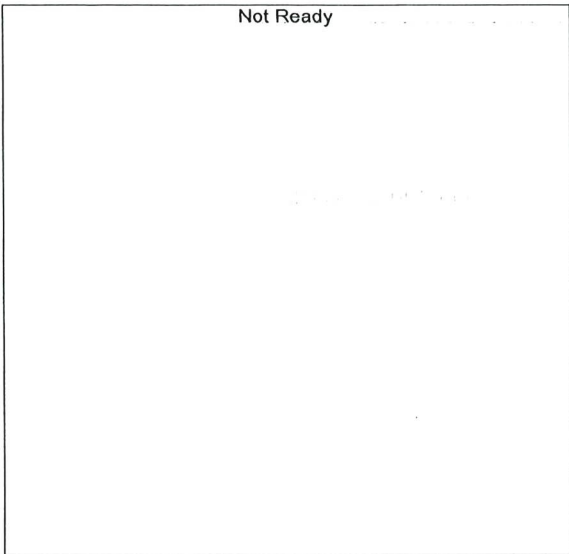R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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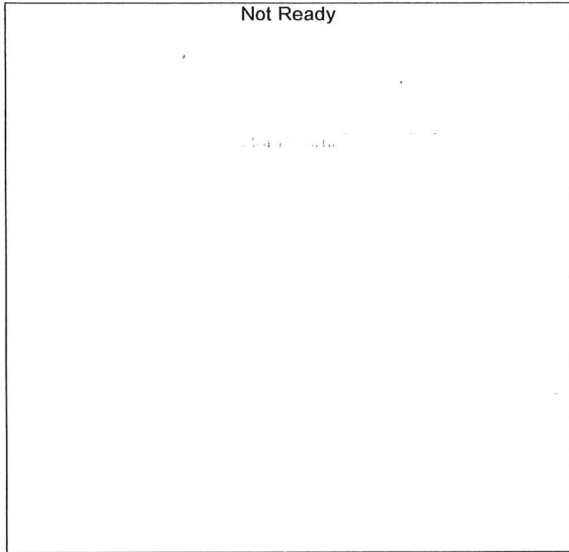R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

DFE

Not Ready

#	Conc.	Area	Std. Conc.	Data File Name

TFE

Not Ready

#	Conc.	Area	Std. Conc.	Data File Name

ACETALDEHYDE

Not Ready

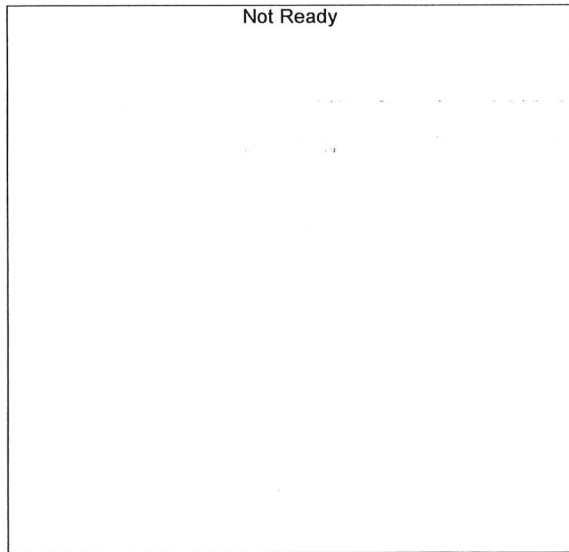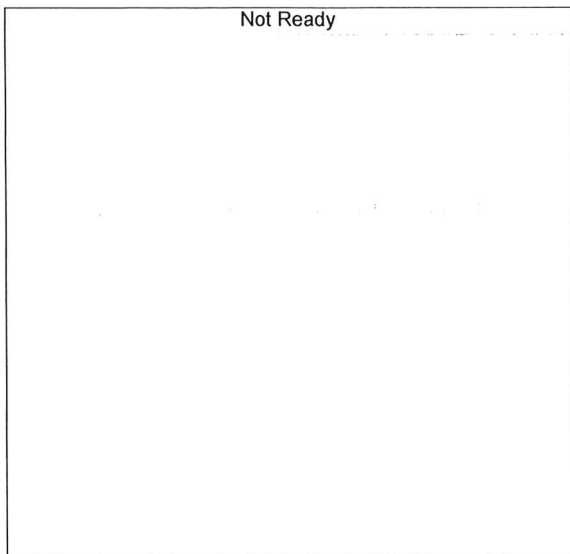| #	Conc.	Area	Std. Conc.	Data File Name

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]

Name : ETHANOL
Detector Name: FID2
Function : $f(x)=2.47449*x-0.0131601$
R^2 value= 0.9999144
FitType: Linear
ZeroThrough: Not Through

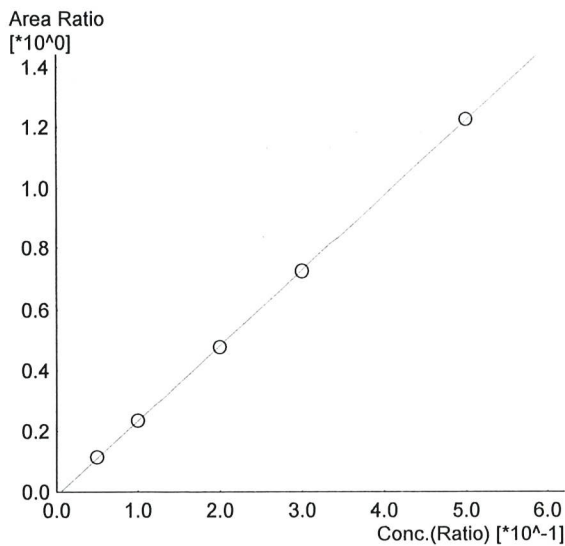| #	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15234	0.0517	0.050_8312023_001.gcd
2	0.100	31374	0.1002	0.100_8312023_002.gcd
3	0.200	64830	0.1980	0.200_8312023_003.gcd
4	0.300	98438	0.2985	0.300_8312023_004.gcd
5	0.500	167353	0.5014	0.500_8312023_005.gcd

