

TS

8/19/2021

**Worklist: 5186**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-3228	1	BCK	Alcohol Analysis	<i>* Ran on 8-19-21 for Inhalants only and Toluene</i>
P2021-2575	1	BCK	Alcohol Analysis	
P2021-2577	1	BCK	Alcohol Analysis	
P2021-2578	1	BCK	Alcohol Analysis	
P2021-2582	1	BCK	Alcohol Analysis	
P2021-2583	1	BCK	Alcohol Analysis	
P2021-2584	1	BCK	Alcohol Analysis	
P2021-2609	1	BCK	Alcohol Analysis	
P2021-2614	2	BCK	Alcohol Analysis	
P2021-2615	1	BCK	Alcohol Analysis	
P2021-2654	1	BCK	Alcohol Analysis	
P2021-2655	1	BCK	Alcohol Analysis	
P2021-2674	1	BCK	Alcohol Analysis	
P2021-2676	1	BCK	Alcohol Analysis	
P2021-2685	1	BCK	Alcohol Analysis	
P2021-2686	1	BCK	Alcohol Analysis	
P2021-2687	1	BCK	Alcohol Analysis	
P2021-2696	1	BCK	Alcohol Analysis	
P2021-2707	2	BCK	Alcohol Analysis	

**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): 08/18/2021**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0765 g/100cc 0.0779 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2100 g/100cc g/100cc g/100cc
<b>Multi-Component mixture:</b>		<b>Lot #</b>	<b>FN06041902</b>		<b>ok</b>
<b>Curve Fit:</b>		<b>Column 1</b>	<b>0.99976</b>	<b>Column2</b>	<b>0.99956</b>

**Ethanol Calibration Reference Material**

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0527	0.0540	0.001	0.0533
100	0.100	0.090 - 0.110	0.1005	0.1003	0.0002	0.1004
200	0.200	0.180 - 0.220	0.1956	0.1943	0.0013	0.1949
300	0.300	0.270 - 0.330	0.2993	0.2988	0.0005	0.299
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5017	0.5025	0.0008	0.5021

**Aqueous Controls**

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

**REVIEWED**

By RCutler at 10:57 am, Aug 20, 2021

*Handwritten mark*

TS

=====  
Calibration Table  
=====

Laboratory: Pocatello  
Instrument Name : GC2030-HS20

<<Data File>>  
Method File :C:\LabSolutions\Data\2021\08-18-21\_ts\ALCOHOL.gcm  
Batch File :C:\LabSolutions\Data\2021\08-18-21\_ts\08-18-21\_ts.gcb  
Date Acquired :8/18/2021 3:34:41 PM  
Date Created :8/18/2021 3:32:00 PM  
Date Modified :8/19/2021 7:35:52 AM



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

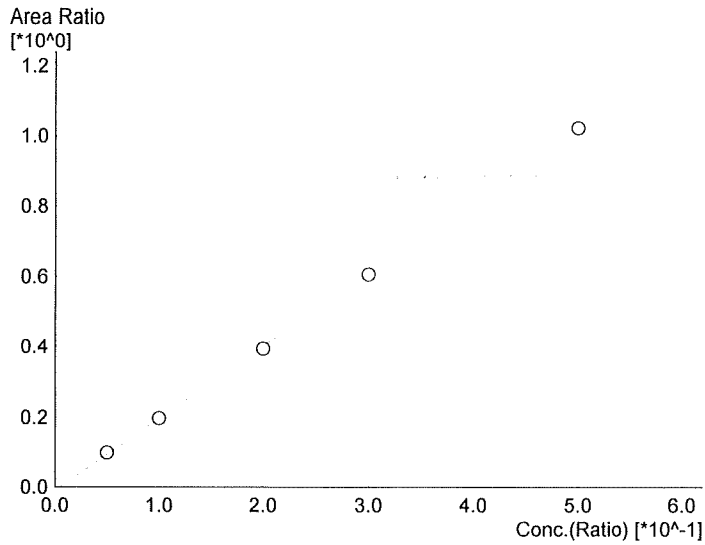
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

#	Conc.	Area	Std. Conc.
---	-------	------	------------

TS



Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.05540 \cdot x-0.00946672$   
 R<sup>2</sup> value= 0.9997674 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	15205	0.0527
2	0.100	31152	0.1005
3	0.200	62916	0.1956
4	0.300	95077	0.2993
5	0.500	153393	0.5017



Name : ISOPROPYL ALCOHOL  
 Detector Name: FID1  
 Function :  $f(x)=0 \cdot x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------

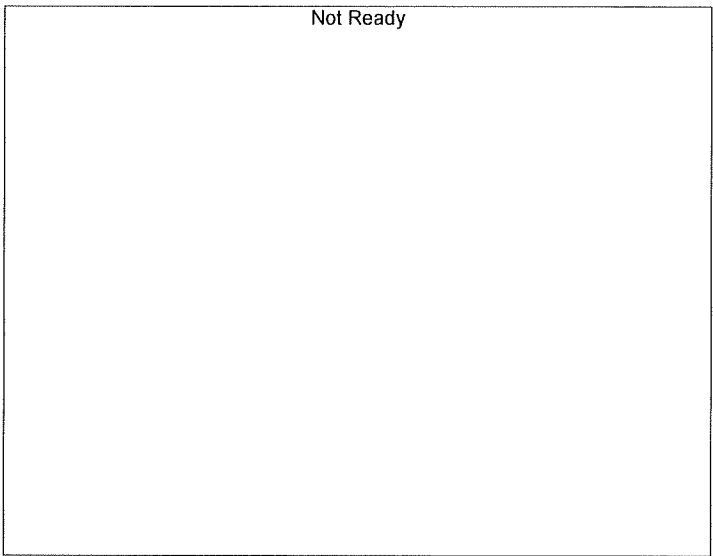


Name : ACETONE  
 Detector Name: FID1  
 Function :  $f(x)=0 \cdot x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------

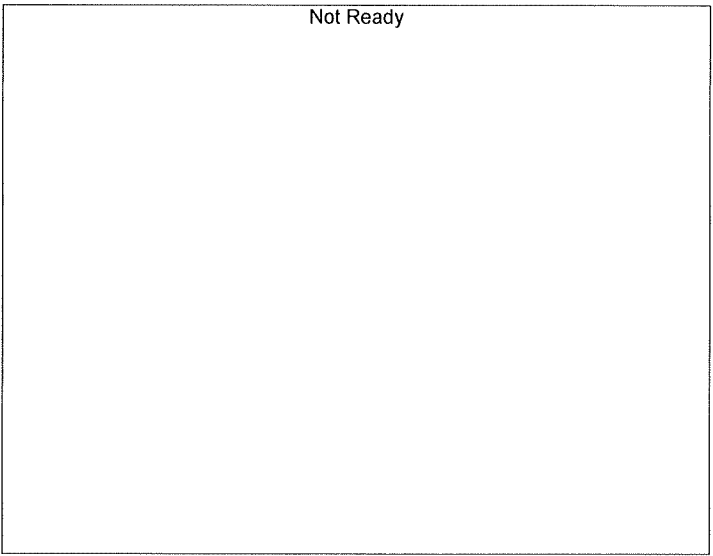


TS



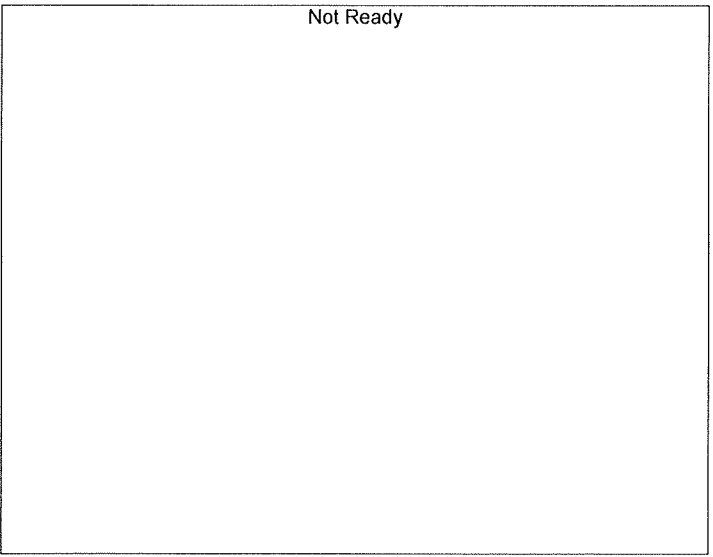
Name : DFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

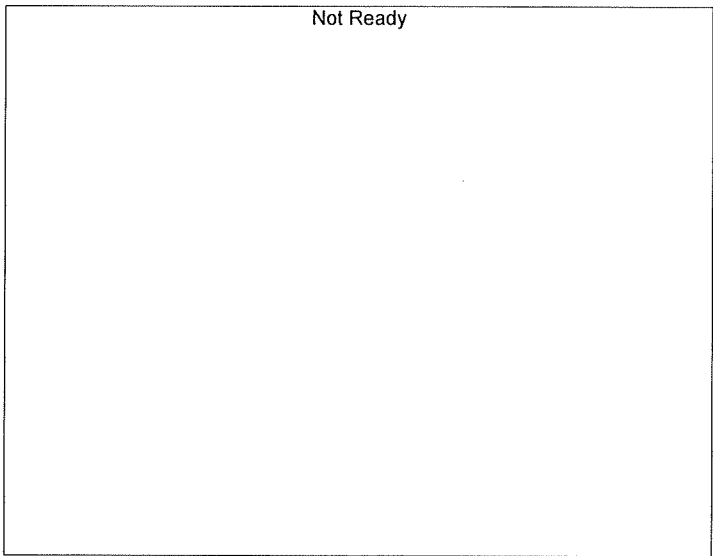
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

