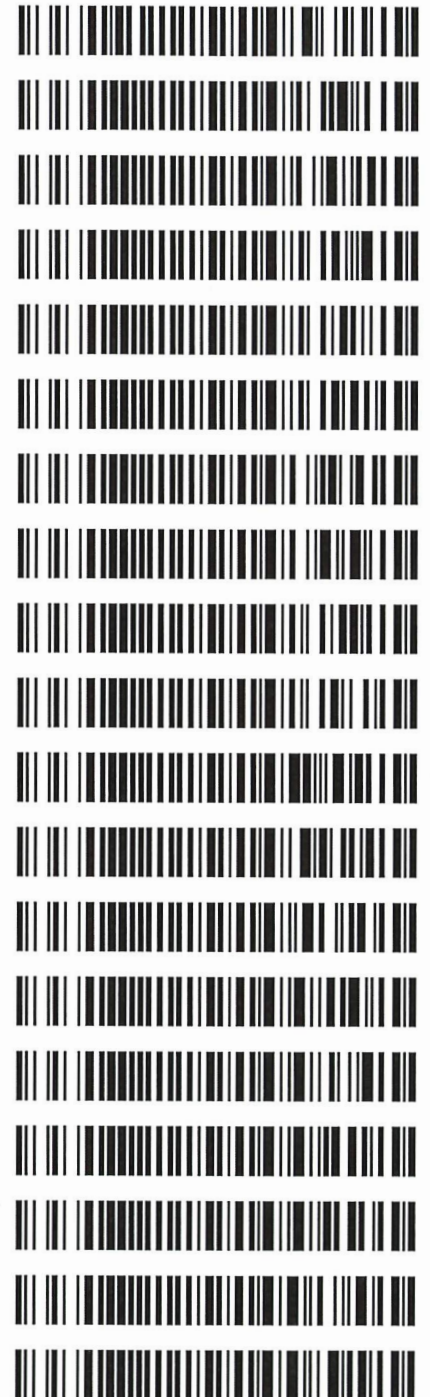


Worklist: 6418

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2023-2532	2	UCK	Alcohol Analysis
P2023-1824	1	BCK	Alcohol Analysis
P2023-1832	1	BCK	Alcohol Analysis
P2023-1836	1	BCK	Alcohol Analysis
P2023-1837	1	BCK	Alcohol Analysis
P2023-1838	1	BCK	Alcohol Analysis
P2023-1877	1	BCK	Alcohol Analysis
P2023-1880	1	BCK	Alcohol Analysis
P2023-1883	1	BCK	Alcohol Analysis
P2023-1884	1	BCK	Alcohol Analysis
P2023-1886	1	BCK	Alcohol Analysis
P2023-1898	1	BCK	Alcohol Analysis
P2023-1900	1	BCK	Alcohol Analysis
P2023-1911	1	BCK	Alcohol Analysis
P2023-1916	1	BCK	Alcohol Analysis
P2023-1917	1	BCK	Alcohol Analysis
P2023-1918	1	BCK	Alcohol Analysis
P2023-1942	1	BCK	Alcohol Analysis
P2023-1944	1	BCK	Alcohol Analysis



REVIEWED

By Jeremy Johnston at 7:26 am, Jul 03, 2023

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):

06-29-2023

Calibration Date: (if different) :

Worklist #:

6418

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0726 g/100cc	
					0.0791 g/100cc	
					g/100cc	
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2129 g/100cc	
					g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK	
Curve Fit:			Column 1	0.99994	Column2	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	0.0510	0.0516	0.0006	0.0513
100	0.100	0.090 - 0.110	0.1005	0.1003	0.0002	0.1004
200	0.200	0.180 - 0.220	0.1988	0.1983	0.0005	0.1985
300	0.300	0.270 - 0.330	0.2984	0.2980	0.0004	0.2982
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5012	0.5015	0.0003	0.5013

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

Internal Standard Monitoring Worksheet

Worklist #:	6418	Run Date(s):	06-29-2023
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Internal Standard Solution:	Prep Date: 6/28/2023	Exp Date: 12/28/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	155729	160847
0.080	156614	162002
QC1	157444	162732
QC1	158202	163463
QC1	163090	168738
QC1	168956	174775
QC1		
QC1		
QC2	155165	159960
QC2	157368	162387
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	159071.0	127256.8	190885.2
Column 2	164363.0	131490.4	197235.6

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Calibration Table

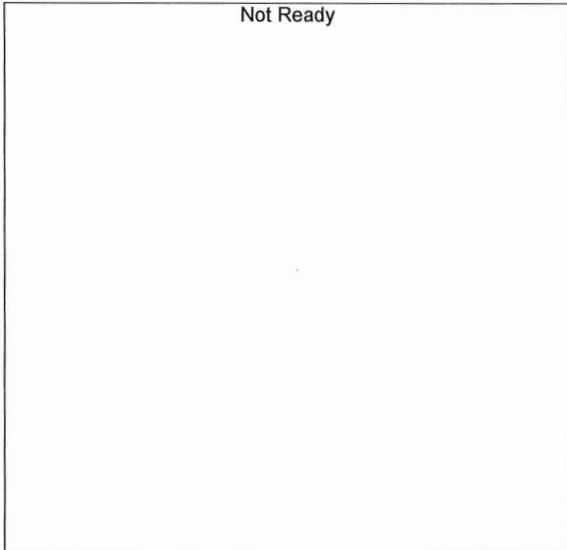
Laboratory: Pocatello
 Instrument Name : G1KG333-Instrument1

```
<<Data File>>
Method File      :Default Project - ALCOHOL_062923_RC.gcm
Batch File       :Default Project - BATCH_062923_RC.gcb
Date Acquired    :6/29/2023 12:38:10 PM
Date Created     :6/29/2023 12:34:42 PM
Date Modified    :6/30/2023 8:13:24 AM
```



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

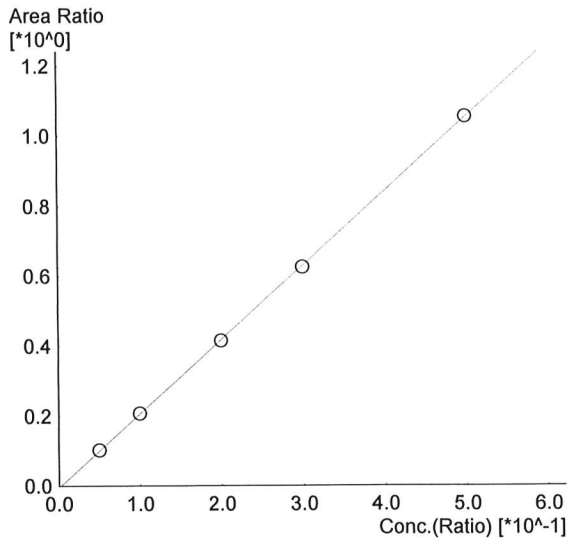
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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

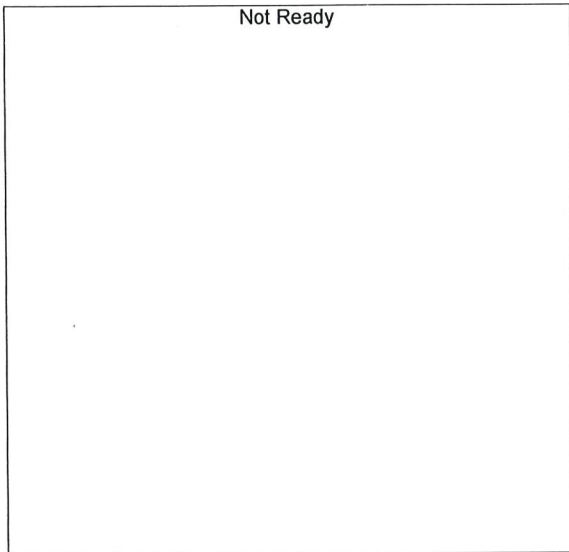
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

RC



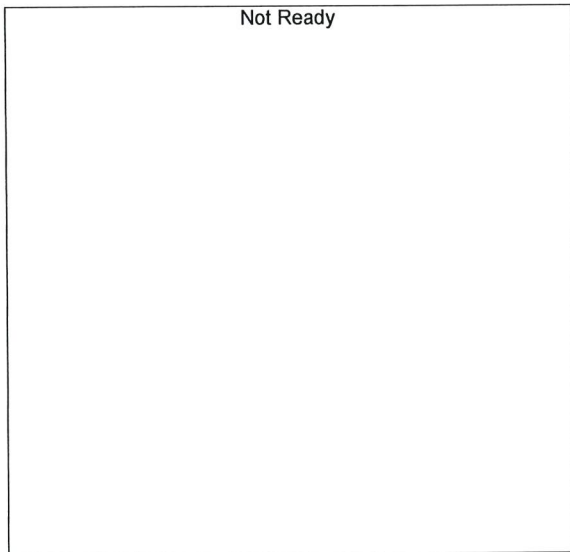
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.11258*x-0.00513995$
 R² value= 0.9999482 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15697	0.0510	0.050_6292023_001.gcd
2	0.100	32182	0.1005	0.100_6292023_002.gcd
3	0.200	65067	0.1988	0.200_6292023_003.gcd
4	0.300	98496	0.2984	0.300_6292023_004.gcd
5	0.500	166273	0.5012	0.500_6292023_005.gcd



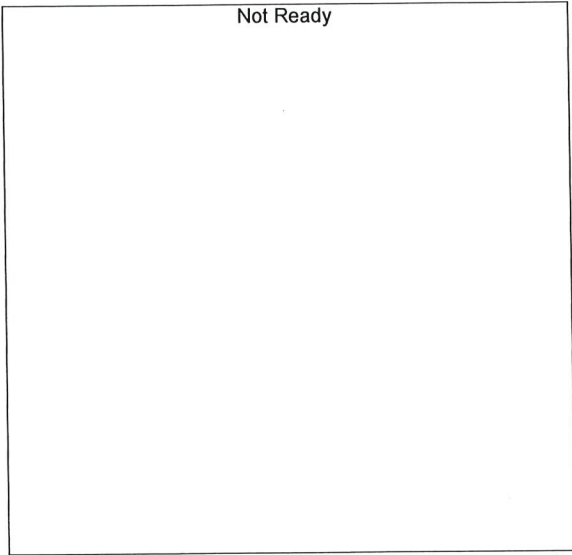
Name : ISOPROPYL ALCOHOL
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