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

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

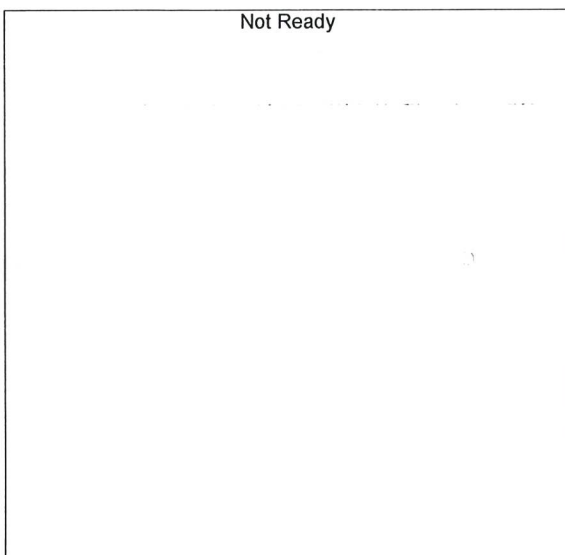| #	Conc.	Area	Std. Conc.	Data File Name

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
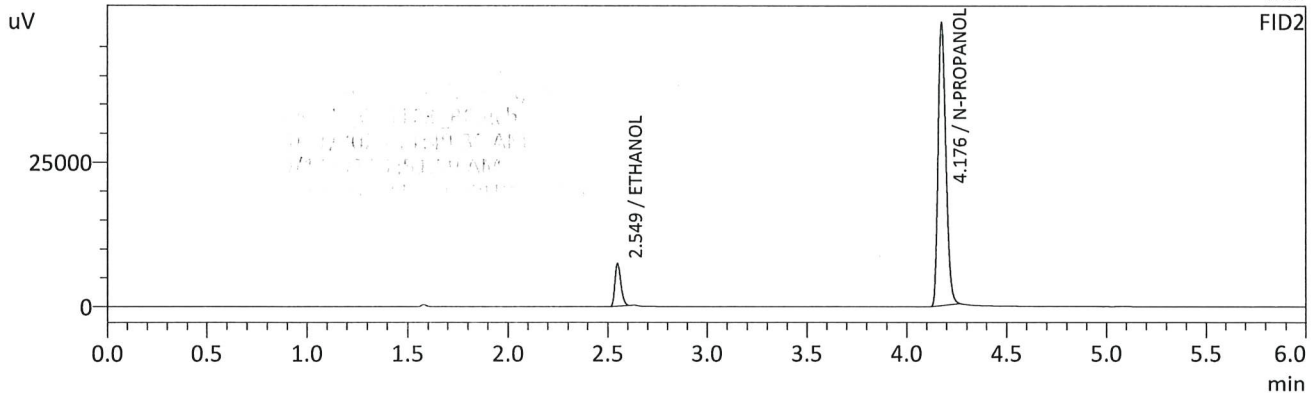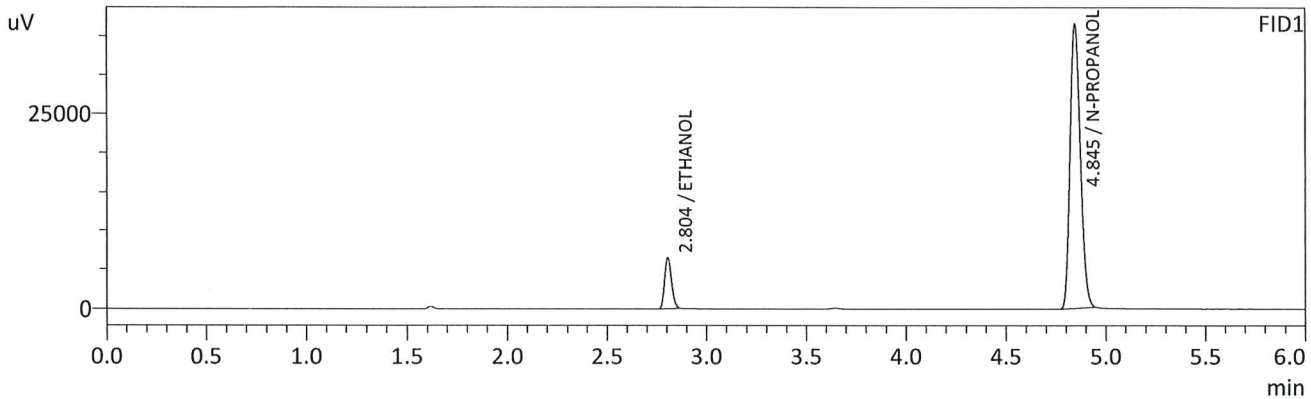R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Sample Name   : 0.050
Vial #   : 1
Data Filename   : 0.050_8312023_001.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_083123_RC.gcb
Date Acquired   : 8/31/2023 11:49:35 AM
Date Processed   : 9/1/2023 7:51:59 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0508	g/100cc	15346	6415
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	129891	36398
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0517	g/100cc	15234	7340
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	132597	48969
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.100
Vial #   : 2
Data Filename   : 0.100_8312023_002.gcd
Method Filename : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_083123_RC.gcb
Date Acquired   : 8/31/2023 11:59:04 AM
Date Processed   : 9/1/2023 7:52:04 AM
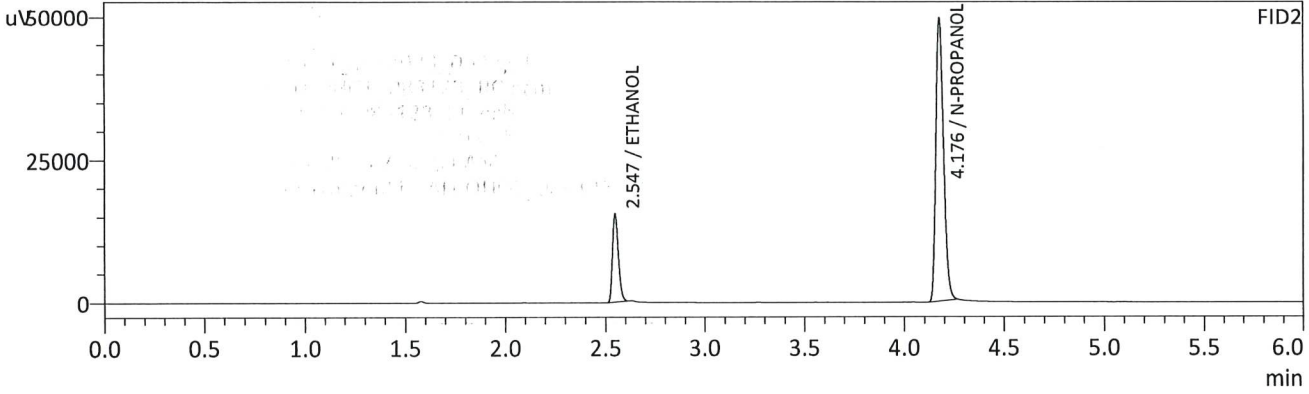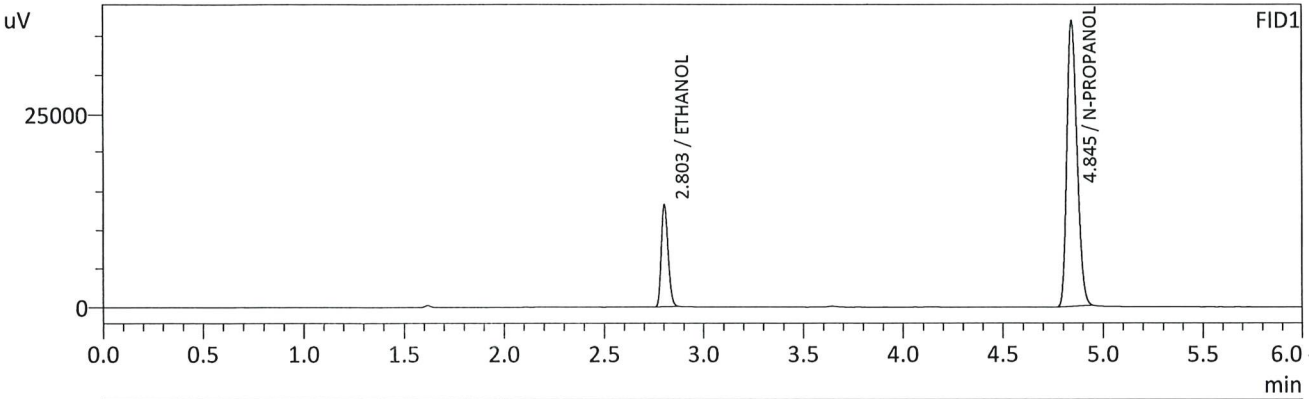Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	31318	13230
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	131002	36717
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	31374	15362
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	133613	49454
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.200
Vial #   : 3
Data Filename   : 0.200_8312023_003.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_083123_RC.gcb
Date Acquired   : 8/31/2023 12:08:26 PM
Date Processed   : 9/1/2023 7:52:07 AM
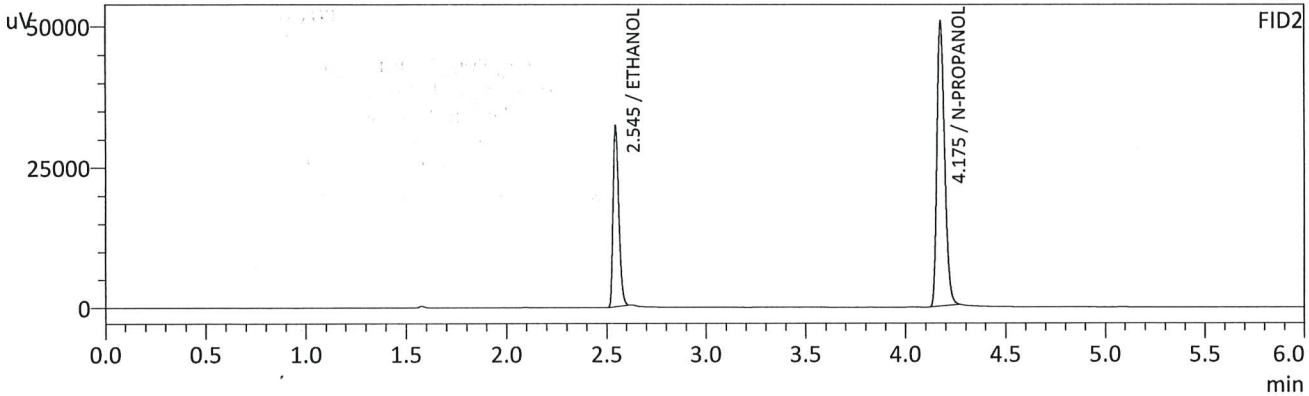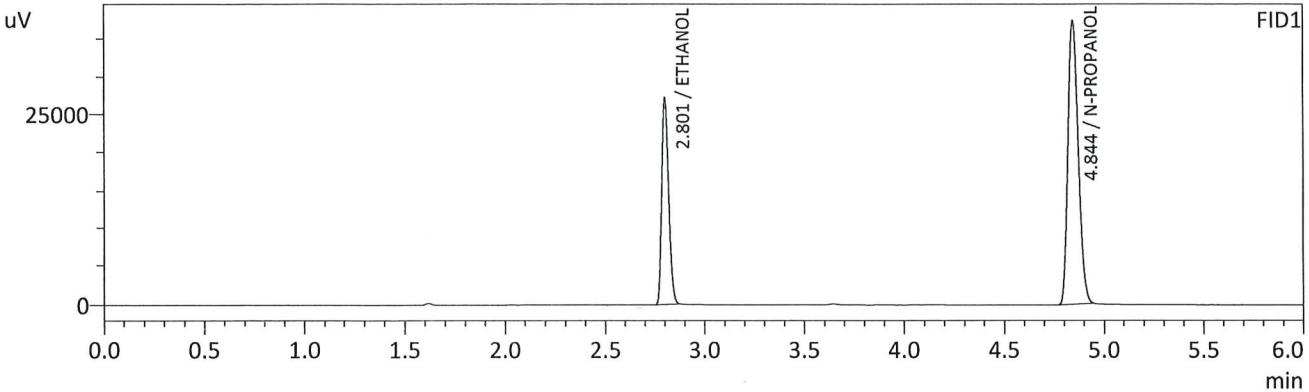Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1989	g/100cc	63987	26936
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	133286	37384
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1980	g/100cc	64830	32181
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135945	50643
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.300
Vial #   : 4
Data Filename   : 0.300_8312023_004.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_083123_RC.gcb
Date Acquired   : 8/31/2023 12:18:11 PM
Date Processed   : 9/1/2023 7:52:10 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm
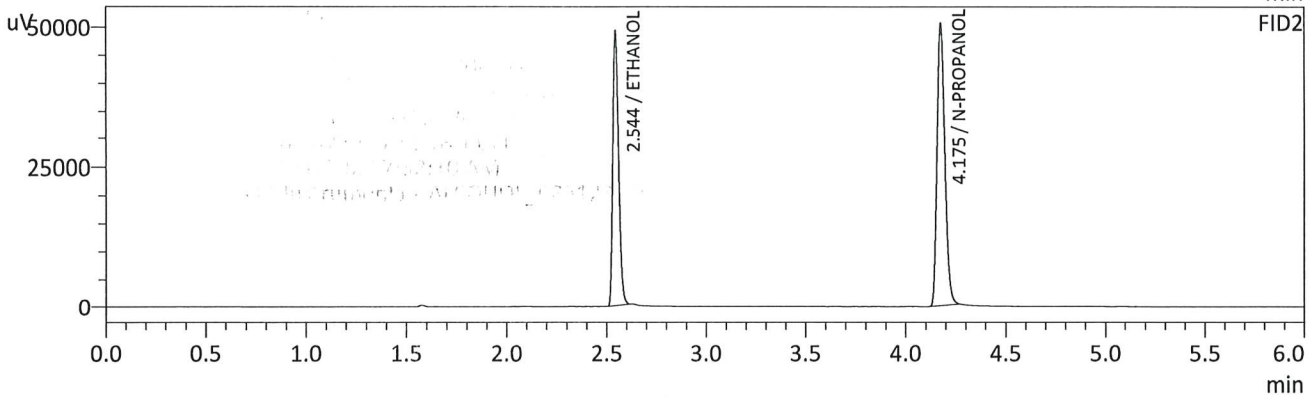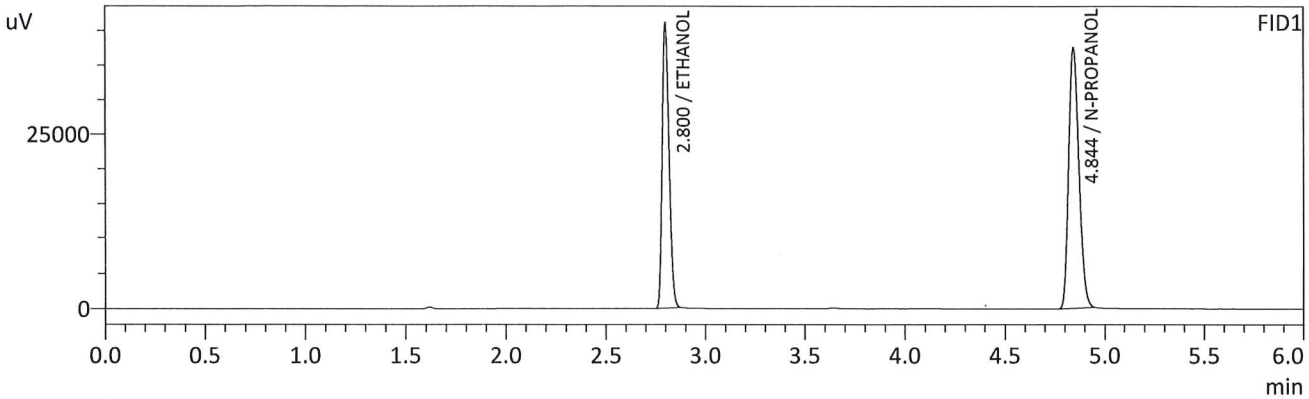