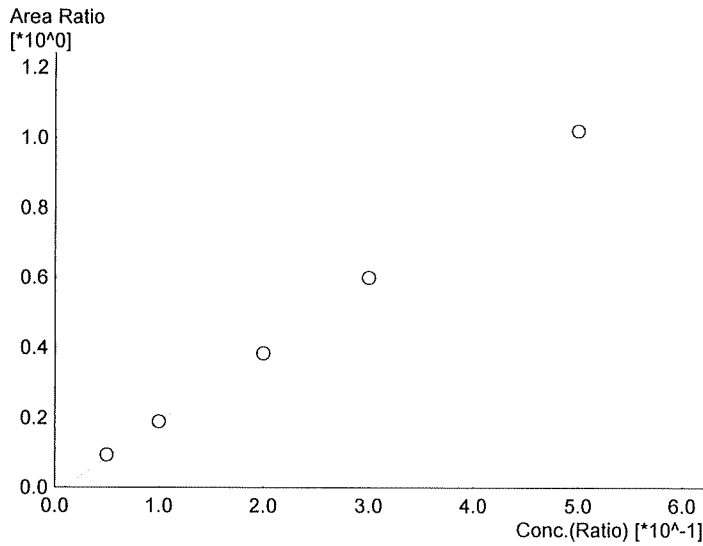
#	Conc.	Area	Std. Conc.
---	-------	------	------------

TS



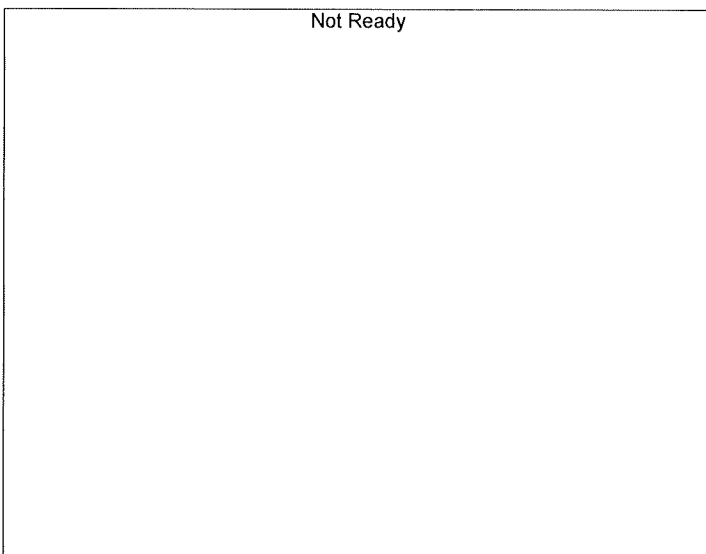
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------



Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.06695*x-0.0186809$   
 R<sup>2</sup> value= 0.9995644 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

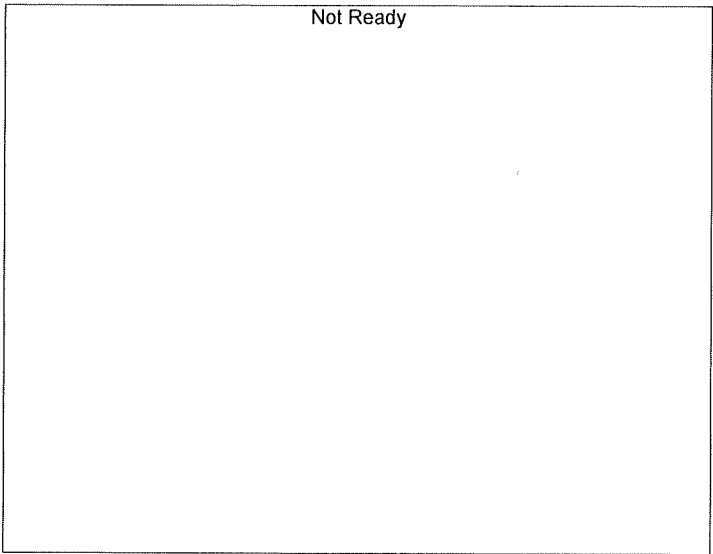
#	Conc.	Area	Std. Conc.
1	0.050	15164	0.0540
2	0.100	31612	0.1003
3	0.200	65027	0.1943
4	0.300	99081	0.2988
5	0.500	161422	0.5025



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

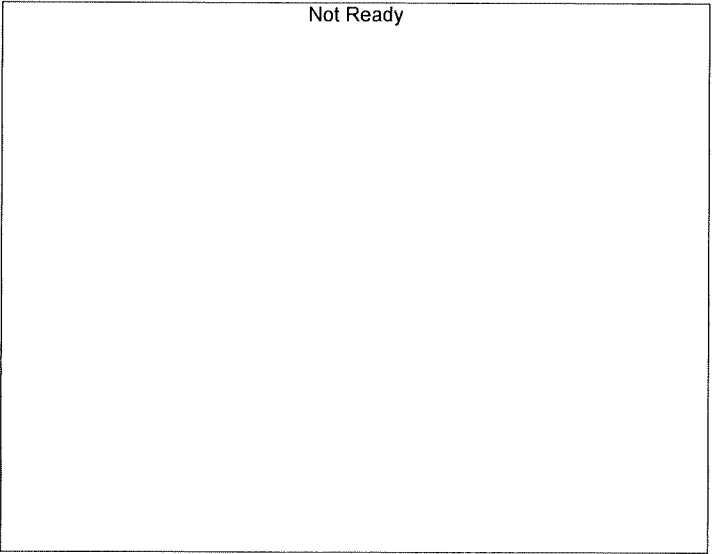
#	Conc.	Area	Std. Conc.
---	-------	------	------------

15



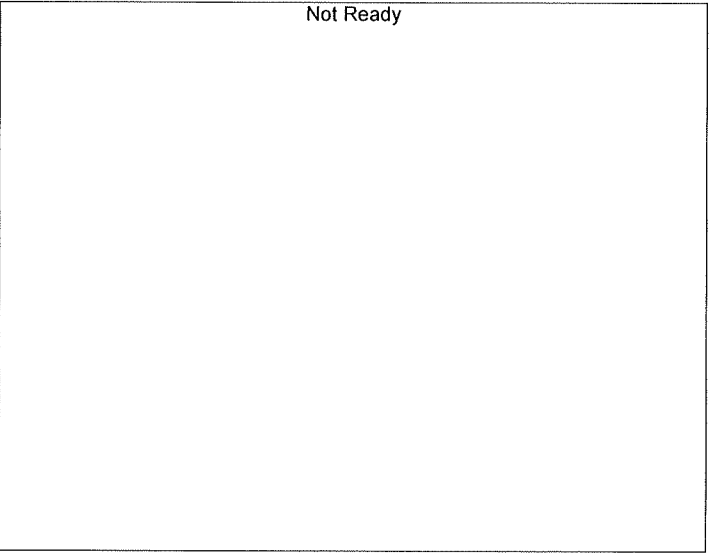
Name : ISOPROPYL ALCOHOL  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------



Name : DFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------

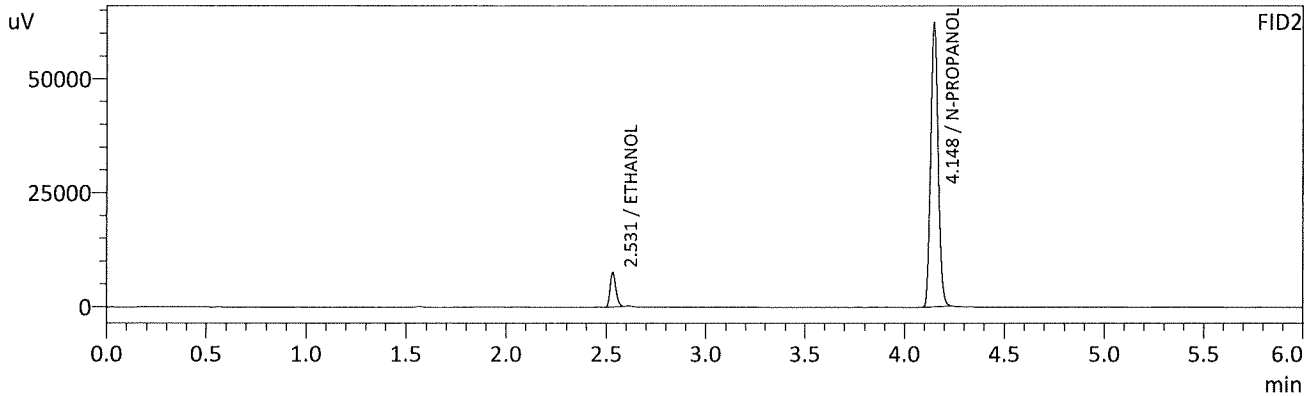
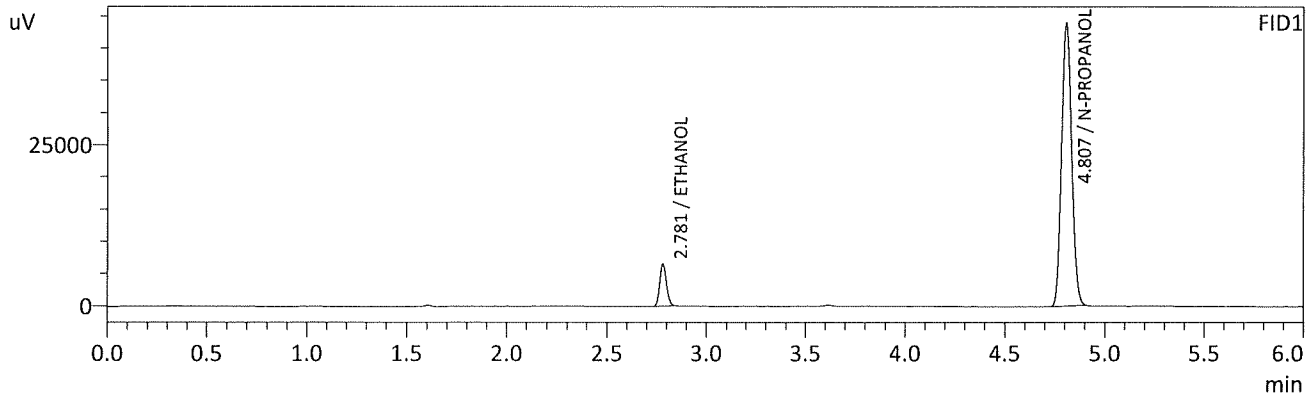


Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------

*B*

Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_8182021\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 2:59:26 PM  
 Date Processed : 8/19/2021 7:35:47 AM



FID1

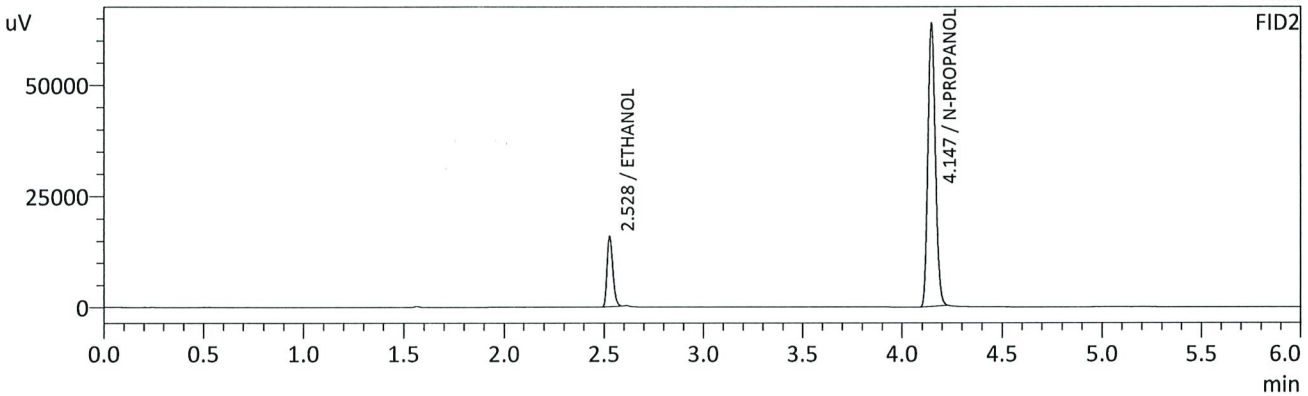
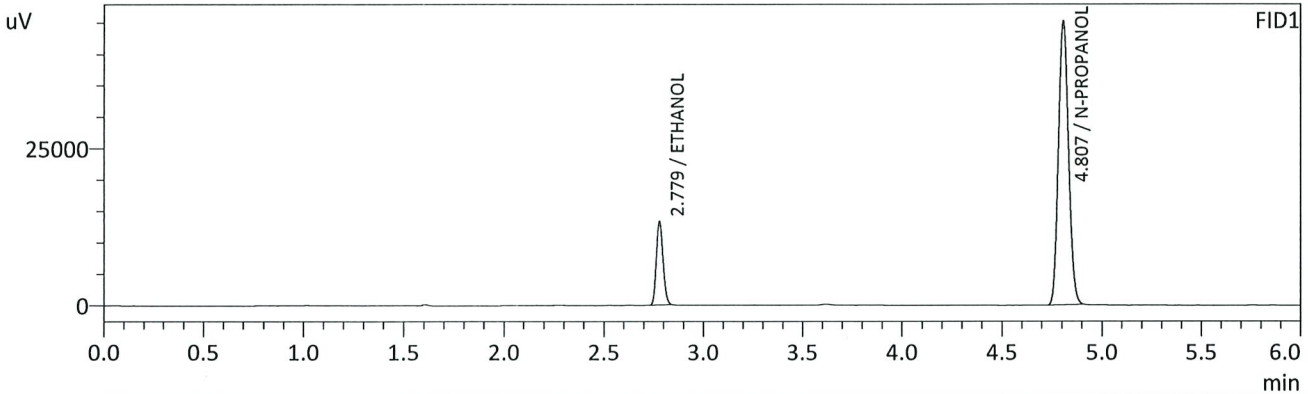
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0527	g/100cc	15205	6452
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153745	43757
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0540	g/100cc	15164	7537
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163098	62032
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_8182021\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 3:08:04 PM  
 Date Processed : 8/19/2021 7:35:49 AM



FID1

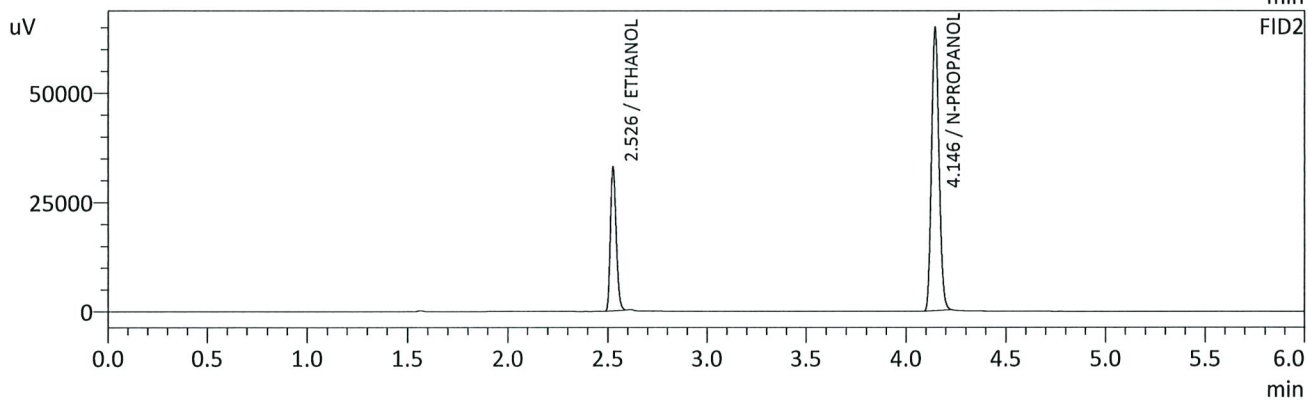
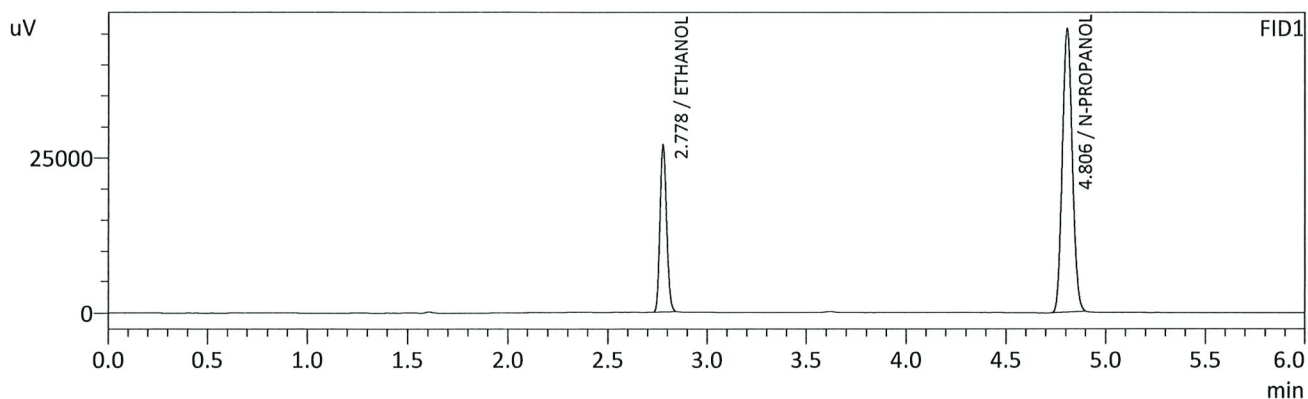
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1005	g/100cc	31152	13291
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158037	44981
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	31612	15845
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167573	63742
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_8182021\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 3:17:03 PM  
 Date Processed : 8/19/2021 7:35:50 AM



## FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1956	g/100cc	62916	26828
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160191	45628
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