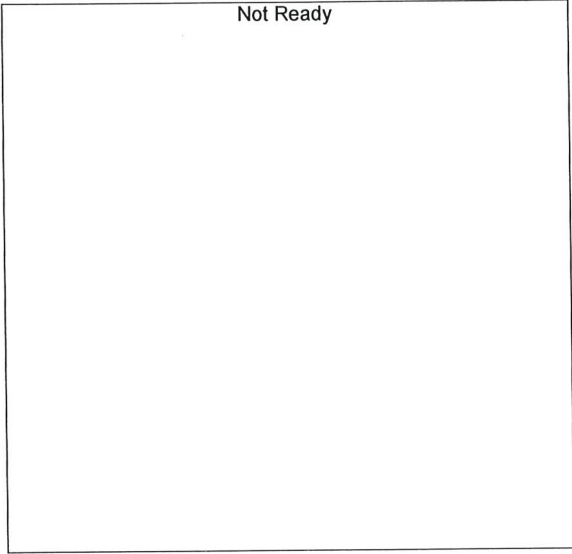
Name : ACETONE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



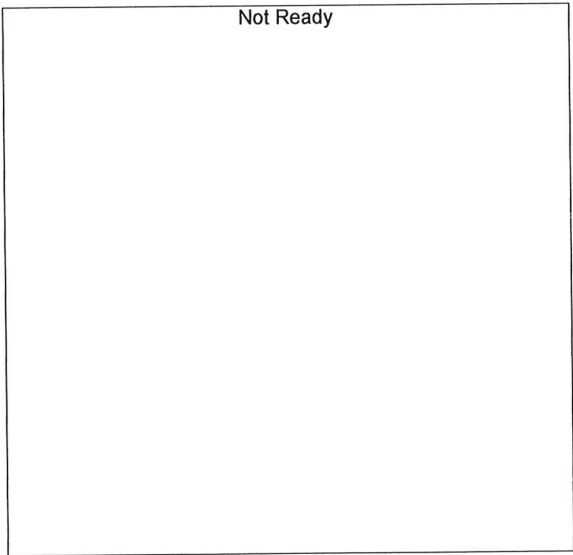
Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



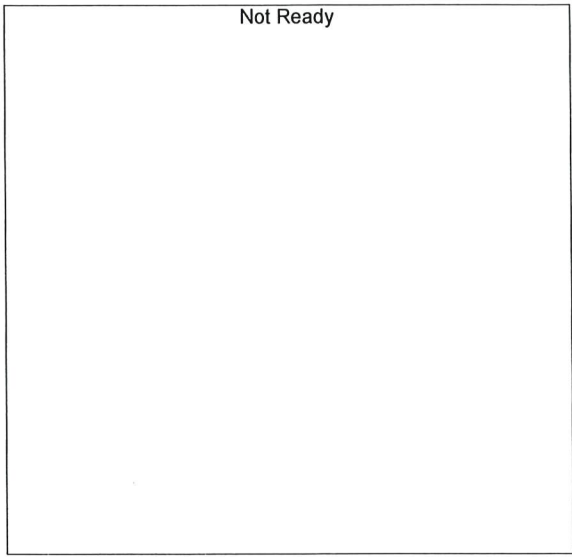
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



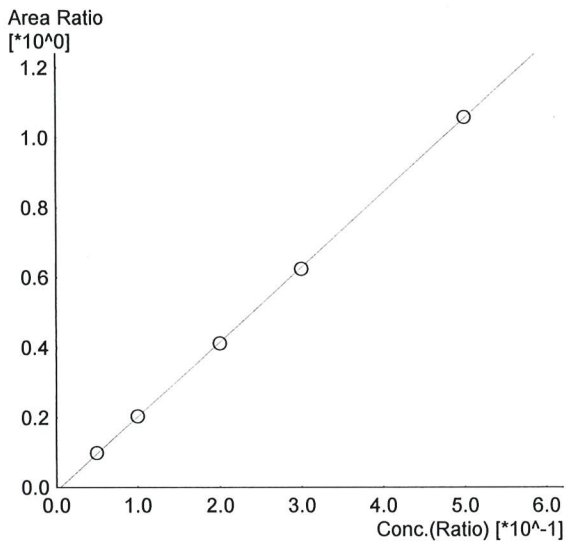
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



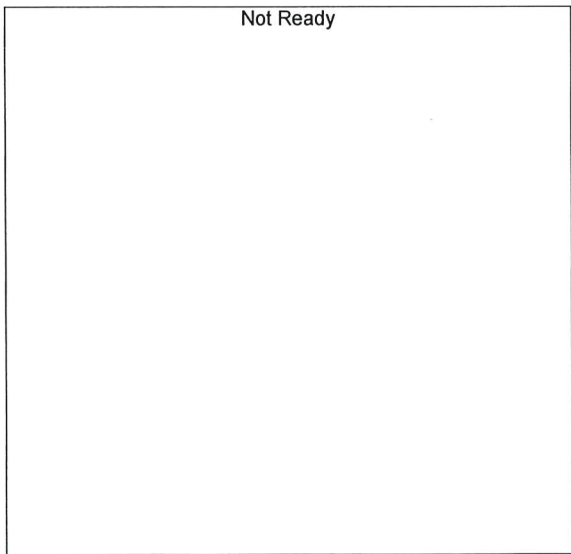
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.13110*x-0.0108286$
 R^2 value= 0.9999101 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15667	0.0516	0.050_6292023_001.gcd
2	0.100	32501	0.1003	0.100_6292023_002.gcd
3	0.200	66540	0.1983	0.200_6292023_003.gcd
4	0.300	101140	0.2980	0.300_6292023_004.gcd
5	0.500	171495	0.5015	0.500_6292023_005.gcd



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

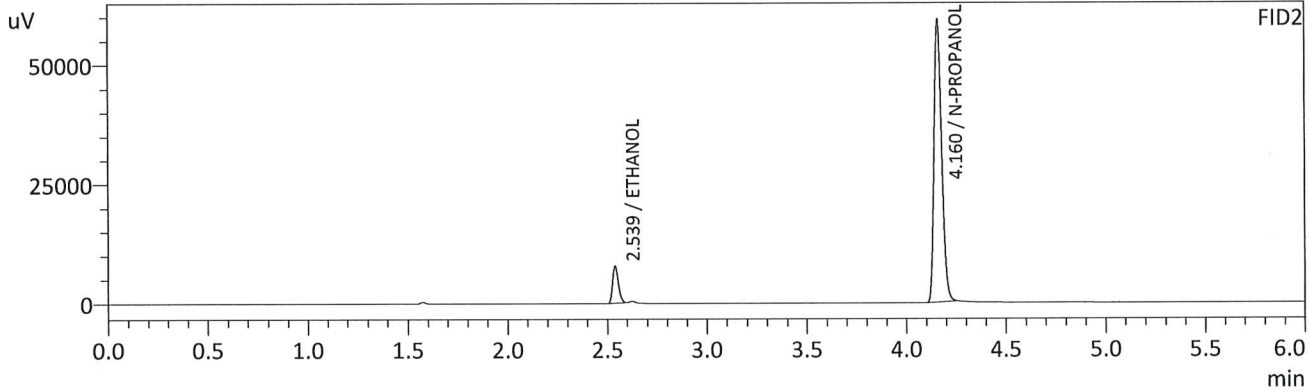
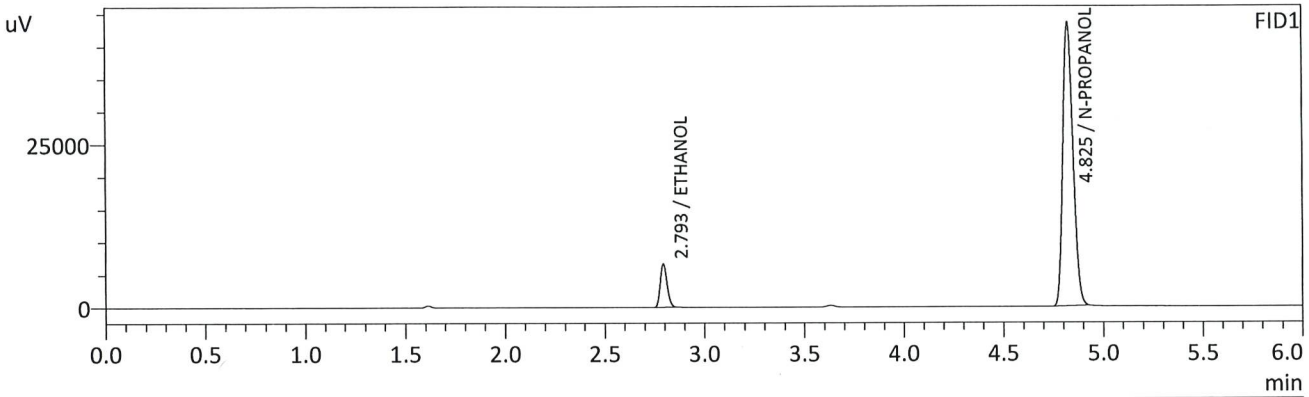
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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_6292023_001.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 12:00:03 PM
 Date Processed : 6/30/2023 8:13:09 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