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2989	g/100cc	96378	40727
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	133063	37353
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2985	g/100cc	98438	48562
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135649	50454
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.500
Vial # : 5
Data Filename : 0.500_8312023_005.gcd
Method Filename : ALCOHOL_083123_RC.gcm
Batch Filename : BATCH_083123_RC.gcb
Date Acquired : 8/31/2023 12:27:42 PM
Date Processed : 9/1/2023 7:52:14 AM
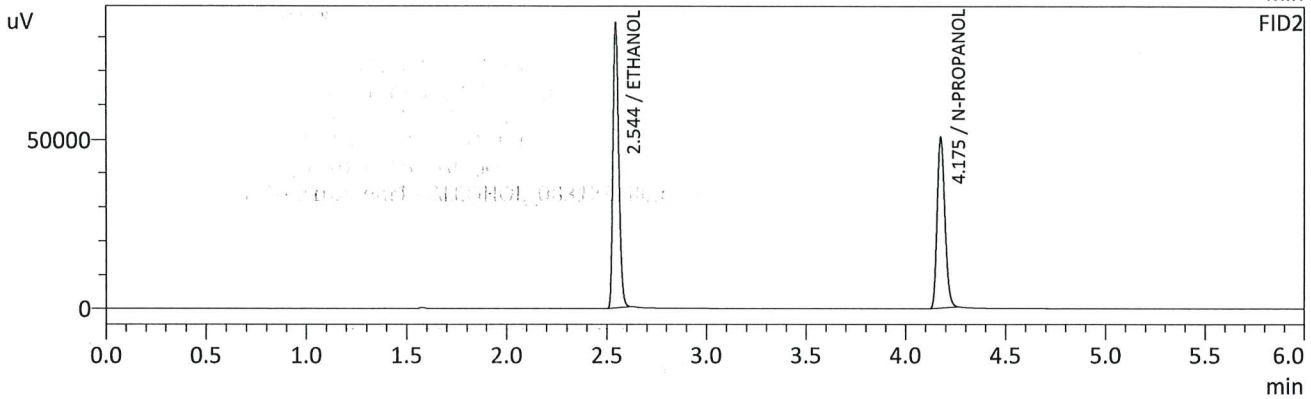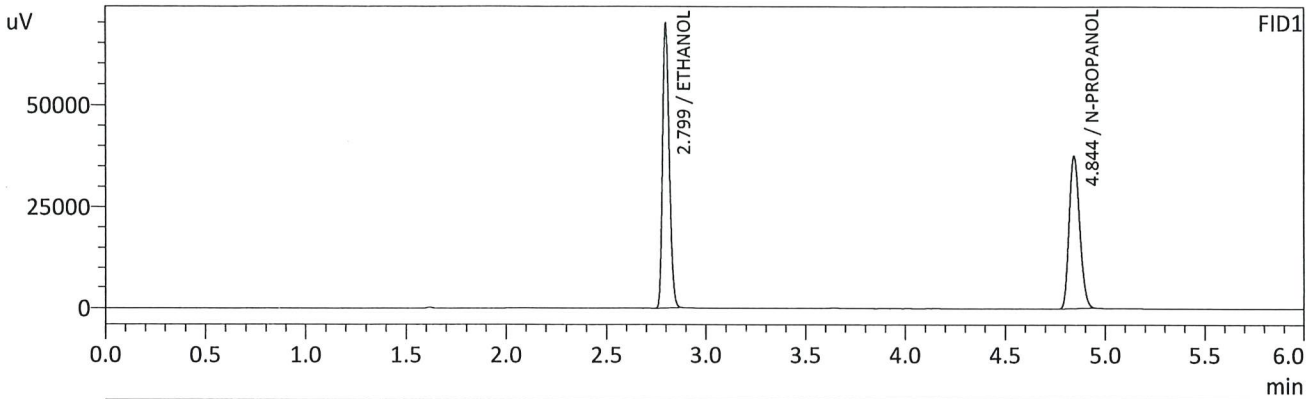Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5008	g/100cc	162995	69528
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	133843	37434
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5014	g/100cc	167353	82777
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	136326	50759
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 1
Vial #   : 1
Data Filename   : INT STD BLK 1_912023_001.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 11:41:42 AM
Date Processed   : 9/1/2023 11:47:44 AM
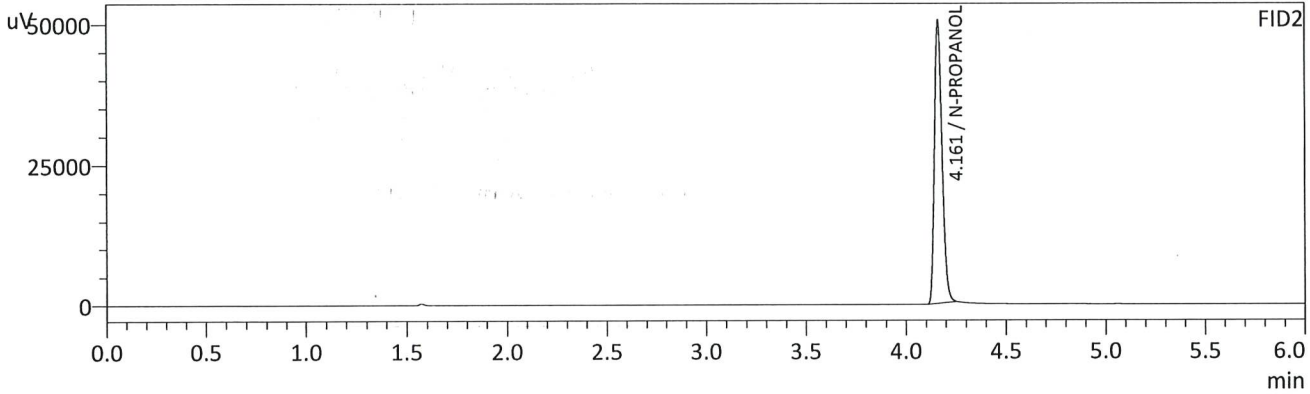Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm
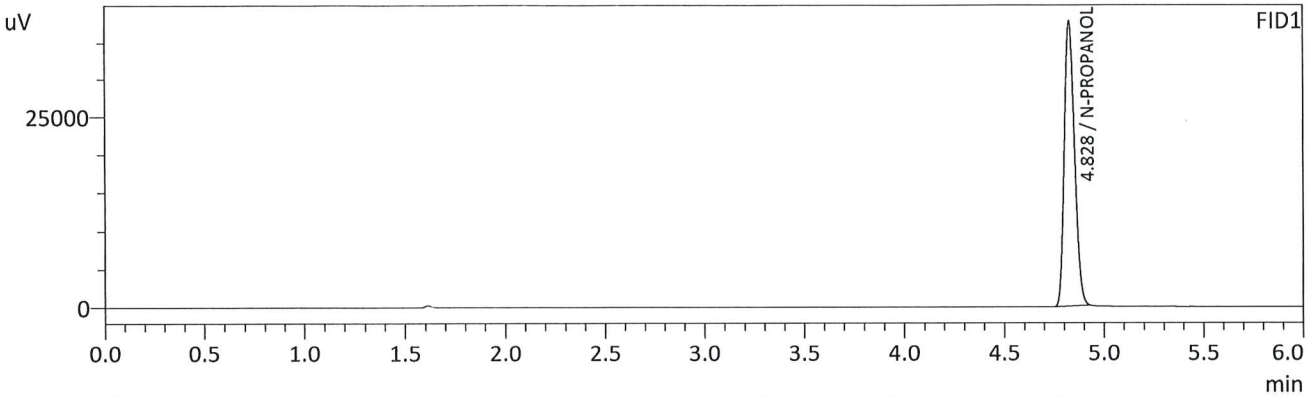
FID1