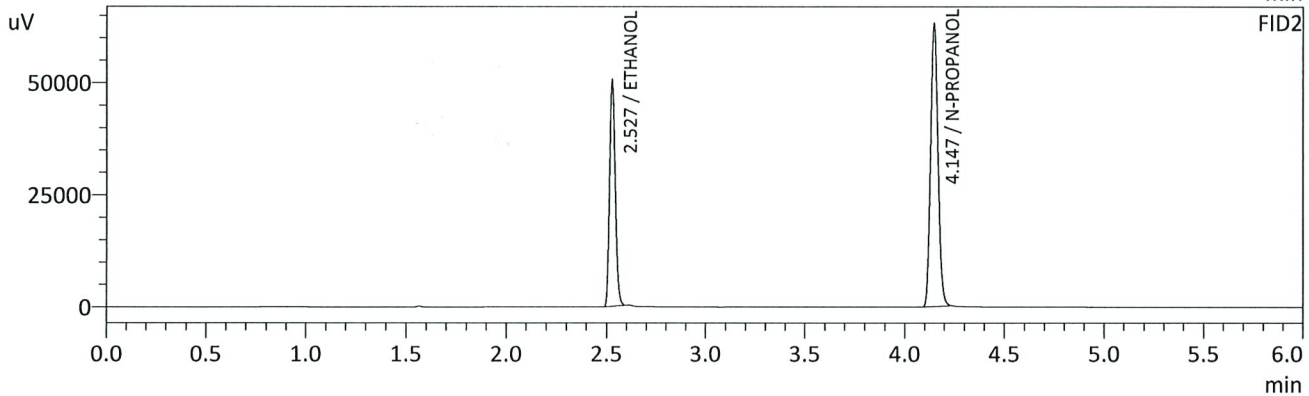
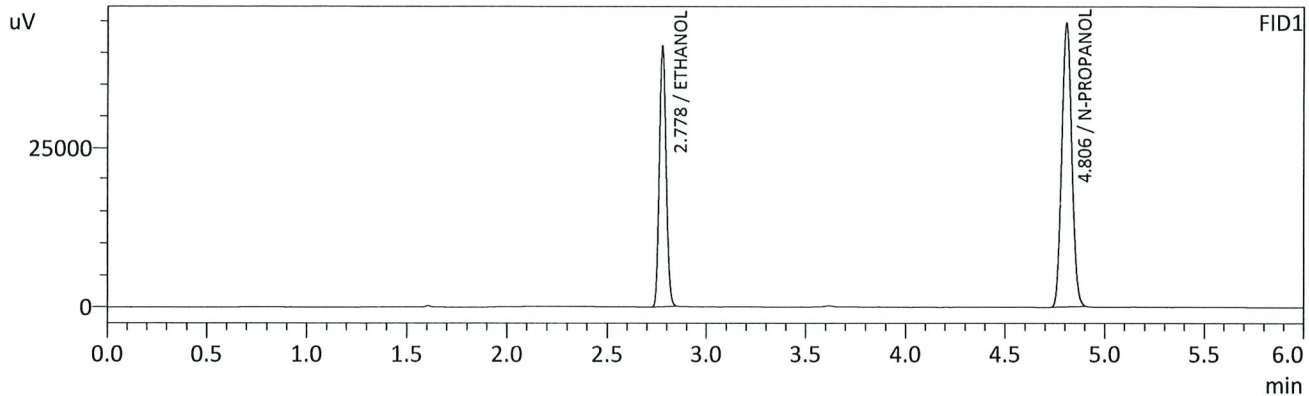
## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1943	g/100cc	65027	32529
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169759	64687
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_8182021\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 3:25:52 PM  
 Date Processed : 8/19/2021 7:35:51 AM



FID1

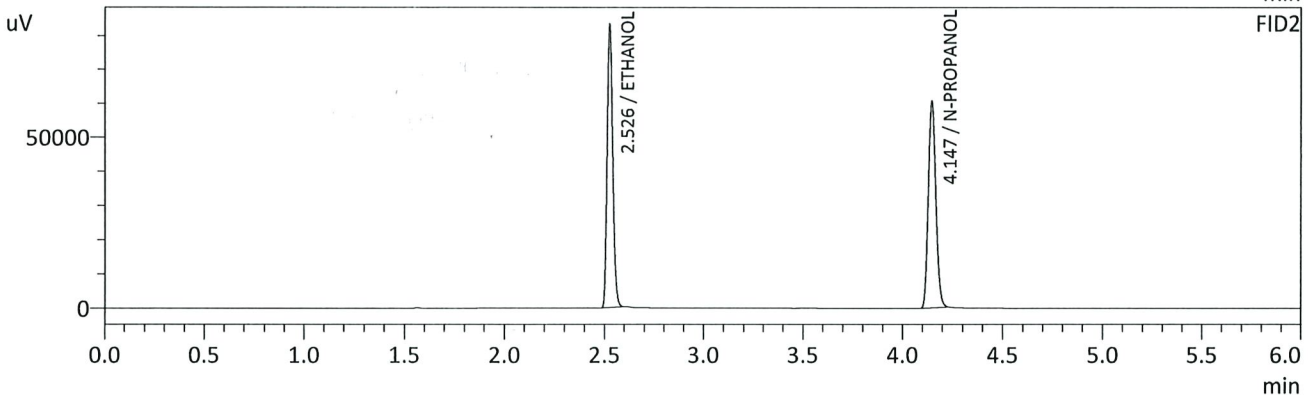
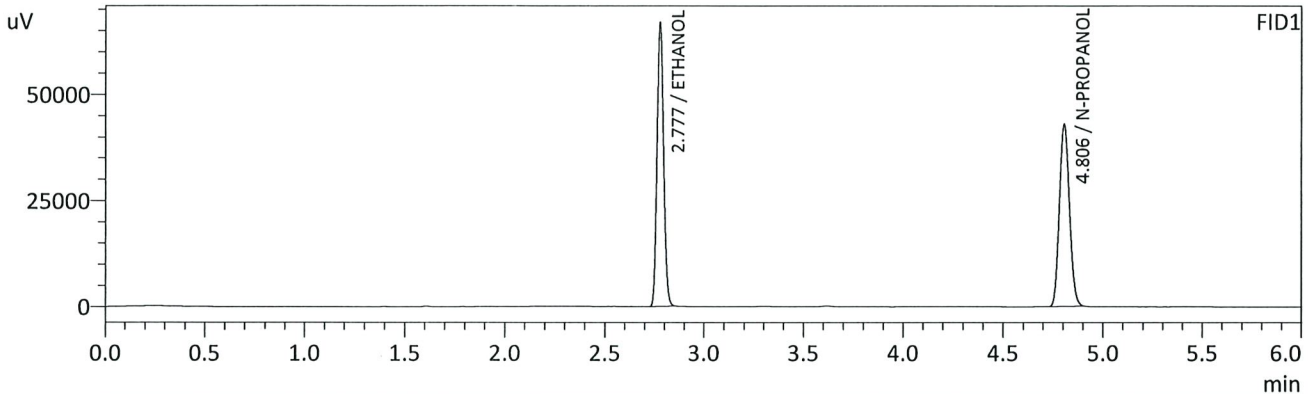
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2993	g/100cc	95077	40615
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156957	44540
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2988	g/100cc	99081	50330
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165428	62993
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_8182021\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 3:34:41 PM  
 Date Processed : 8/19/2021 7:35:52 AM



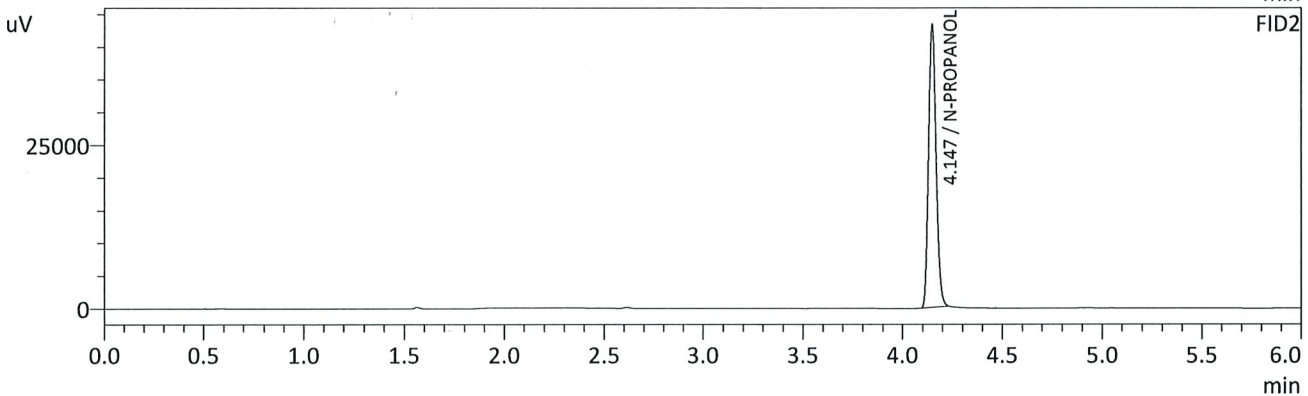
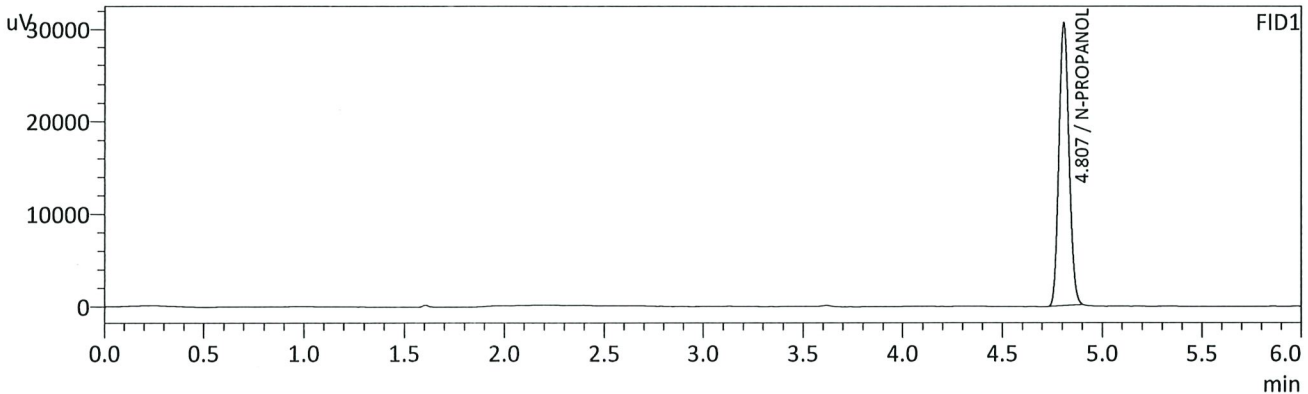
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5017	g/100cc	153393	66004
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	150113	42836
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5025	g/100cc	161422	82220
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158260	60591
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 1  
 Vial # : 6  
 Data Filename : INT STD BLK 1\_8182021\_006.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 3:43:18 PM  
 Date Processed : 8/19/2021 7:35:55 AM