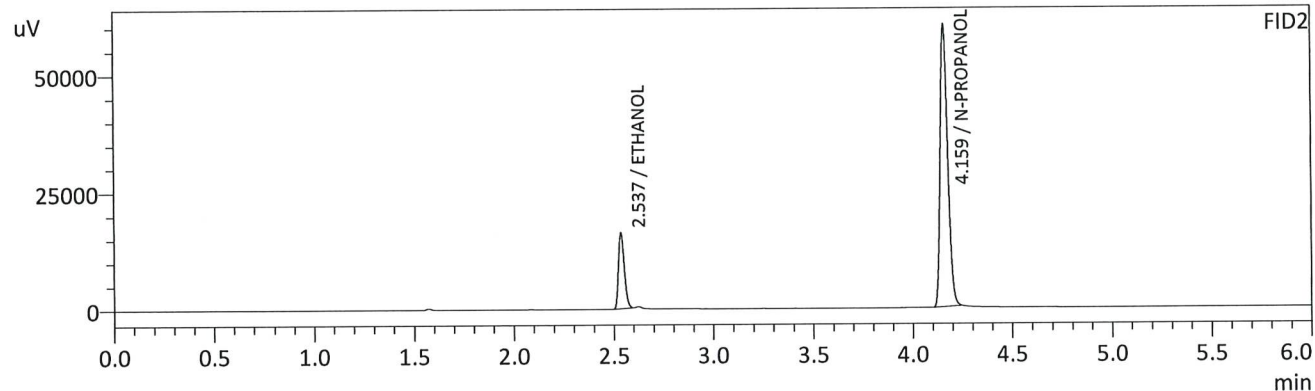
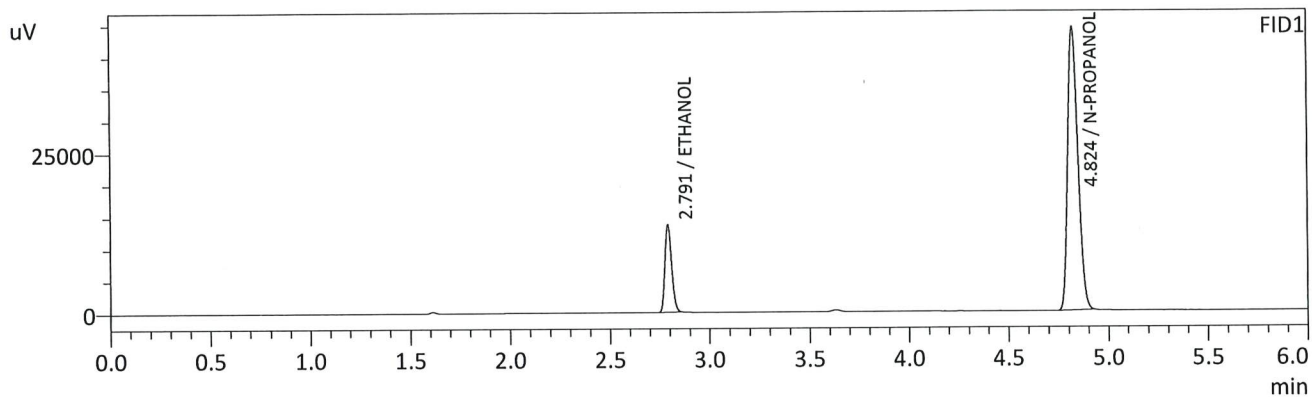
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0510	g/100cc	15697	6639
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152977	43410
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0516	g/100cc	15667	7657
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158008	59041
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_6292023_002.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 12:09:33 PM
 Date Processed : 6/30/2023 8:13:14 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

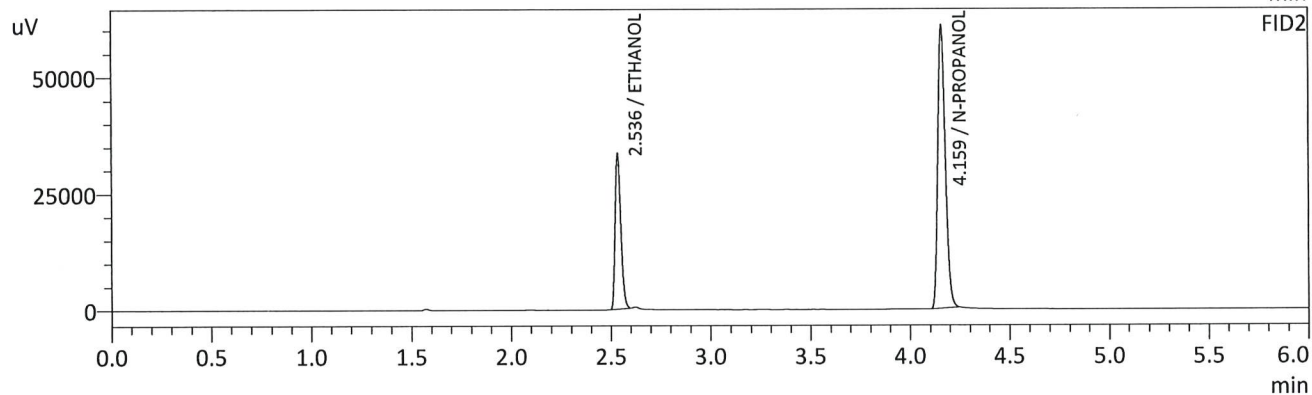
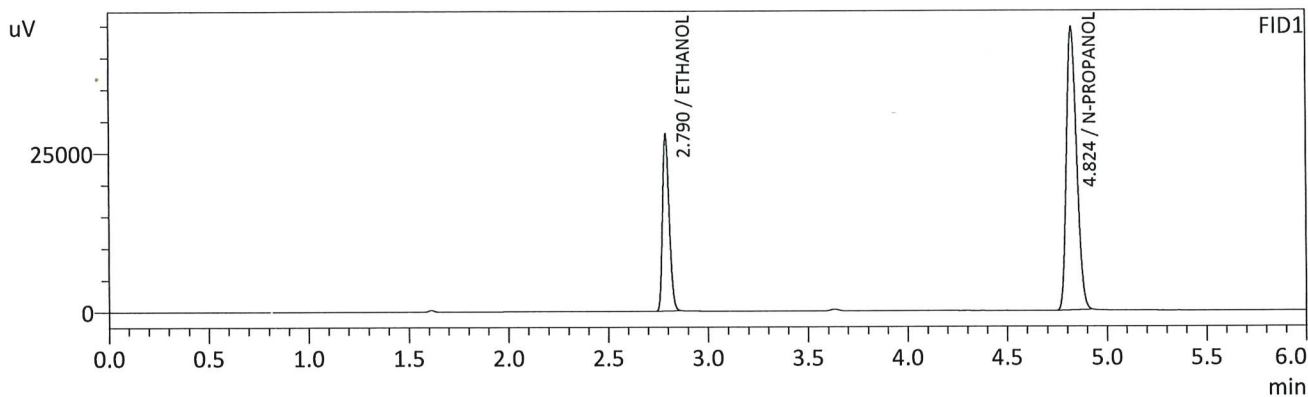
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1005	g/100cc	32182	13582
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155287	44215
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	32501	16186
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160061	59844
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_6292023_003.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 12:18:54 PM
 Date Processed : 6/30/2023 8:13:17 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

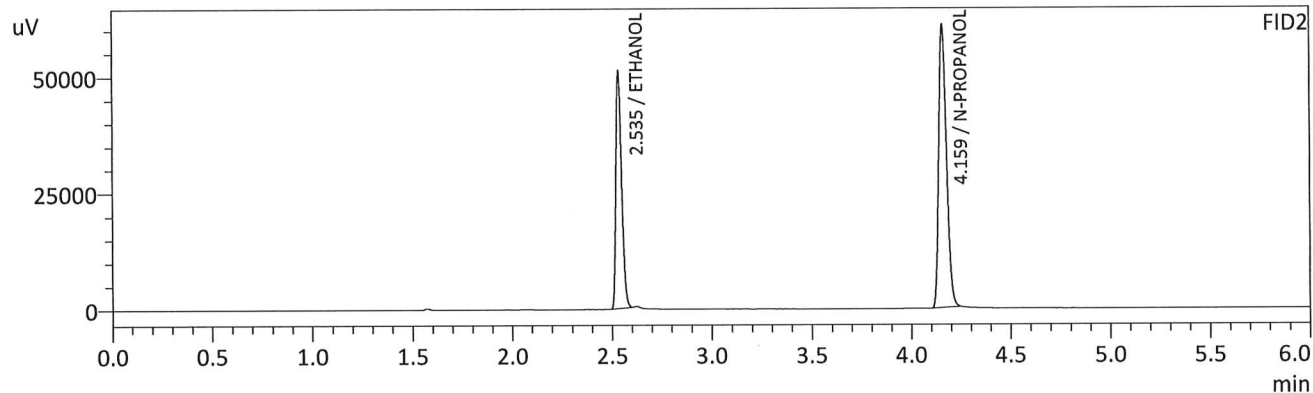
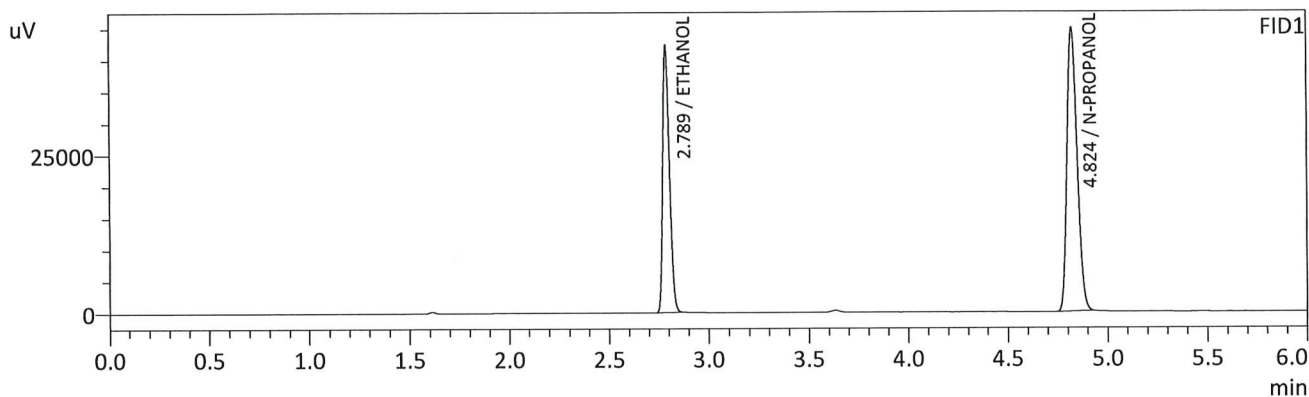
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1988	g/100cc	65067	27724
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156810	44549
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1983	g/100cc	66540	33272
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161520	60374
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_6292023_004.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 12:28:38 PM
 Date Processed : 6/30/2023 8:13:20 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