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	132649	37557
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	134884	50439
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : MULTI-COMP MIX
Vial #   : 2
Data Filename   : MULTI-COMP MIX_912023_002.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 11:51:13 AM
Date Processed   : 9/1/2023 11:57:15 AM
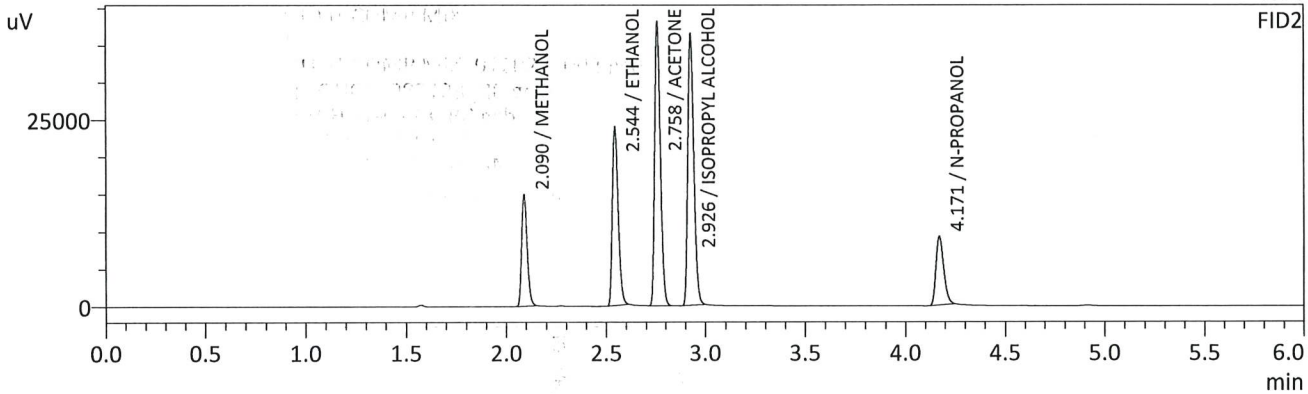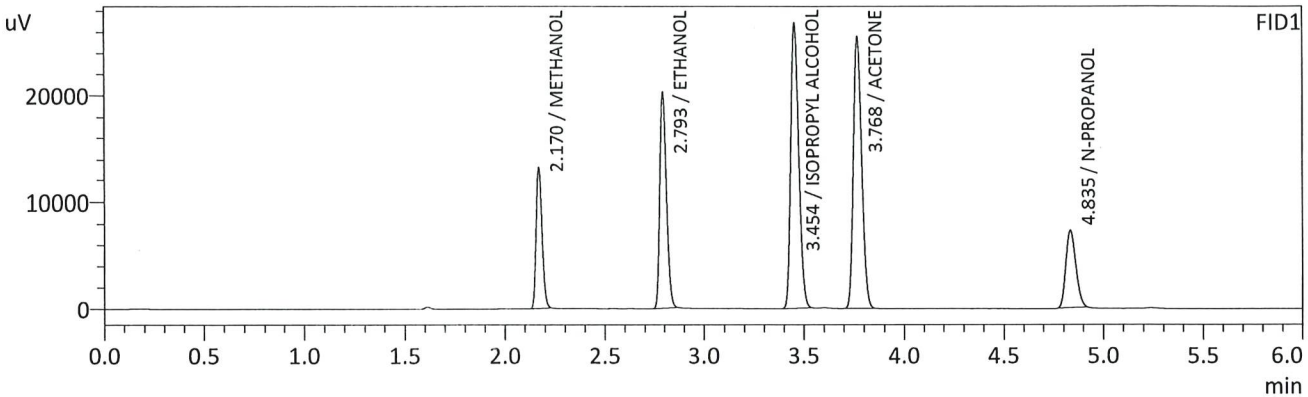Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	27466	13091
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.7614	g/100cc	47473	20201
ISOPROPYL ALCOHOL	0.0000	g/100cc	75242	26639
ACETONE	0.0000	g/100cc	73521	25477
N-PROPANOL	0.0000	g/100cc	25601	7266
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	28459	14808
ETHANOL	0.7869	g/100cc	48290	23607
ACETONE	0.0000	g/100cc	76643	37569
ISOPROPYL ALCOHOL	0.0000	g/100cc	77250	35876
N-PROPANOL	0.0000	g/100cc	24966	9171
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 2
Vial #   : 3
Data Filename   : INT STD BLK 2_912023_003.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 12:00:33 PM
Date Processed   : 9/1/2023 12:06:35 PM
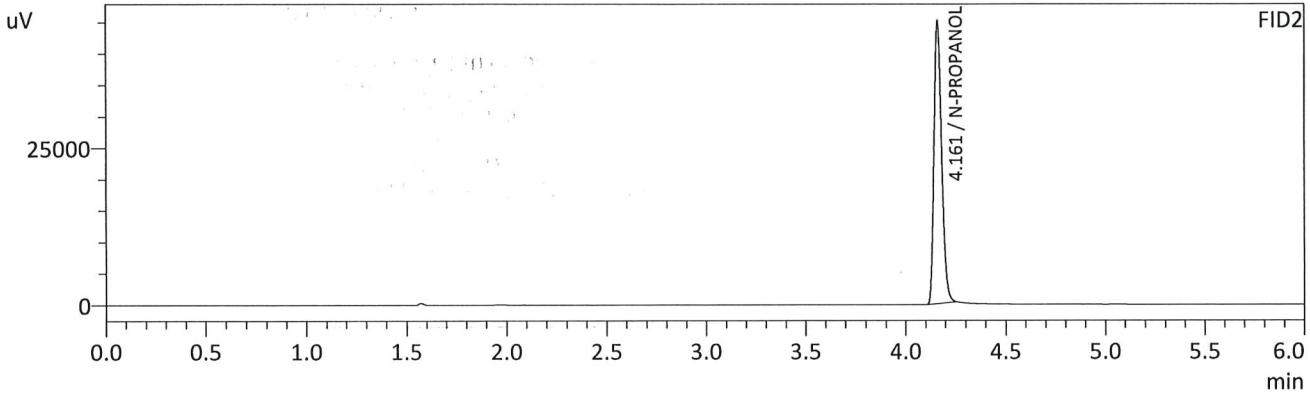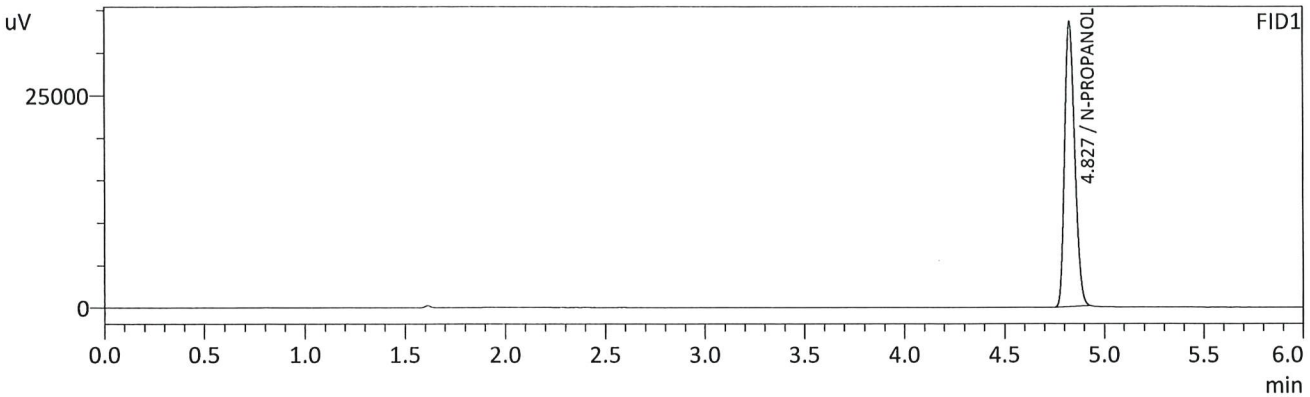Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

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	118351	33406
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	120543	45046
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1				Analysis Date(s): 9/1/2023 12:10:18 PM(-06:00)	

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0872	0.0871	0.0001	0.0871	0.0017	0.0862
(g/100cc)	0.0855	0.0853	0.0002	0.0854		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_083123_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.086	0.081	0.091	0.005

	Reported Results	
	0.086	

Calibration and control data are stored centrally.