## FID1

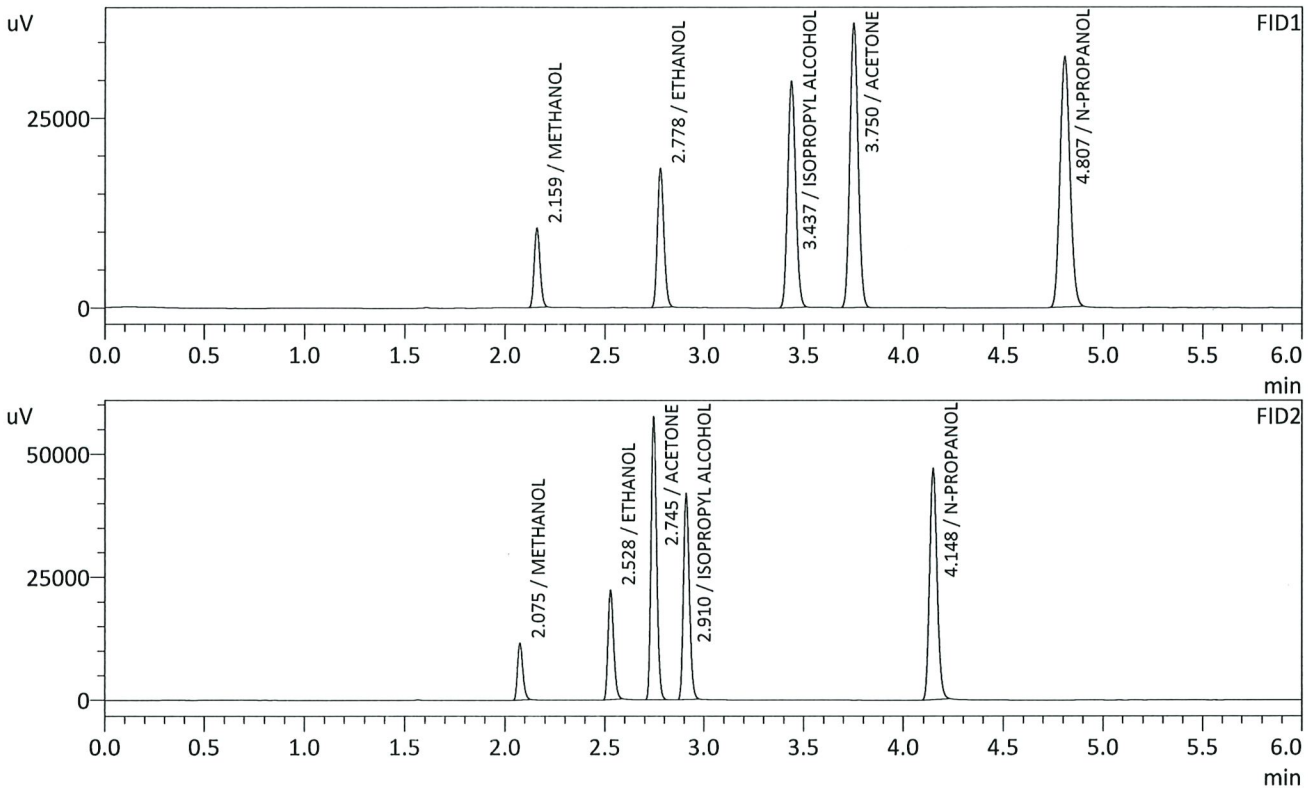
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	107718	30555
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## 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	114038	43263
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : MULTI-COMP MIX  
 Vial # : 7  
 Data Filename : MULTI-COMP MIX\_8182021\_007.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 3:52:21 PM  
 Date Processed : 8/19/2021 7:35:56 AM



## FID1

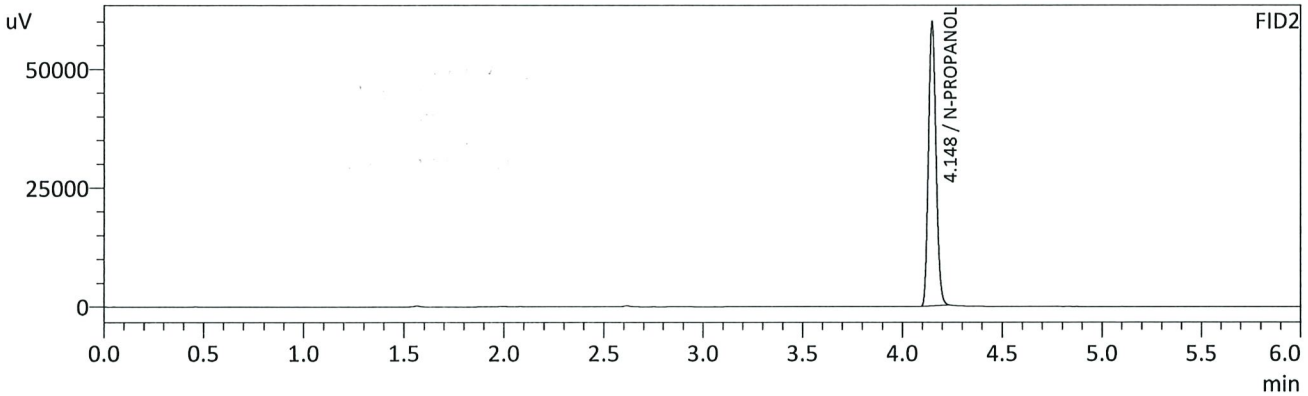
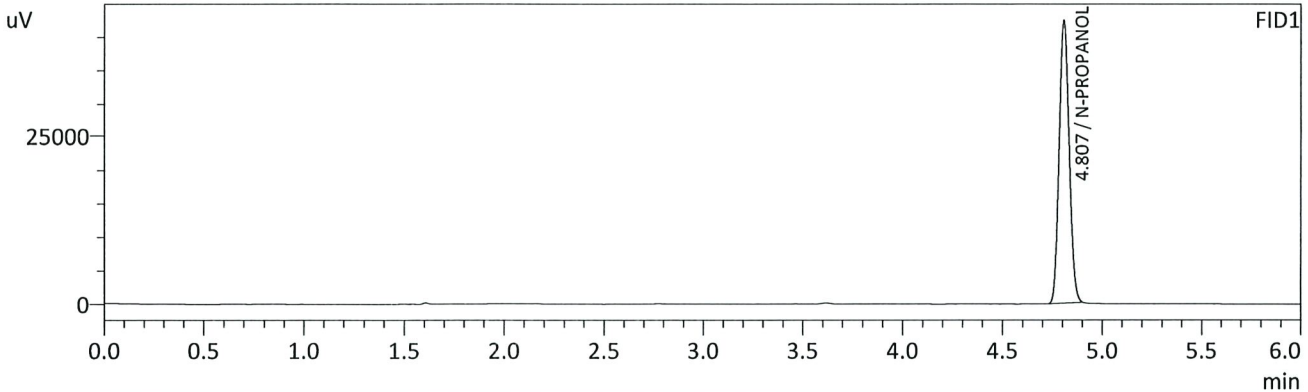
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	20863	10424
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1823	g/100cc	41781	18151
ISOPROPYL ALCOHOL	0.0000	g/100cc	82145	29684
ACETONE	0.0000	g/100cc	106103	37357
N-PROPANOL	0.0000	g/100cc	114394	32743
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	21277	11503
ETHANOL	0.1814	g/100cc	43355	22127
ACETONE	0.0000	g/100cc	113090	56547
ISOPROPYL ALCOHOL	0.0000	g/100cc	86603	41763
N-PROPANOL	0.0000	g/100cc	121657	46862
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 2  
 Vial # : 8  
 Data Filename : INT STD BLK 2\_8182021\_008.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 4:01:20 PM  
 Date Processed : 8/19/2021 7:35:57 AM



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	148119	42169
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	157299	59604
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



15

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC 1-1

Analysis Date(s): 08/18/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0760	0.0764	0.0004	0.0762	0.0006	0.0765
(g/100cc)	0.0767	0.0770	0.0003	0.0768		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information***Instrument information is stored centrally.*