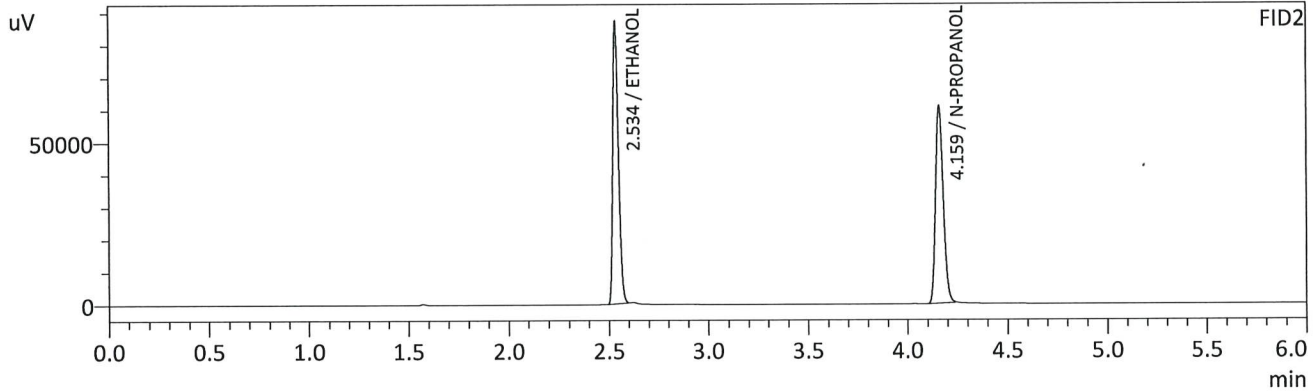
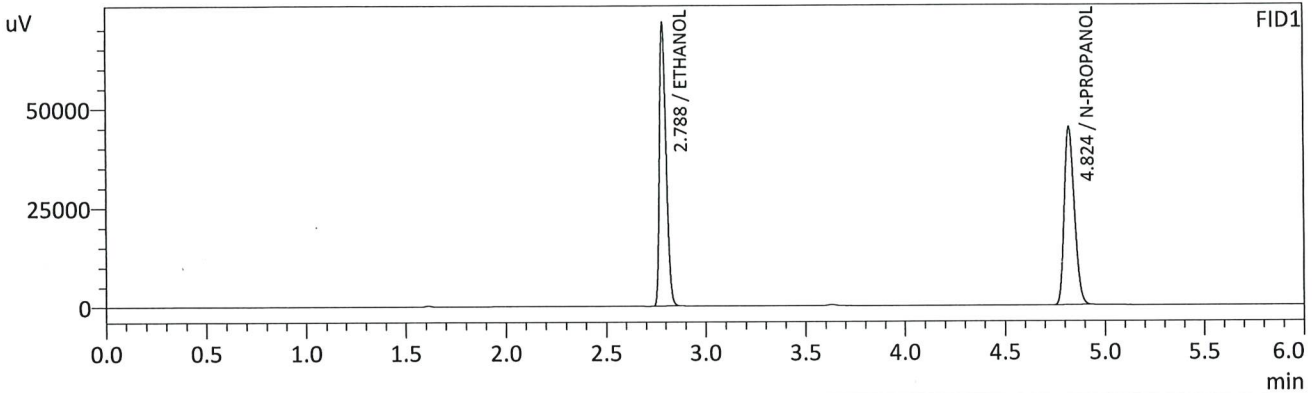
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2984	g/100cc	98496	42159
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157529	44833
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2980	g/100cc	101140	50306
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161983	60504
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_6292023_005.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 12:38:10 PM
 Date Processed : 6/30/2023 8:13:24 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

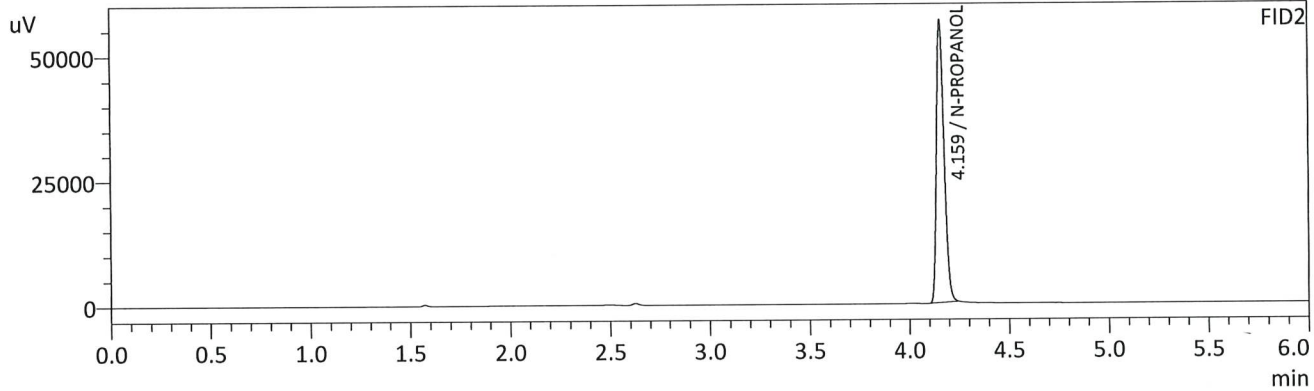
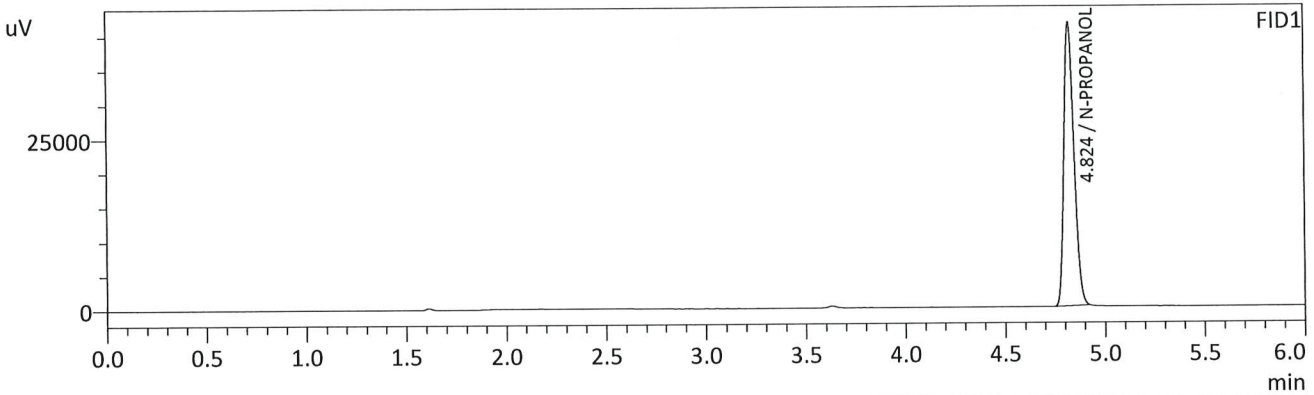
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5012	g/100cc	166273	71472
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157798	44890
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5015	g/100cc	171495	85835
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162084	60440
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JRC

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_6292023_006.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 12:47:27 PM
 Date Processed : 6/29/2023 12:53:29 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

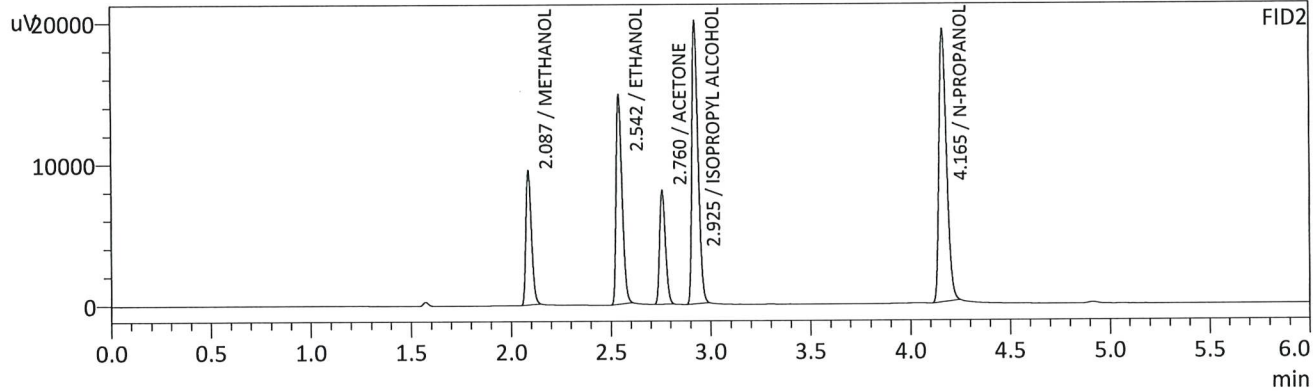
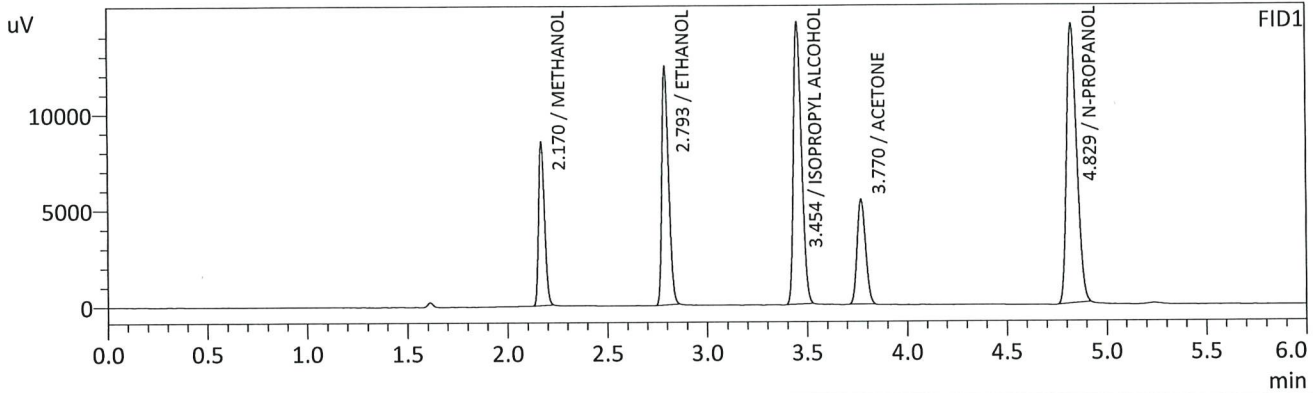
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	145803	41485
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	150665	56100
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_6292023_007.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 12:57:12 PM
 Date Processed : 6/29/2023 1:03:14 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