Sample Name   : QC1-1
Vial #   : 4
Data Filename   : QC1-1_912023_004.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 12:10:18 PM
Date Processed   : 9/1/2023 12:16:19 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm
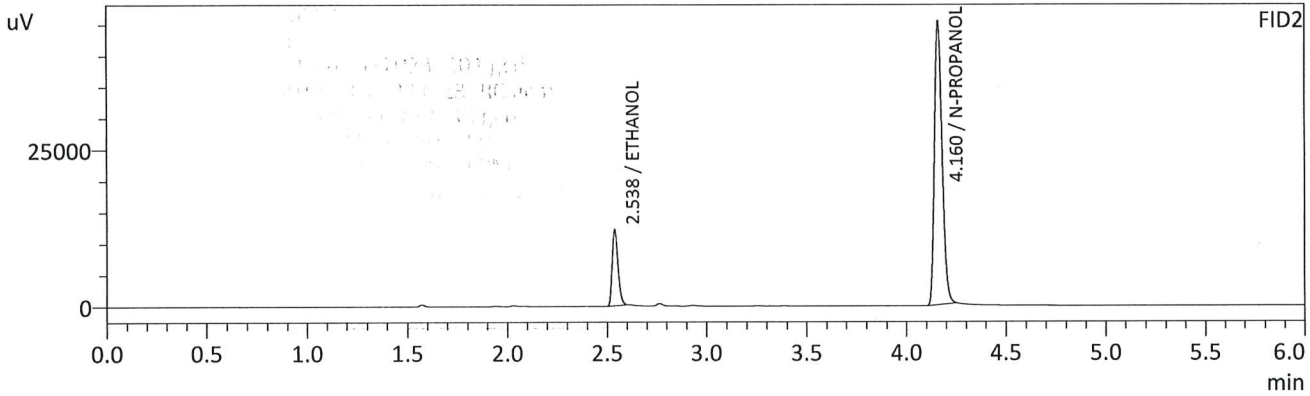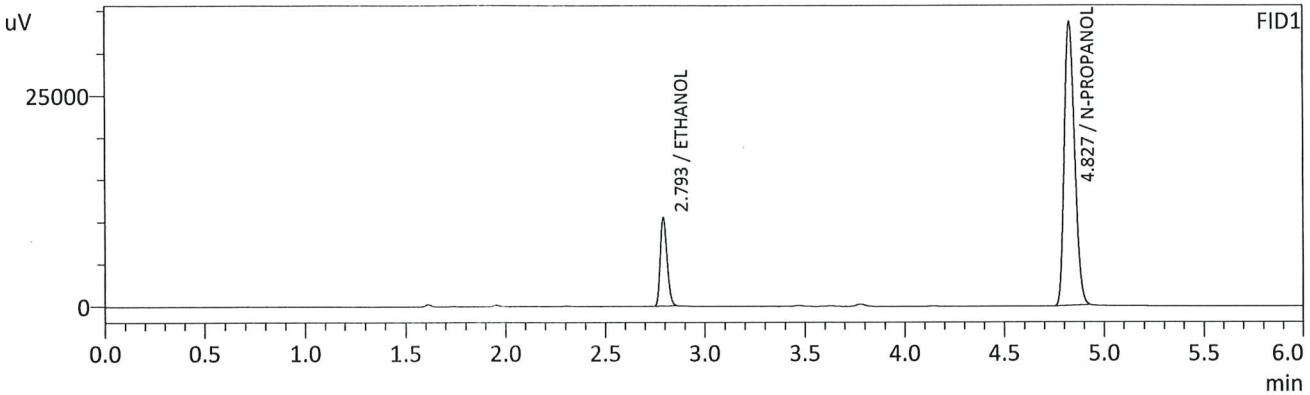
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0872	g/100cc	24694	10497
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	119292	33595
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0871	g/100cc	24647	12079
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	121757	45329
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-1-B
Vial #   : 5
Data Filename   : QC1-1-B_912023_005.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 12:19:50 PM
Date Processed   : 9/1/2023 12:25:52 PM
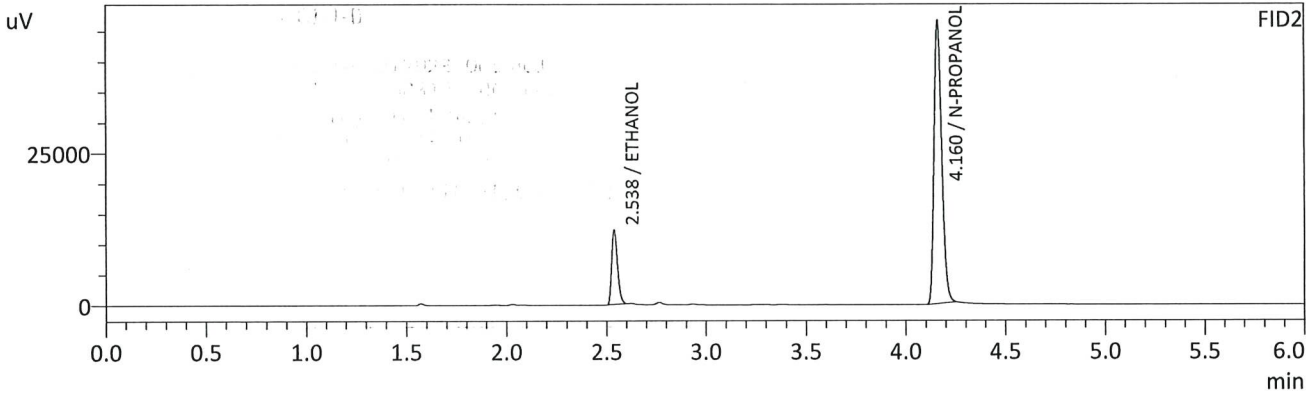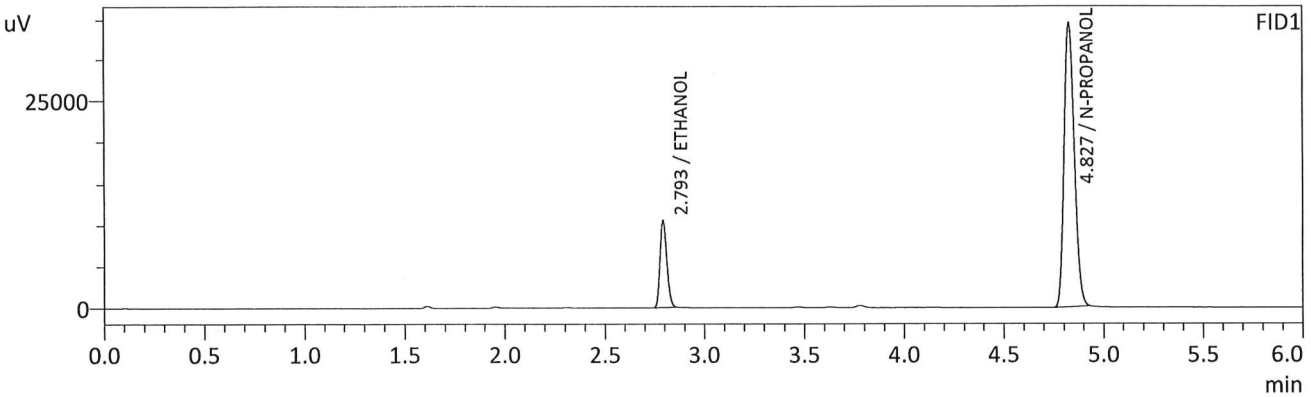Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0855	g/100cc	24812	10530
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	122296	34483
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0853	g/100cc	24754	12136
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	125023	46512
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA				Analysis Date(s): 9/1/2023 12:29:08 PM(-06:00)		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0807	0.0002	0.0806	0.0000	0.0806
(g/100cc)	0.0805	0.0807	0.0002	0.0806		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_083123_RC.gcm

Reporting of Results		Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)		Low	High	5 % of Mean
0.080		0.076	0.084	0.004

		Reported Results	
Column 1	Column 2	0.080	
FID A	FID B		

Calibration and control data are stored centrally.