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

**Reporting of Results**

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

	Reported Result	
	0.076	

*Calibration and control data are stored centrally.*

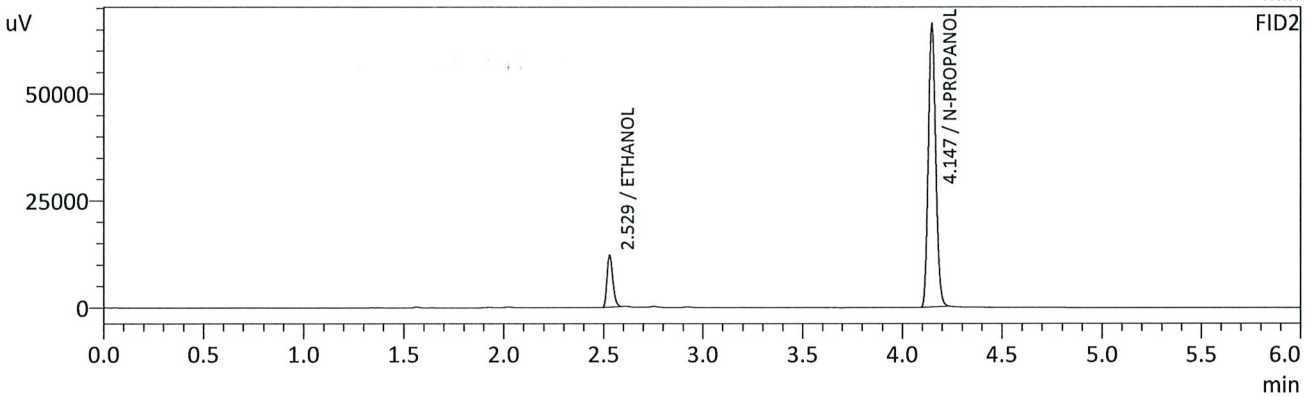
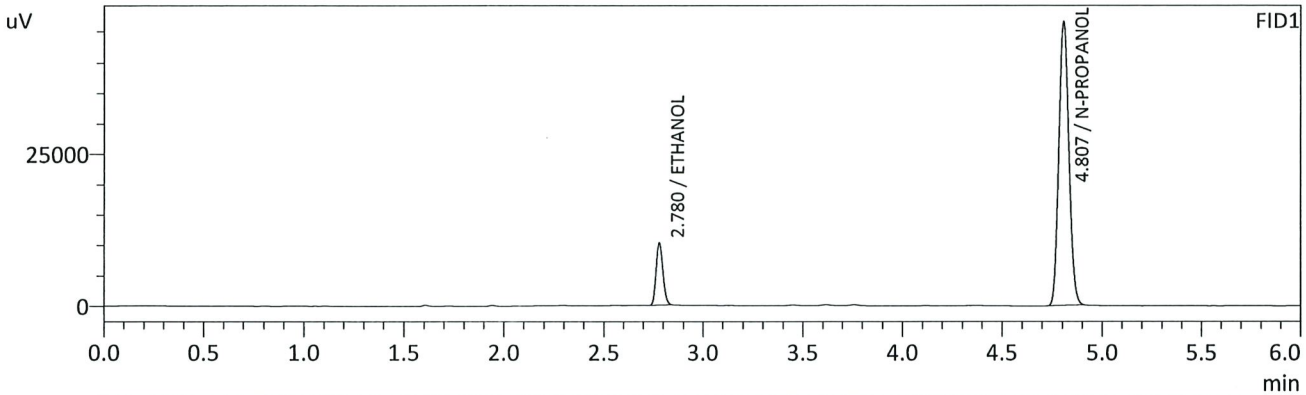
Revision: 3

Issue Date: 12/28/2020



TS

Sample Name : QC-1-1-A  
 Vial # : 9  
 Data Filename : QC-1-1-A\_8182021\_009.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 4:09:59 PM  
 Date Processed : 8/19/2021 7:35:58 AM



FID1

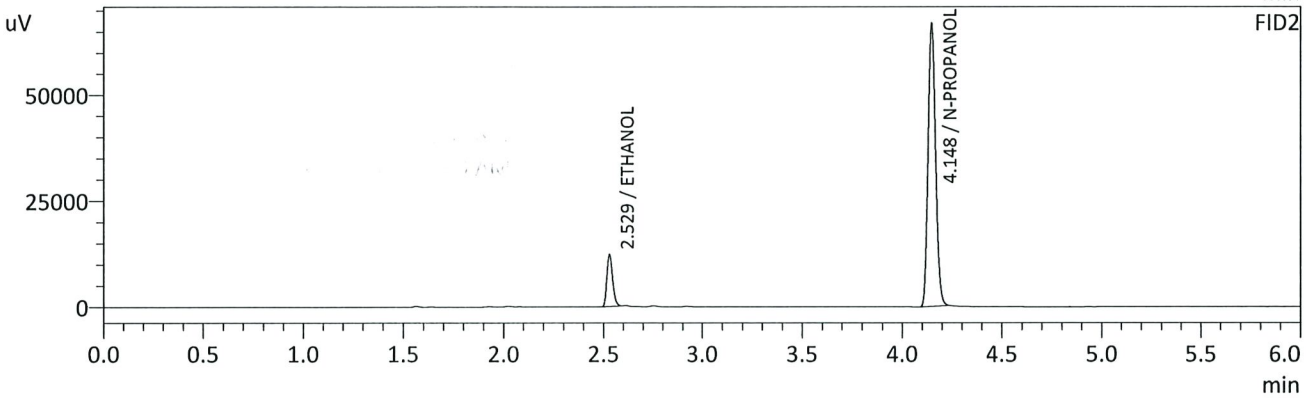
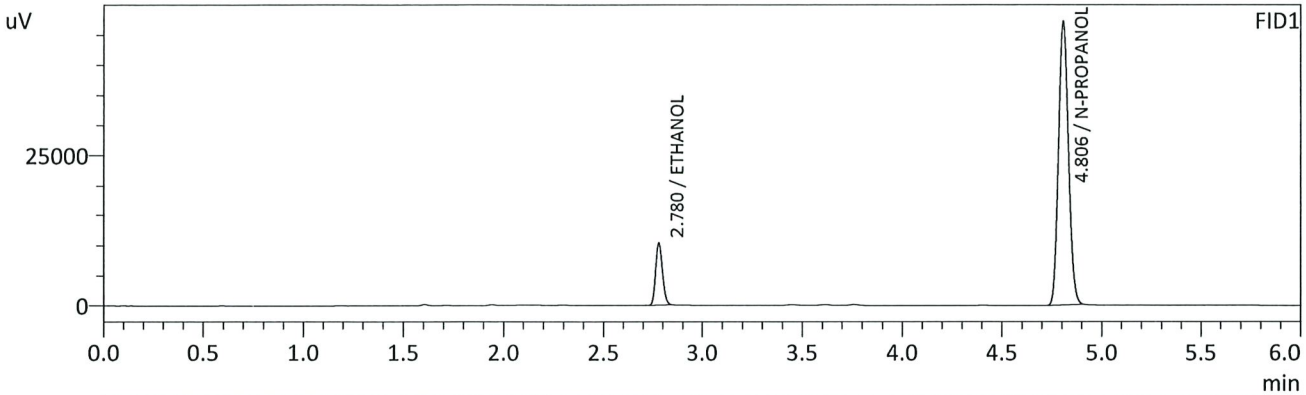
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0760	g/100cc	23983	10197
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163431	46567
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0764	g/100cc	24161	11927
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173358	66155
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC-1-1-B  
 Vial # : 10  
 Data Filename : QC-1-1-B\_8182021\_010.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 4:19:02 PM  
 Date Processed : 8/19/2021 7:36:00 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0767	g/100cc	24380	10349
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164515	47048
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0770	g/100cc	24565	12126
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174804	66676
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.08 QA

Analysis Date(s): 08/18/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0822	0.0823	0.0001	0.0822	0.0004	0.0820
(g/100cc)	0.0818	0.0819	0.0001	0.0818		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

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

**Reporting of Results**

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

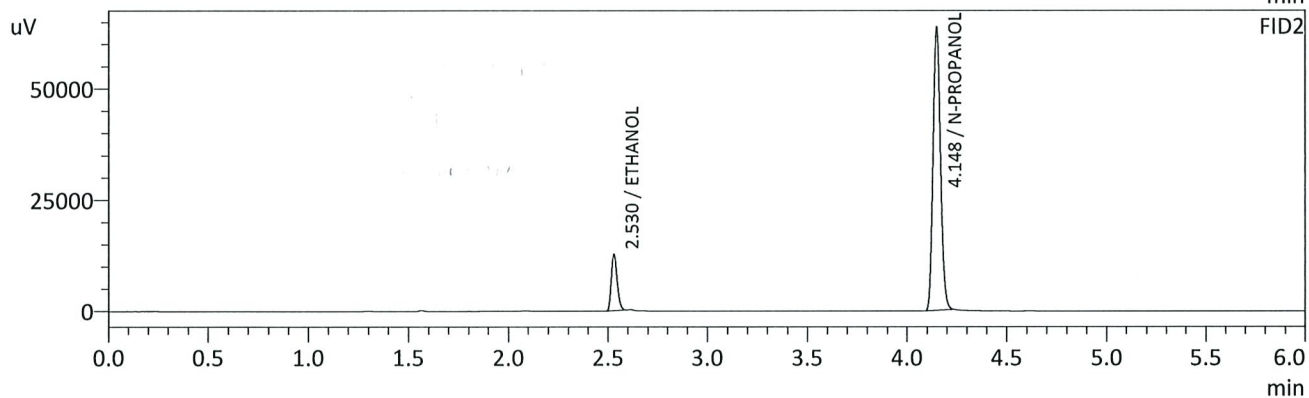
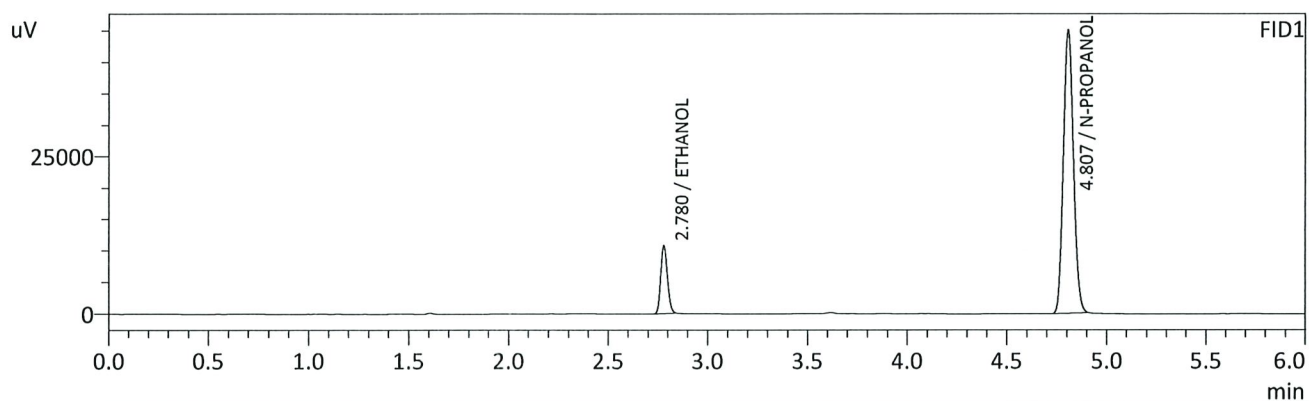
Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	0.077	0.087	0.005