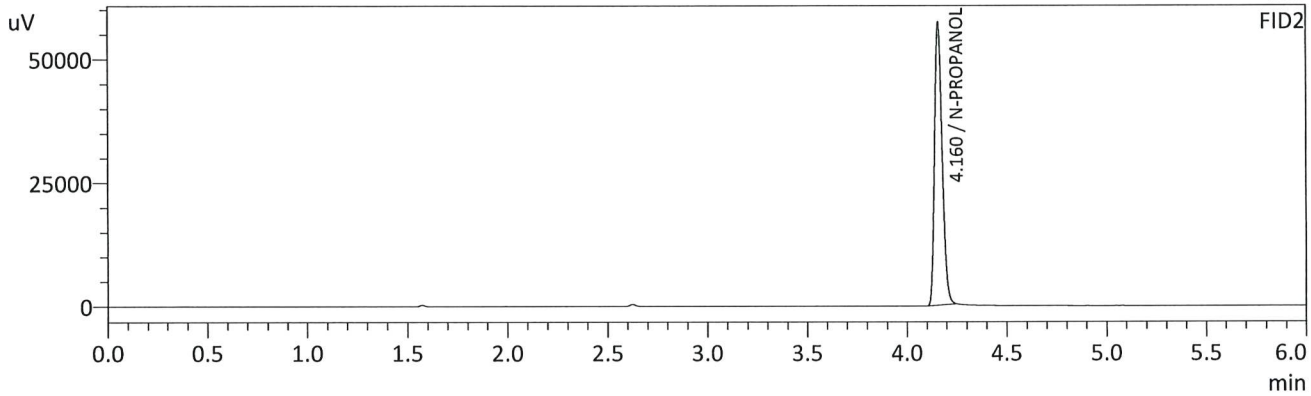
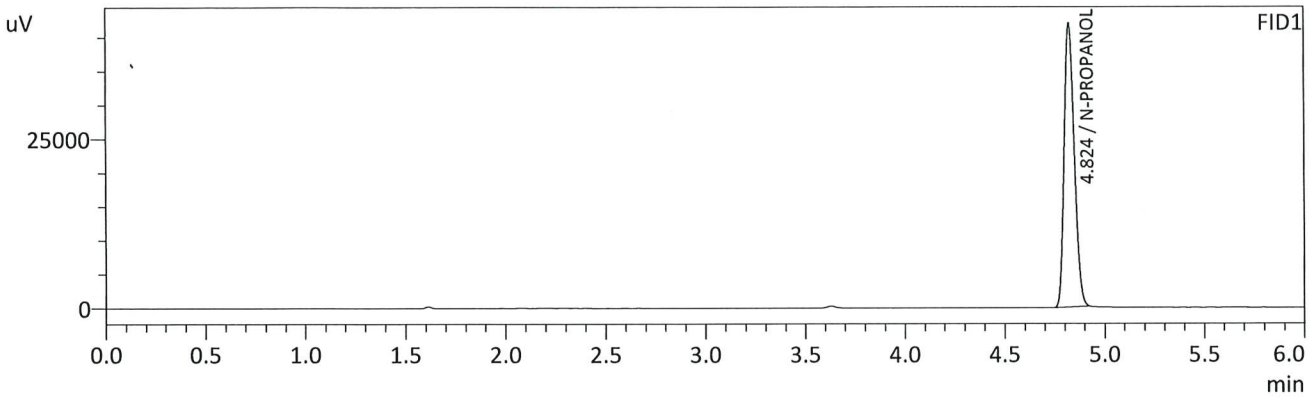
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	17568	8392
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2725	g/100cc	29156	12347
ISOPROPYL ALCOHOL	0.0000	g/100cc	41303	14530
ACETONE	0.0000	g/100cc	15596	5401
N-PROPANOL	0.0000	g/100cc	51096	14496
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	18209	9398
ETHANOL	0.2765	g/100cc	30004	14779
ACETONE	0.0000	g/100cc	16397	8000
ISOPROPYL ALCOHOL	0.0000	g/100cc	42685	19964
N-PROPANOL	0.0000	g/100cc	51870	19255
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_6292023_008.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 1:06:42 PM
 Date Processed : 6/29/2023 1:12:44 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_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	147639	41910
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	152311	57072
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 6/29/2023 1:16:00 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0728	0.0726	0.0002	0.0727	0.0002	0.0726
(g/100cc)	0.0726	0.0724	0.0002	0.0725		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

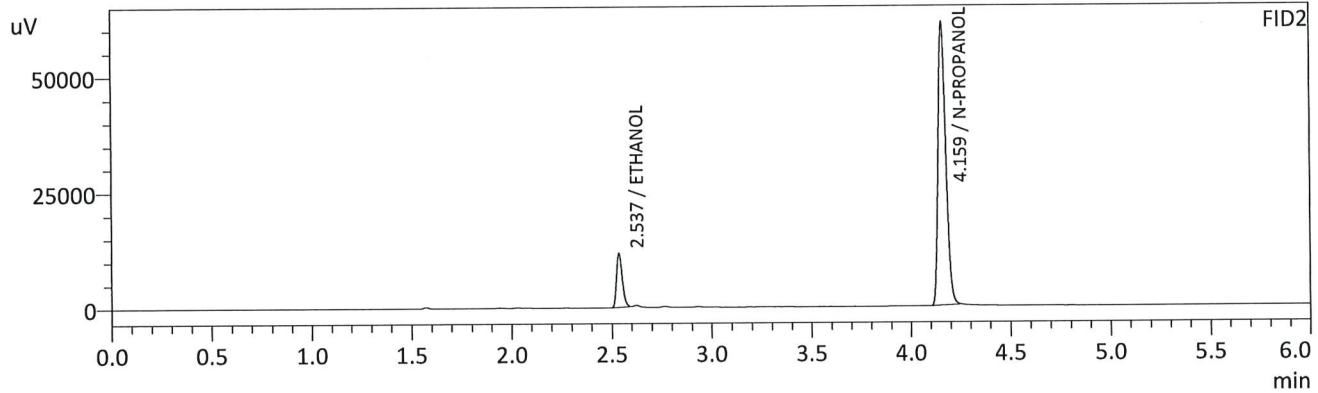
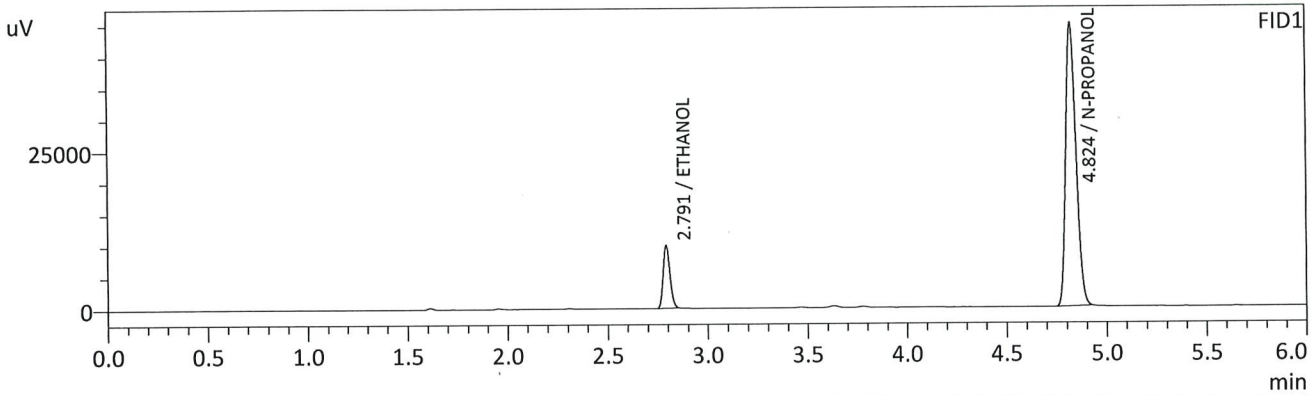
Refer To Instrument Method: ALCOHOL_062923_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.072	0.068	0.076	0.004

Reported Results	
0.072	

Calibration and control data are stored centrally.

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_6292023_009.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 1:16:00 PM
 Date Processed : 6/29/2023 1:22:02 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