RC

Sample Name   : 0.08 QA
Vial #   : 6
Data Filename   : 0.08 QA _912023_006.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 12:29:08 PM
Date Processed   : 9/1/2023 12:35:10 PM
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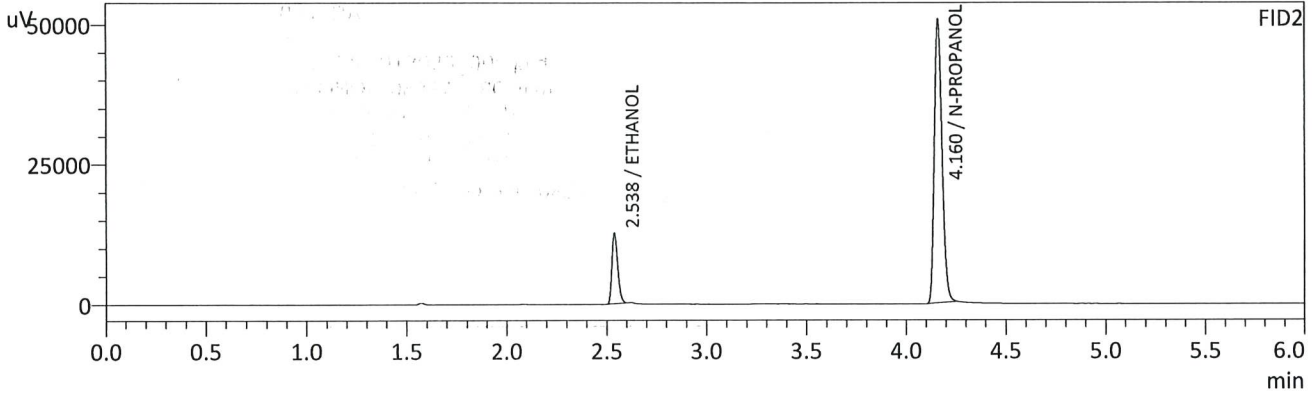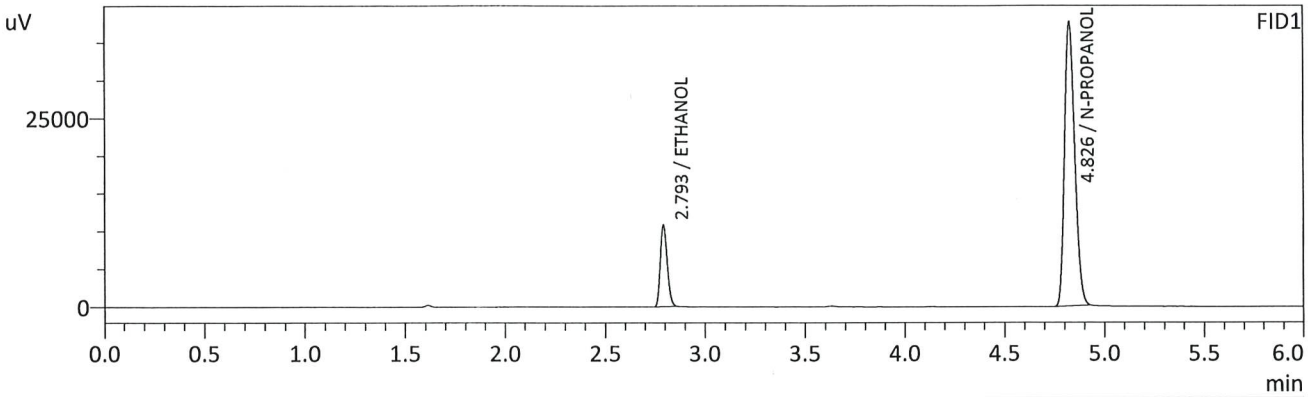
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	25381	10764
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	133112	37497
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0807	g/100cc	25399	12486
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	136068	50672
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.08 QA - B
Vial #   : 7
Data Filename   : 0.08 QA - B_912023_007.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 12:38:52 PM
Date Processed   : 9/1/2023 12:44:55 PM
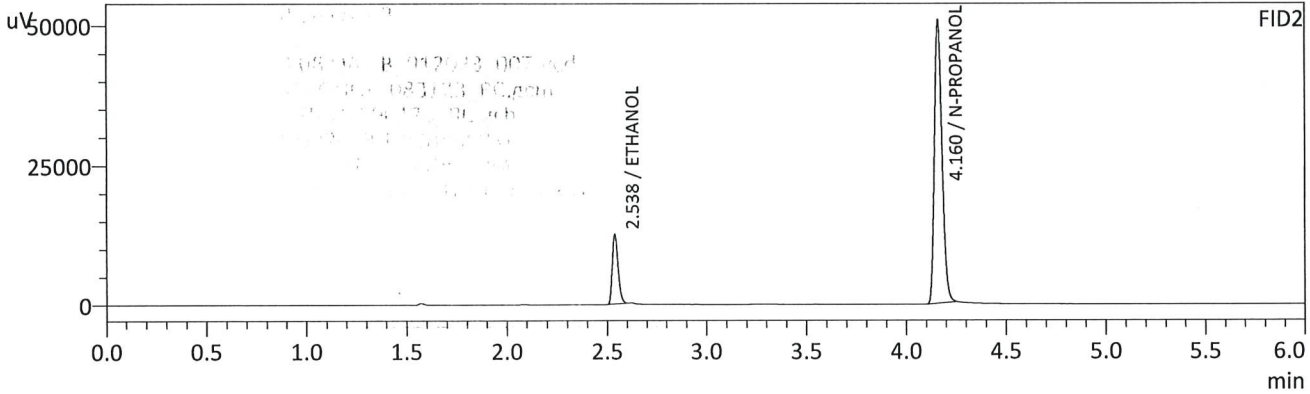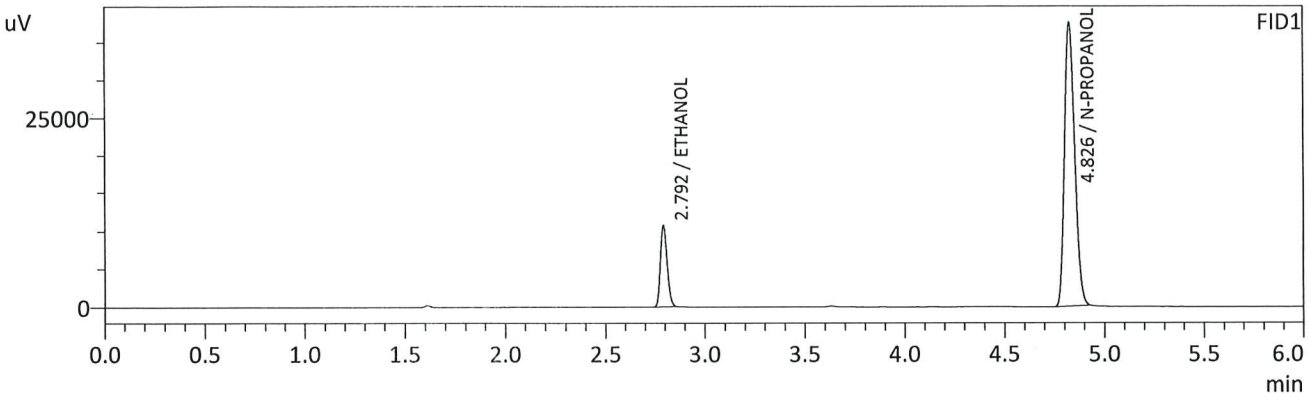Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	25276	10704
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	132486	37349
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0807	g/100cc	25299	12454
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135472	50656
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: QC2-1 | | | | Analysis Date(s): 9/1/2023 3:39:44 PM(-06:00) | | |

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2029	0.2021	0.0008	0.2025	0.0004	0.2023
(g/100cc)	0.2024	0.2019	0.0005	0.2021		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_083123_RC.gcm

Reporting of Results		Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)		Low	High	5 % of Mean
0.202		0.191	0.213	0.011

		Reported Results	
Column 1 FID A	Column 2 FID B	0.202	

Calibration and control data are stored centrally.

Sample Name   : QC2-1
Vial #   : 26
Data Filename   : QC2-1_912023_026.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 3:39:44 PM
Date Processed   : 9/1/2023 3:45:46 PM
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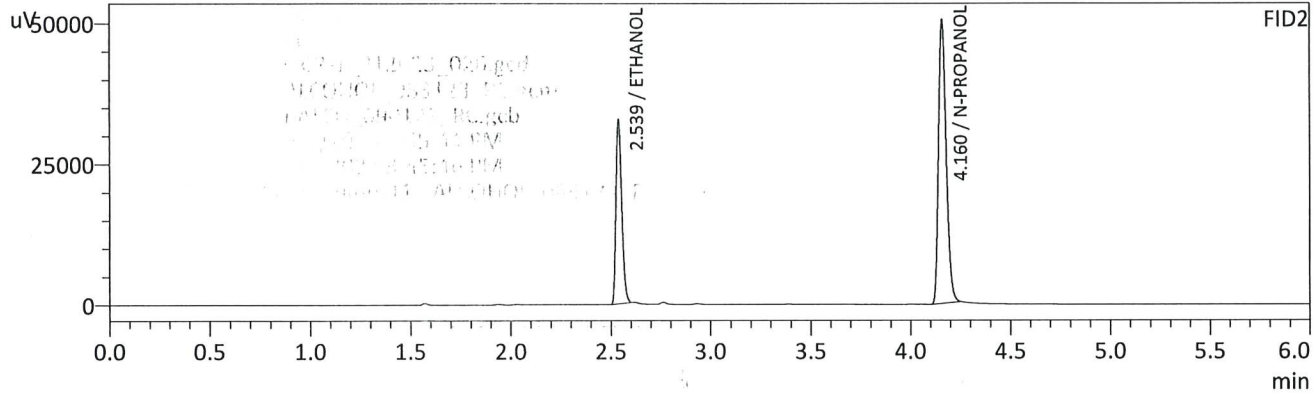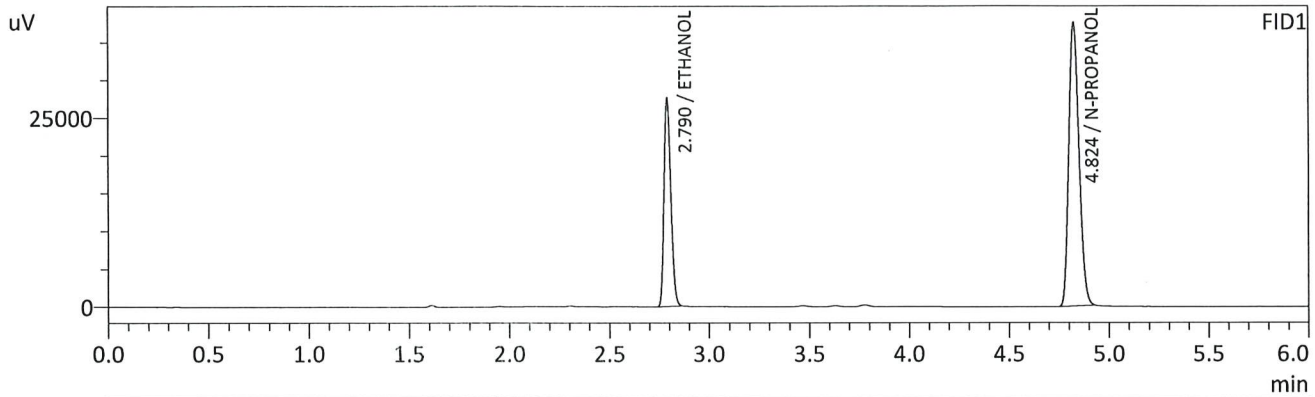
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2029	g/100cc	64870	27409
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	132448	37540
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2021	g/100cc	65836	32244
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135161	50366
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC2-1-B
Vial # : 27
Data Filename : QC2-1-B_912023_027.gcd
Method Filename : ALCOHOL_083123_RC.gcm
Batch Filename : BATCH_090123_RC.gcb
Date Acquired : 9/1/2023 3:49:02 PM
Date Processed : 9/1/2023 3:55:03 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