	Reported Result	
	0.082	

*Calibration and control data are stored centrally.*

TS

Sample Name : 0.08 QA - A  
 Vial # : 11  
 Data Filename : 0.08 QA - A\_8182021\_011.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 4:27:57 PM  
 Date Processed : 8/19/2021 7:36:01 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	25191	10710
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157752	44882
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

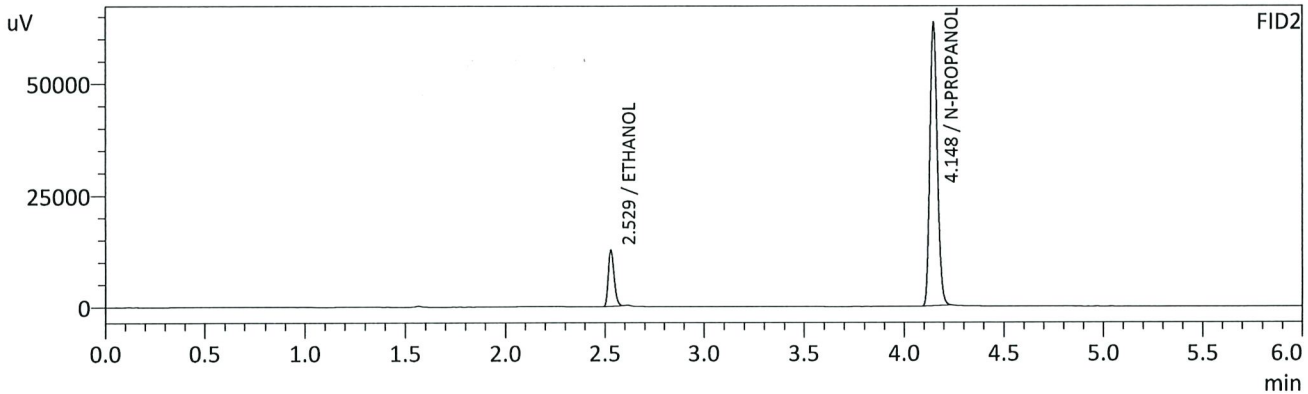
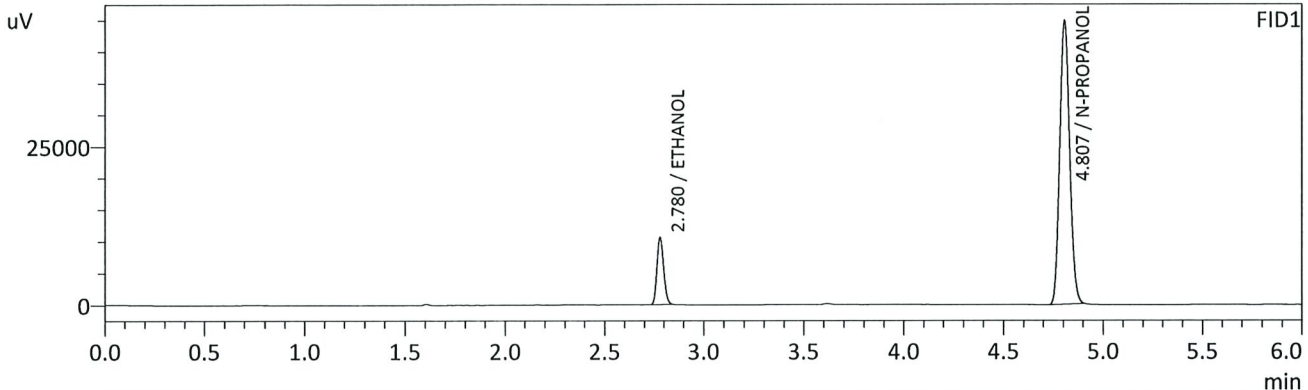
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0823	g/100cc	25348	12514
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167225	63594
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



15

Sample Name : 0.08 QA - B  
 Vial # : 12  
 Data Filename : 0.08 QA - B\_8182021\_012.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 4:36:49 PM  
 Date Processed : 8/19/2021 7:36:02 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	24894	10580
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156870	44655
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	25086	12429
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166564	63332
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC 2-1

Analysis Date(s): 08/18/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2107	0.2102	0.0005	0.2104	0.0008	0.2100
(g/100cc)	0.2100	0.2092	0.0008	0.2096		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

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

**Reporting of Results**

Uncertainty of Measurement (UM%): 5.00%

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

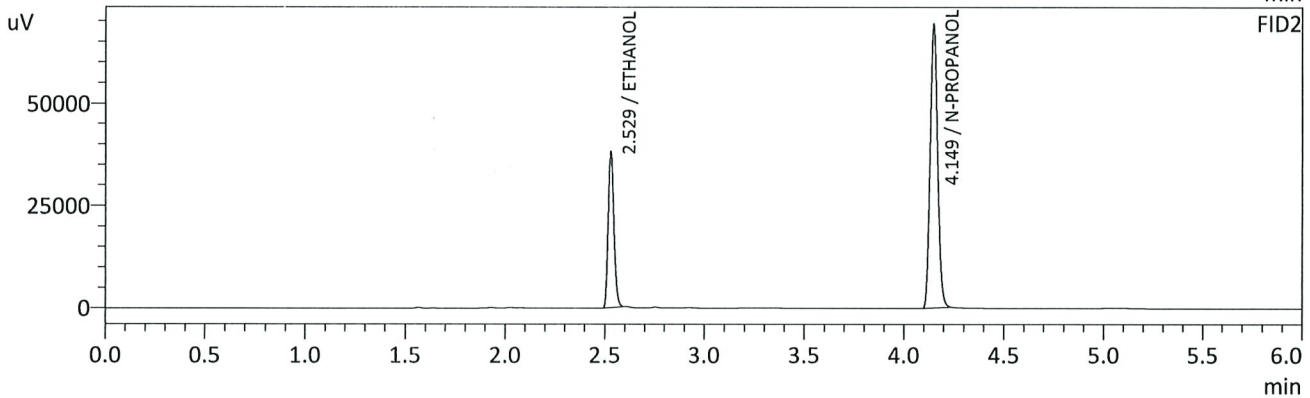
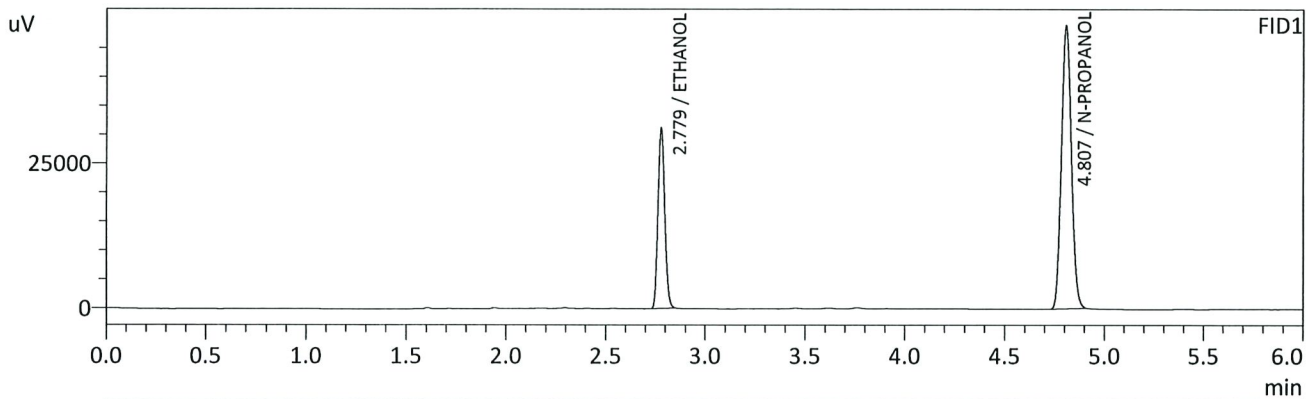
	Reported Result	
	0.210	

*Calibration and control data are stored centrally.*



TS

Sample Name : QC-2-1-A  
 Vial # : 31  
 Data Filename : QC-2-1-A\_8182021\_031.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 7:24:45 PM  
 Date Processed : 8/19/2021 7:36:23 AM