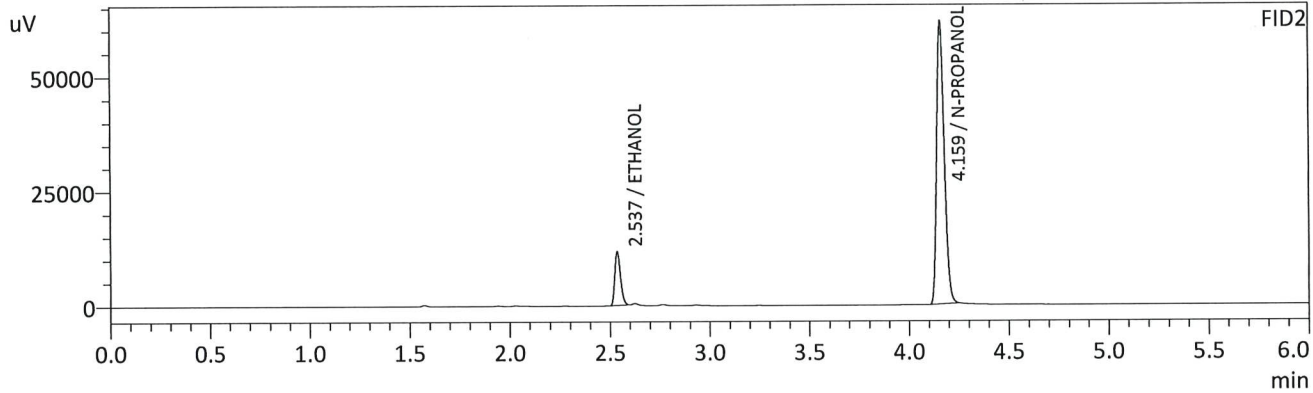
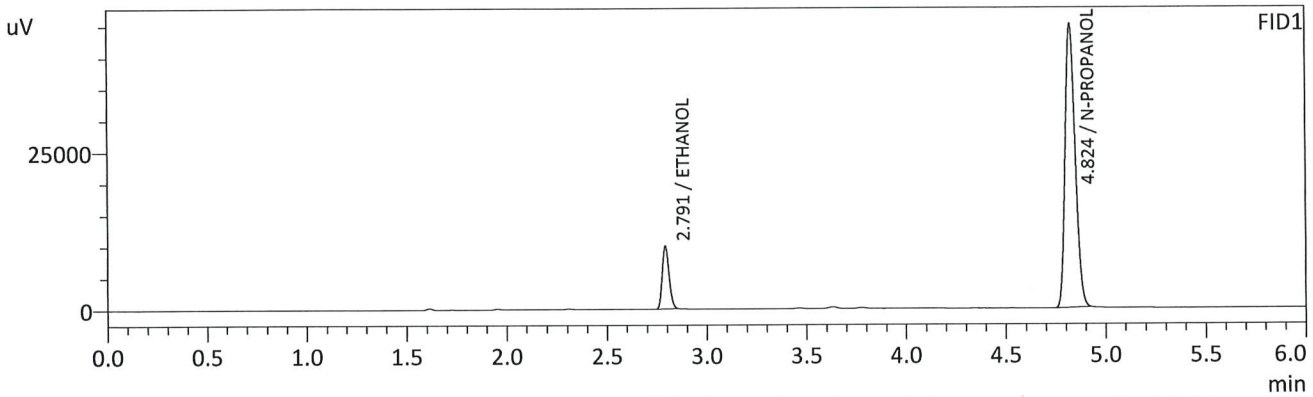
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0728	g/100cc	23432	9876
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157444	44901
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0726	g/100cc	23429	11665
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162732	60899
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_6292023_010.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 1:25:45 PM
 Date Processed : 6/29/2023 1:31:45 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0726	g/100cc	23467	9903
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158202	45050
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0724	g/100cc	23475	11681
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163463	61409
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CR

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 6/29/2023 1:35:16 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0810	0.0811	0.0001	0.0810	0.0002	0.0811
(g/100cc)	0.0812	0.0812	0.0000	0.0812		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

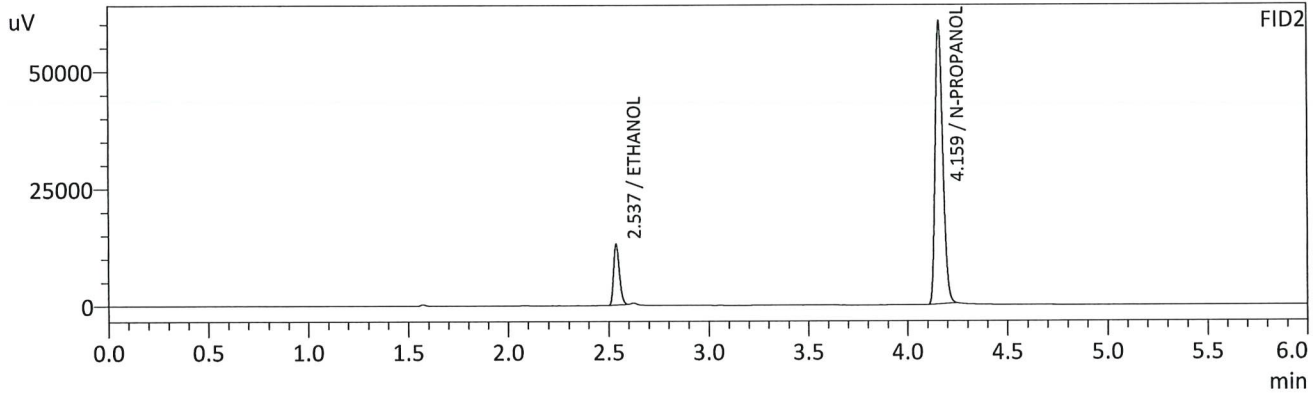
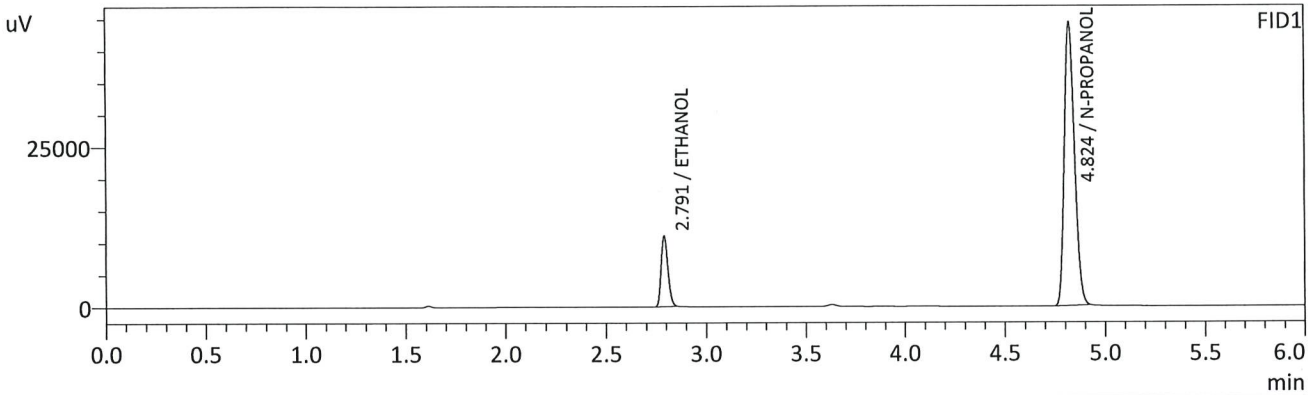
Refer To Instrument Method: ALCOHOL_062923_RC.gcm

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_6292023_011.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 1:35:16 PM
 Date Processed : 6/29/2023 1:41:17 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



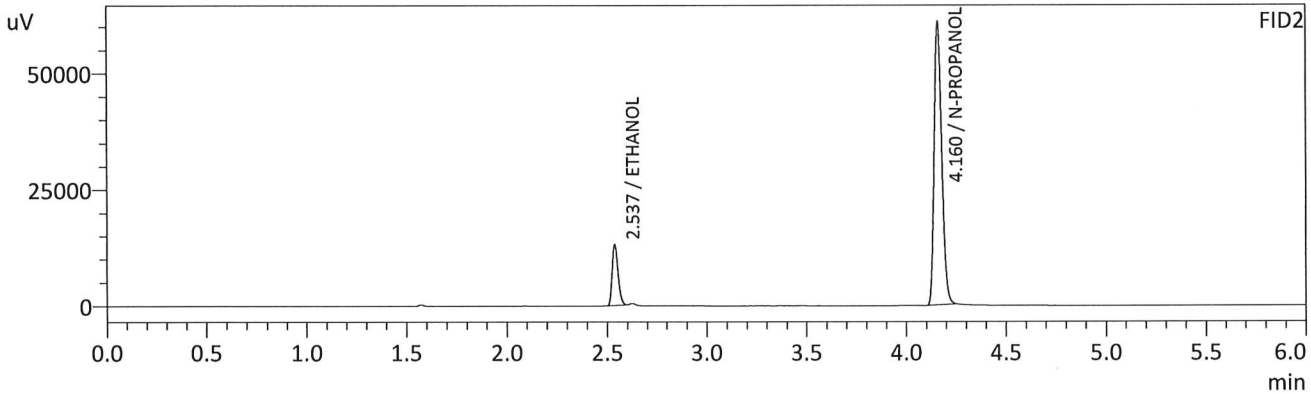
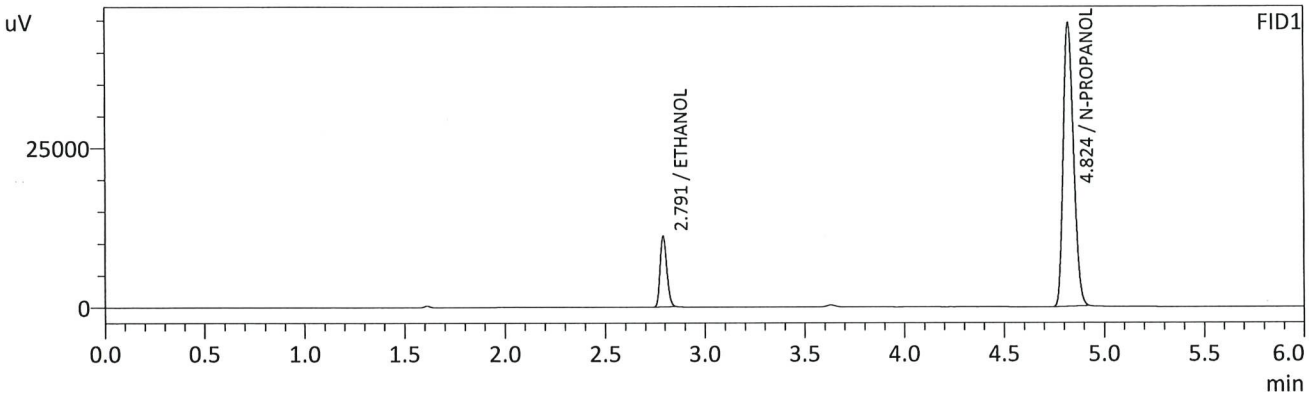
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	25856	10893
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155729	44292
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	26059	12981
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160847	60036
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_6292023_012.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 1:44:34 PM
 Date Processed : 6/29/2023 1:50:36 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	26077	10971
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156614	44476
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	26302	13068
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162002	60721
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1

Analysis Date(s): 6/29/2023 4:45:37 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2116	0.2123	0.0007	0.2119	0.0021	0.2129
(g/100cc)	0.2135	0.2145	0.0010	0.2140		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