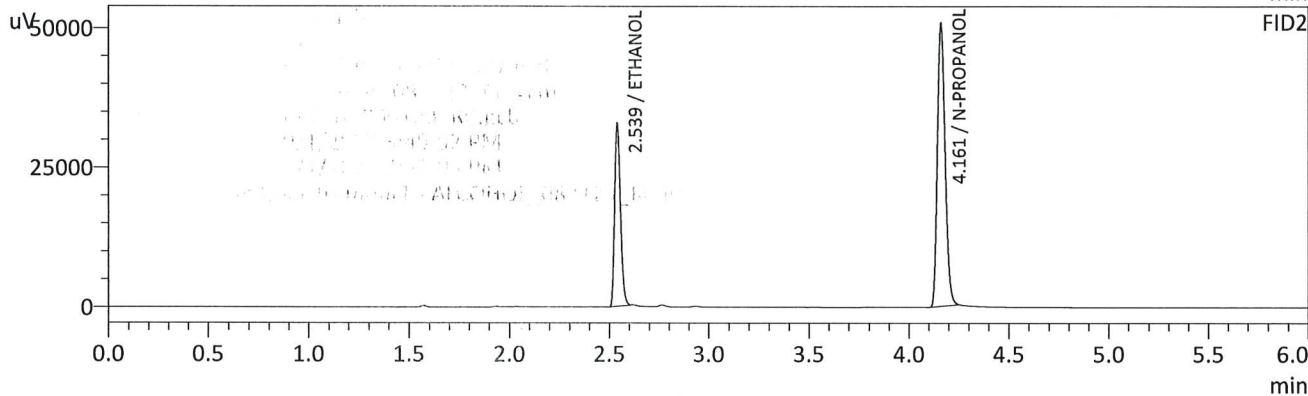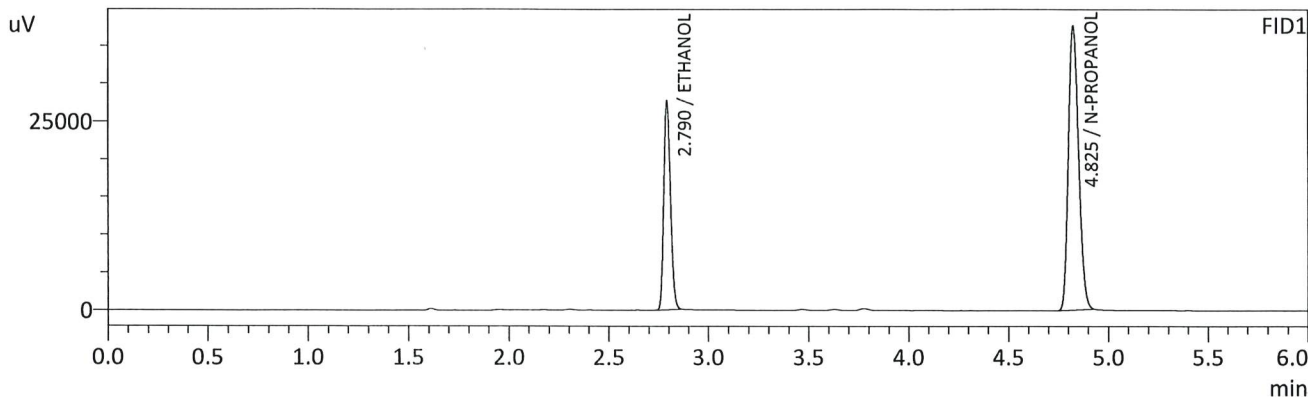### FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2024	g/100cc	65049	27445
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	133134	37564
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2019	g/100cc	66042	32323
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135757	50745
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2				Analysis Date(s): 9/1/2023 7:08:56 PM(-06:00)		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0885	0.0885	0.0000	0.0885	0.0003	0.0886
(g/100cc)	0.0888	0.0888	0.0000	0.0888		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_083123_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.088	0.083	0.093	0.005

	Reported Results	
	0.088	

Calibration and control data are stored centrally.

Sample Name : QC1-2
Vial # : 48
Data Filename : QC1-2_912023_048.gcd
Method Filename : ALCOHOL_083123_RC.gcm
Batch Filename : BATCH_090123_RC.gcb
Date Acquired : 9/1/2023 7:08:56 PM
Date Processed : 9/1/2023 7:14:59 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm
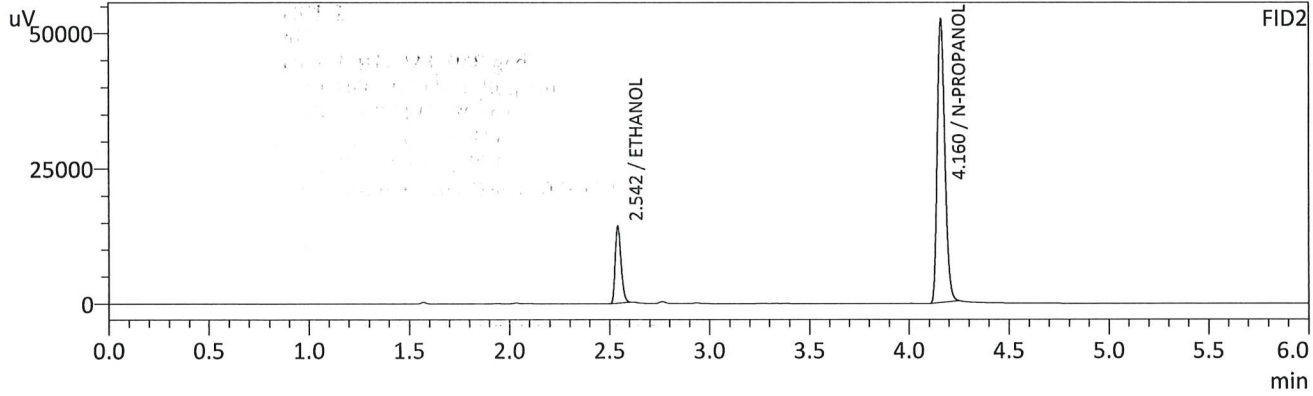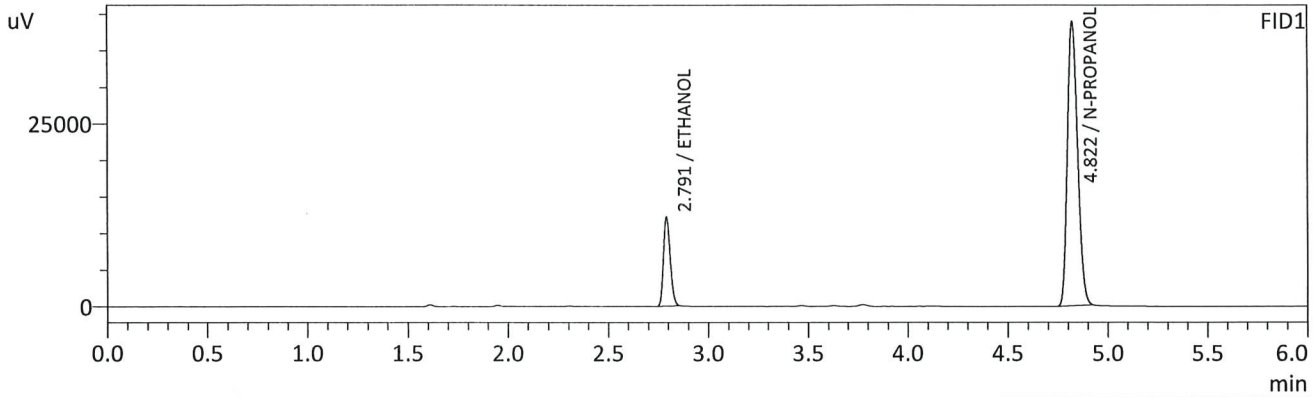
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0885	g/100cc	28745	12060
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	136705	38856
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0885	g/100cc	28828	14208
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	139894	52368
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-2-B
Vial #   : 49
Data Filename   : QC1-2-B_912023_049.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 7:18:45 PM
Date Processed   : 9/1/2023 7:24:47 PM
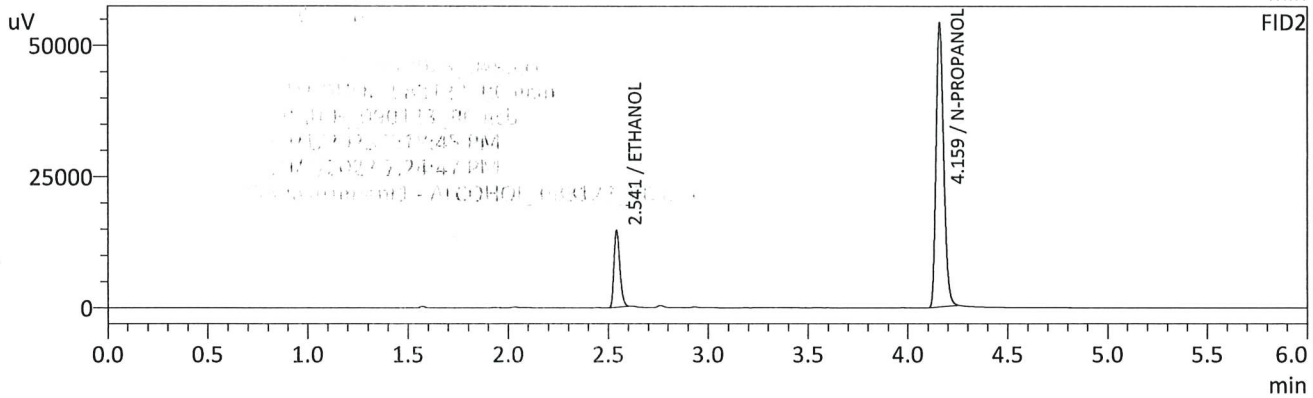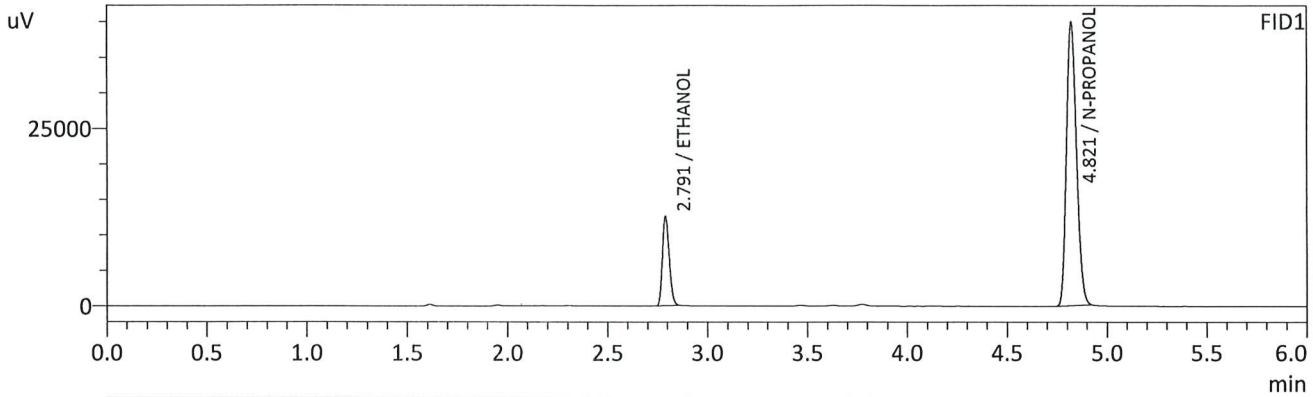Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0888	g/100cc	29618	12442
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	140364	39710
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0888	g/100cc	29699	14642
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	143671	53678
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 3
Vial #   : 50
Data Filename   : INT STD BLK 3_912023_050.gcd
Method Filename   : ALCOHOL_083123_RC.gcm
Batch Filename   : BATCH_090123_RC.gcb
Date Acquired   : 9/1/2023 7:28:12 PM
Date Processed   : 9/1/2023 7:34:12 PM
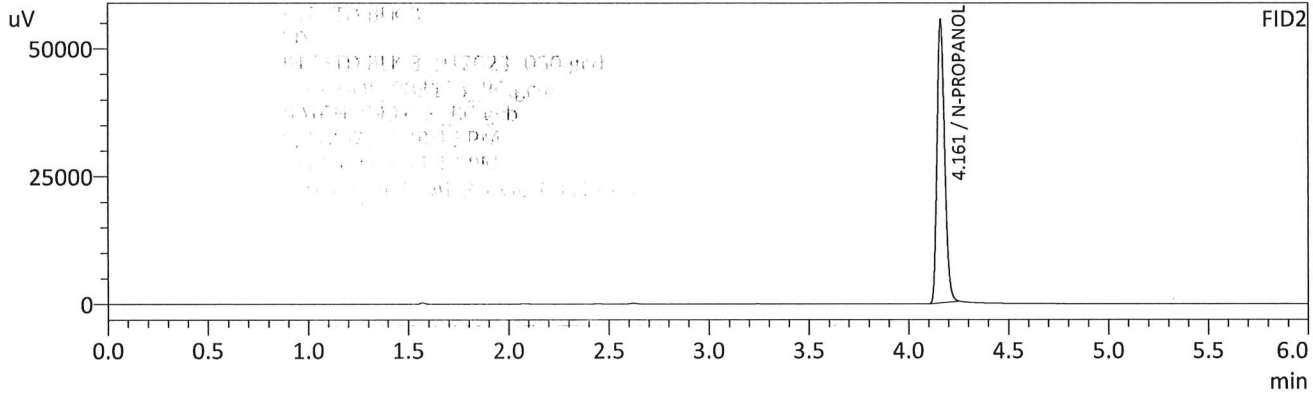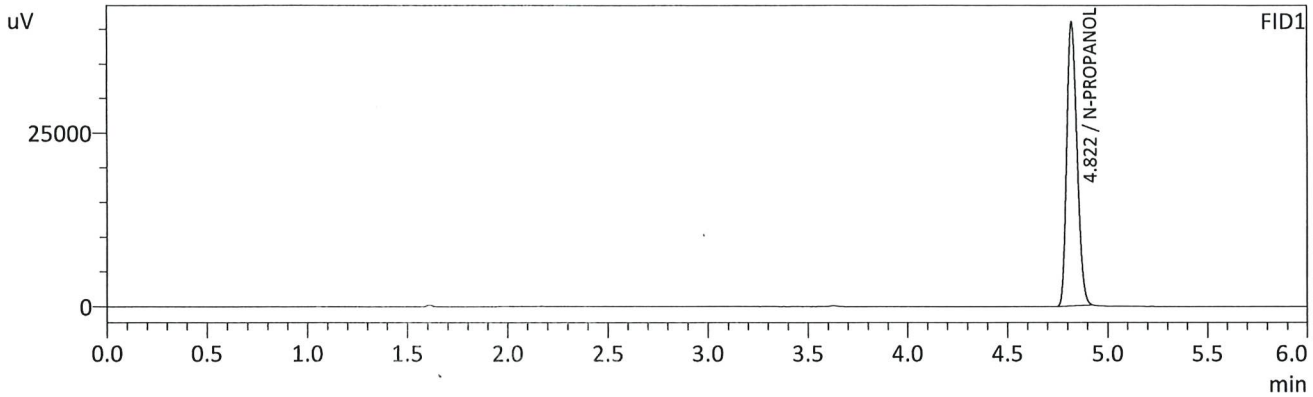Default Project - G1KG333-Instrument1 - ALCOHOL_083123_RC.gcm

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	143990	40911
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	147358	55436
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	INT STD BLK 1	0:Unknown	ALCOHOL_083123_RC.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_083123_RC.gcm	MULTI-COMP MIX_1292021_001.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL_083123_RC.gcm		0
4	QC1-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
5	QC1-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
6	0.08 QA	0:Unknown	ALCOHOL_083123_RC.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL_083123_RC.gcm		0
8	P2023-2621-2	0:Unknown	ALCOHOL_083123_RC.gcm		0
9	P2023-2621-2-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
10	P2023-2625-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
11	P2023-2625-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
12	P2023-2626-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
13	P2023-2626-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
14	P2023-2627-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
15	P2023-2627-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
16	P2023-2628-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
17	P2023-2628-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
18	P2023-2629-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
19	P2023-2629-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
20	P2023-2635-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
21	P2023-2635-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
22	P2023-2647-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
23	P2023-2647-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
24	P2023-2656-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
25	P2023-2656-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
26	QC2-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
27	QC2-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
28	P2023-2658-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
29	P2023-2658-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
30	P2023-2665-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
31	P2023-2665-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
32	P2023-2673-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
33	P2023-2673-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
34	P2023-2681-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
35	P2023-2681-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
36	P2023-2689-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
37	P2023-2689-1-B	0:Unknown	ALCSOHOL_083123_RC.gcm		0
38	P2023-2690-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
39	P2023-2690-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
40	P2023-2703-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
41	P2023-2703-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
42	P2023-2704-1	0:Unknown	ALCOHOL_083123_RC.gcm		1
43	P2023-2704-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
44	P2023-2705-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
45	P2023-2705-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
46	P2023-2706-1	0:Unknown	ALCOHOL_083123_RC.gcm		0
47	P2023-2706-1-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
48	QC1-2	0:Unknown	ALCOHOL_083123_RC.gcm		0
49	QC1-2-B	0:Unknown	ALCOHOL_083123_RC.gcm		0
50	INT STD BLK 3	0:Unknown	ALCOHOL_083123_RC.gcm		0

Default Project - BATCH_090123_RC.gcb