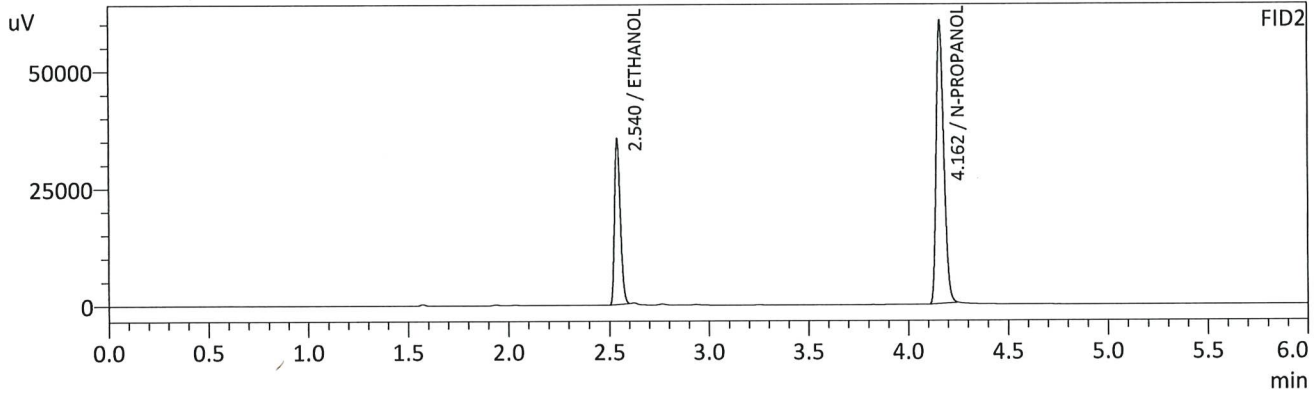
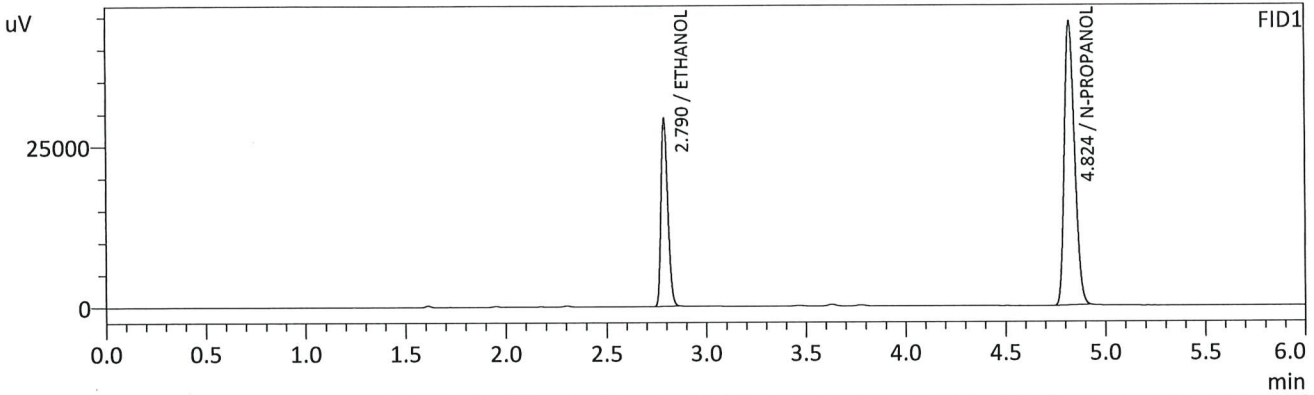
Refer To Instrument Method: ALCOHOL_062923_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.212	0.201	0.223	0.011

Reported Results	
0.212	

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_6292023_031.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 4:45:37 PM
 Date Processed : 6/29/2023 4:51:37 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

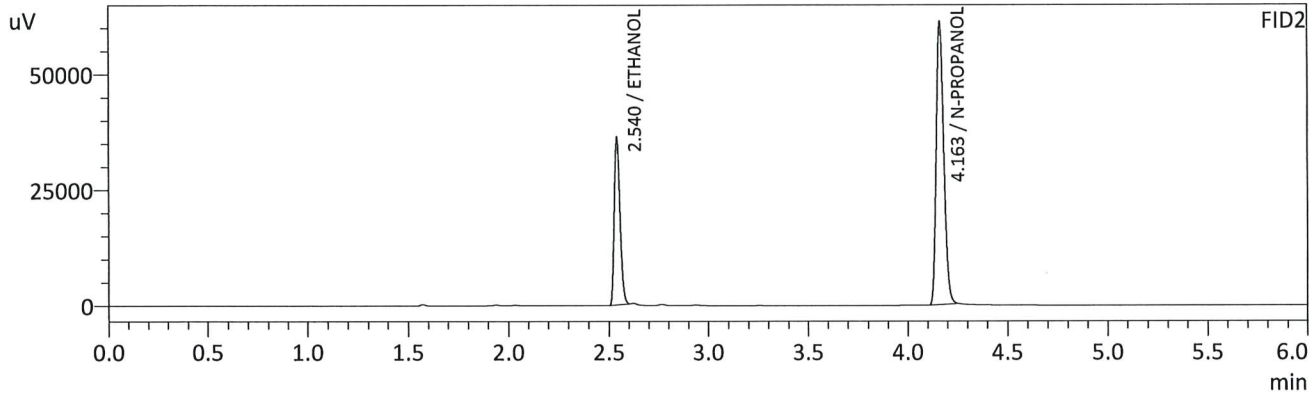
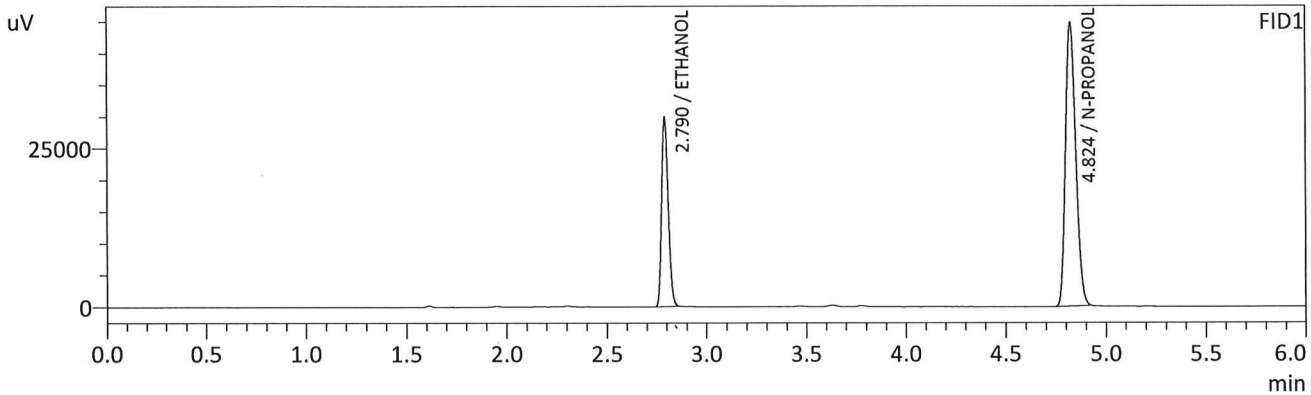
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2116	g/100cc	68593	29041
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155165	44083
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2123	g/100cc	70646	34987
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159960	60226
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_6292023_032.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 4:55:08 PM
 Date Processed : 6/29/2023 5:01:10 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2135	g/100cc	70193	29650
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157368	44728
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2145	g/100cc	72476	36096
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162387	60720
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 6/29/2023 8:15:02 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0785	0.0793	0.0008	0.0789	0.0005	0.0791
(g/100cc)	0.0789	0.0799	0.0010	0.0794		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

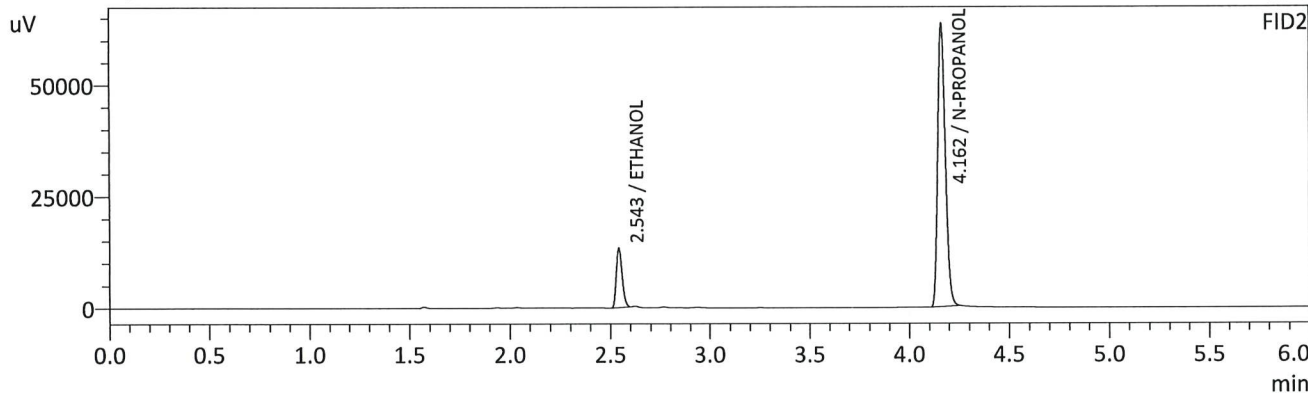
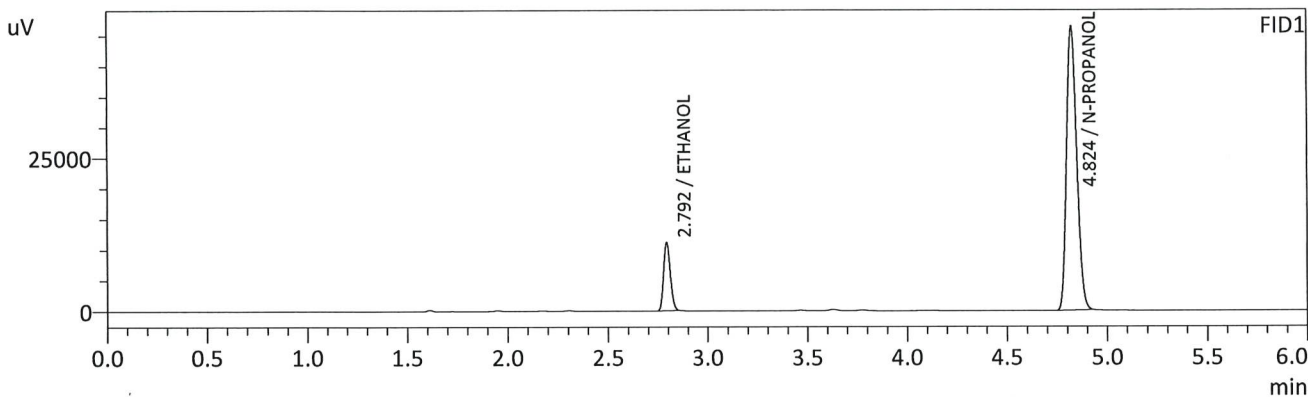
Refer To Instrument Method: ALCOHOL_062923_RC.gcm

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.

Sample Name : QC1-2
 Vial # : 53
 Data Filename : QC1-2_6292023_053.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 8:15:02 PM
 Date Processed : 6/29/2023 8:21:04 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

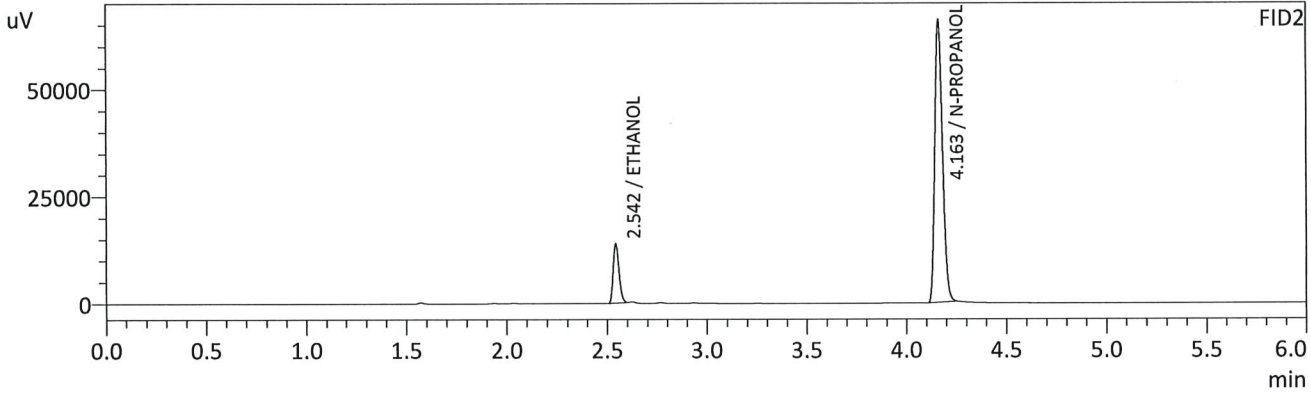
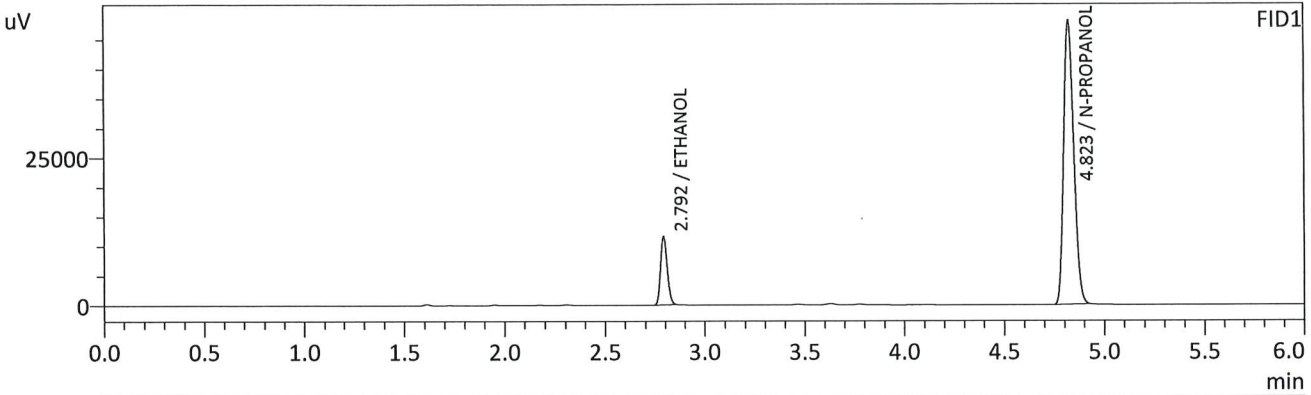
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0785	g/100cc	26231	11075
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163090	46378
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0793	g/100cc	26716	13230
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168738	63244
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_6292023_054.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 8:24:19 PM
 Date Processed : 6/29/2023 8:30:20 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_RC.gcm



FID1

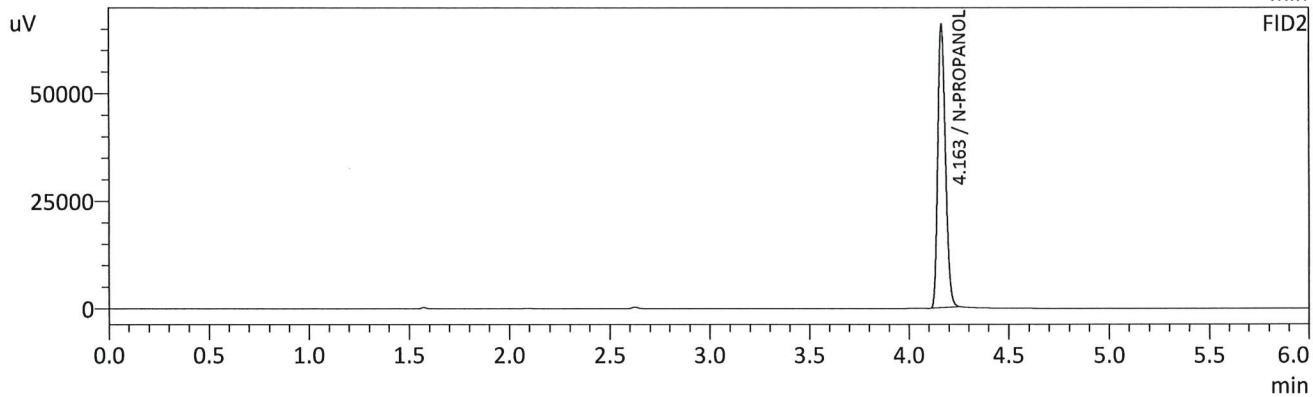
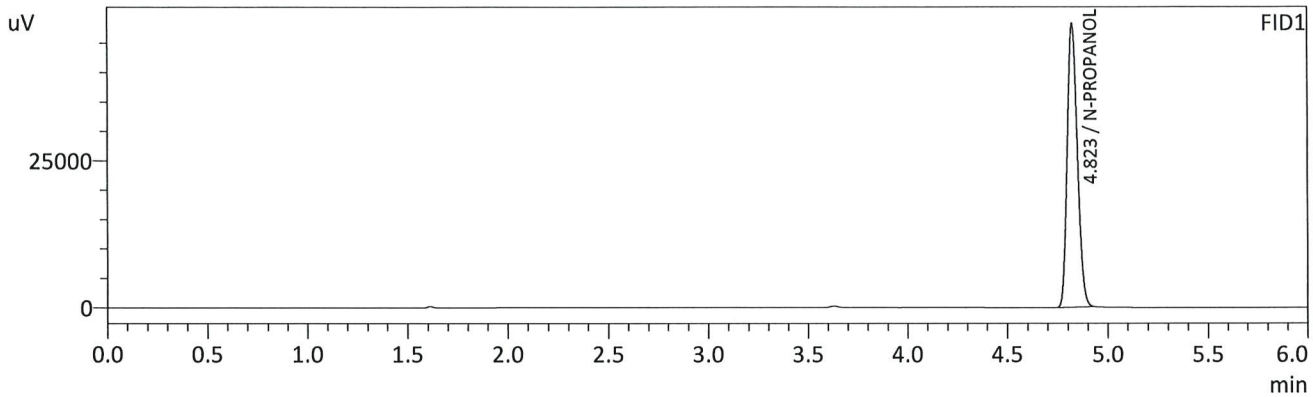
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0789	g/100cc	27324	11538
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168956	48127
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0799	g/100cc	27867	13812
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174775	65456
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_6292023_055.gcd
 Method Filename : ALCOHOL_062923_RC.gcm
 Batch Filename : BATCH_062923_RC.gcb
 Date Acquired : 6/29/2023 8:34:10 PM
 Date Processed : 6/29/2023 8:40:11 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_062923_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	168401	48209
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	174597	65318
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

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_062923_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_062923_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_062923_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_062923_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_062923_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_062923_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_062923_RC.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL_062923_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_062923_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_062923_RC.gcm		0
13	P2023-1824-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
14	P2023-1824-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
15	P2023-1832-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
16	P2023-1832-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
17	P2023-1836-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
18	P2023-1836-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
19	P2023-1837-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
20	P2023-1837-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
21	P2023-1838-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
22	P2023-1838-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
23	P2023-1877-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
24	P2023-1877-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
25	P2023-1880-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
26	P2023-1880-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
27	P2023-1883-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
28	P2023-1883-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
29	P2023-1884-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
30	P2023-1884-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
33	P2023-1886-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
34	P2023-1886-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
35	P2023-1898-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
36	P2023-1898-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
37	M2023-2532-1 <i>RC</i>	0:Unknown	ALCOHOL_062923_RC.gcm		0
38	M2023-2532-2-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
39	P2023-1900-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
40	P2023-1900-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
41	P2023-1911-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
42	P2023-1911-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
43	P2023-1916-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
44	P2023-1916-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
45	P2023-1917-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
46	P2023-1917-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
47	P2023-1918-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
48	P2023-1918-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
49	P2023-1942-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
50	P2023-1942-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
51	P2023-1944-1	0:Unknown	ALCOHOL_062923_RC.gcm		0
52	P2023-1944-1-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_062923_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_062923_RC.gcm		0
55	INT STD BLK 3	0:Unknown	ALCOHOL_062923_RC.gcm		0