FID1

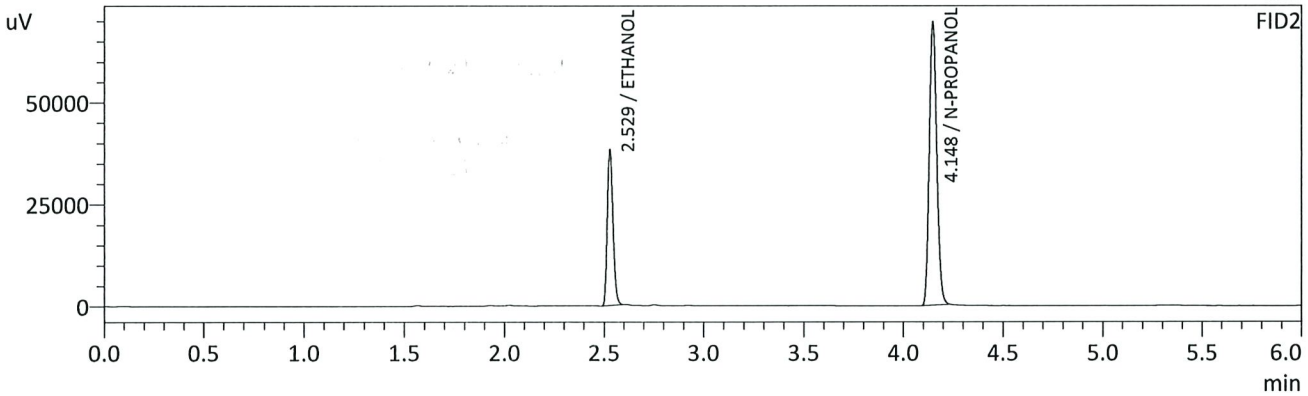
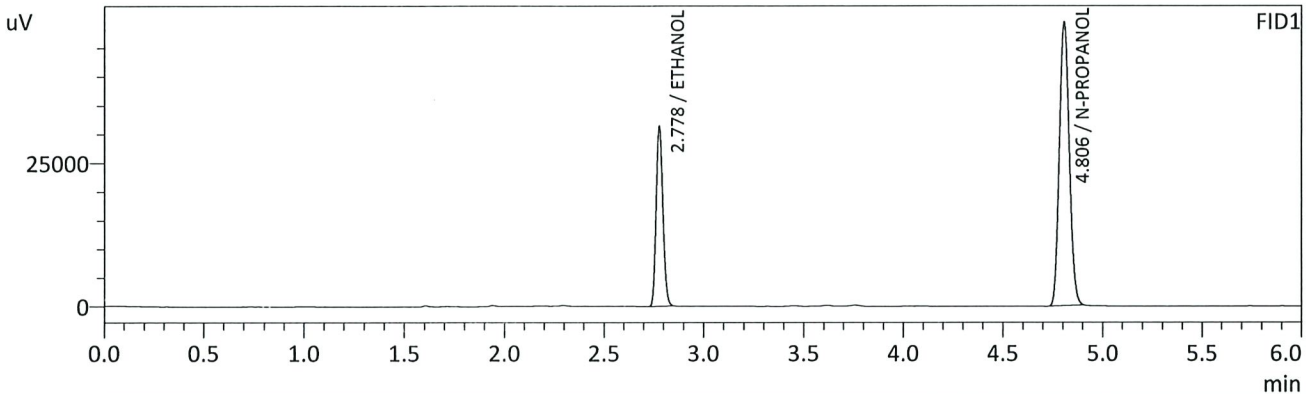
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2107	g/100cc	72591	31057
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171310	48734
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2102	g/100cc	75105	37662
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180592	68474
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC-2-1-B  
 Vial # : 32  
 Data Filename : QC-2-1-B\_8182021\_032.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 7:33:39 PM  
 Date Processed : 8/19/2021 7:36:24 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2100	g/100cc	72962	31131
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172761	49268
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2092	g/100cc	75449	37968
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182316	69238
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC 1-2

Analysis Date(s): 08/18/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0773	0.0778	0.0005	0.0775	0.0009	0.0779
(g/100cc)	0.0780	0.0788	0.0008	0.0784		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

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

**Reporting of Results**

Uncertainty of Measurement (UM%): 5.00%

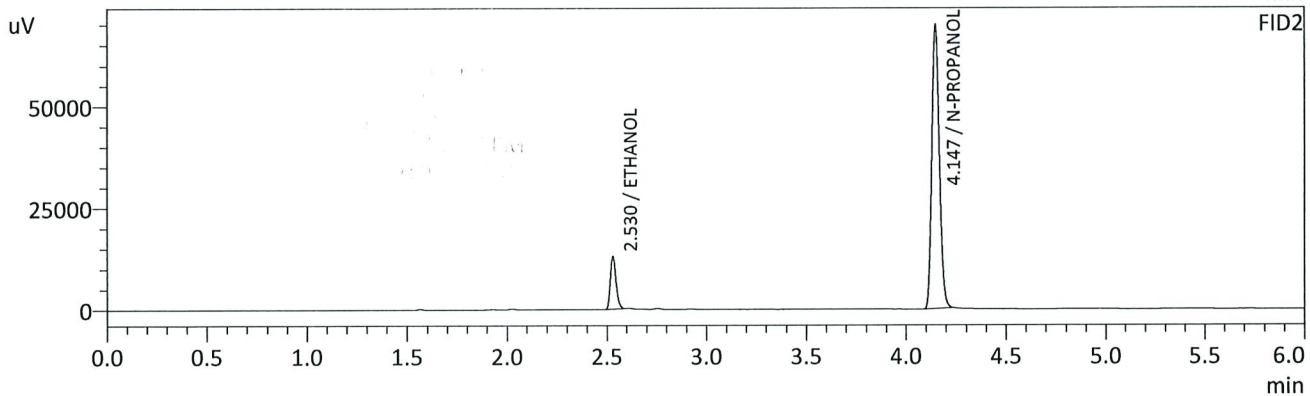
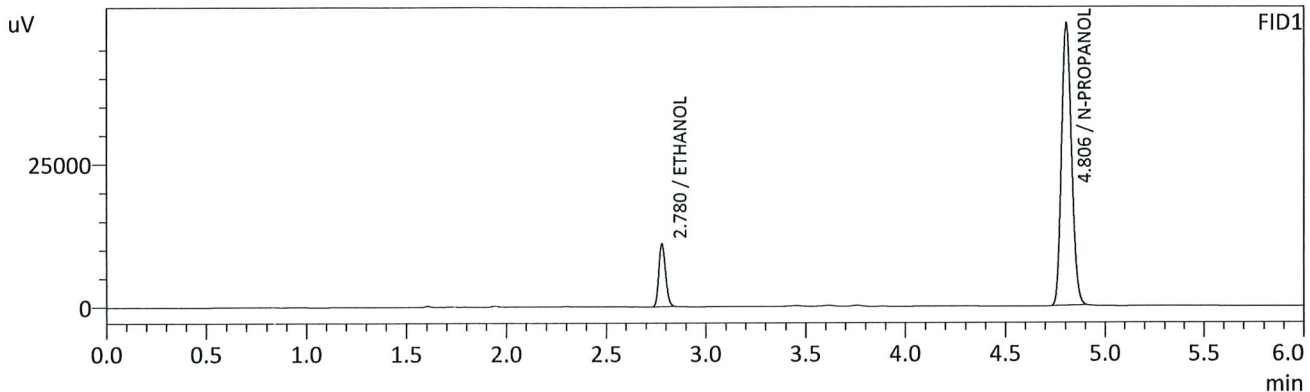
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

	Reported Result
	0.077

*Calibration and control data are stored centrally.*

TS

Sample Name : QC1-2-A  
 Vial # : 51  
 Data Filename : QC1-2-A\_8182021\_051.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 10:22:36 PM  
 Date Processed : 8/19/2021 7:36:45 AM



FID1

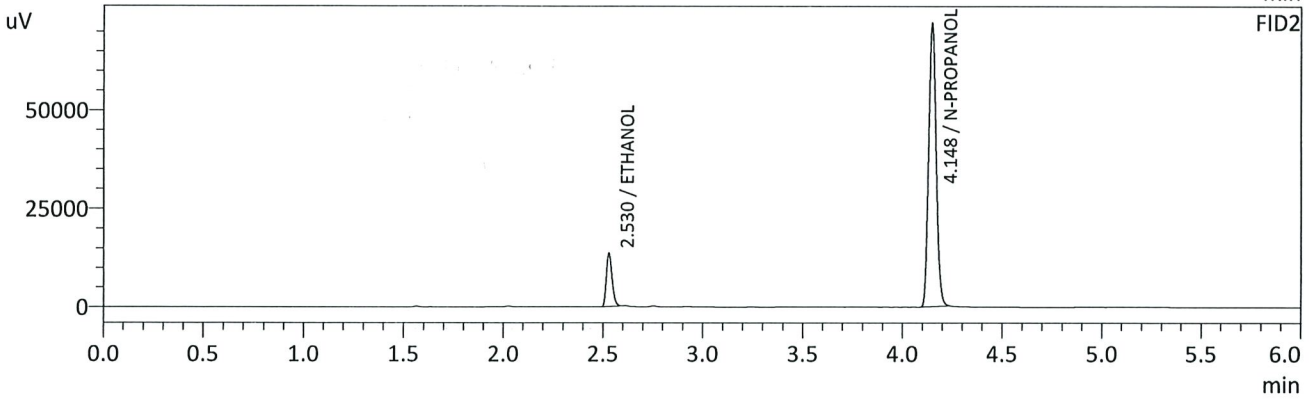
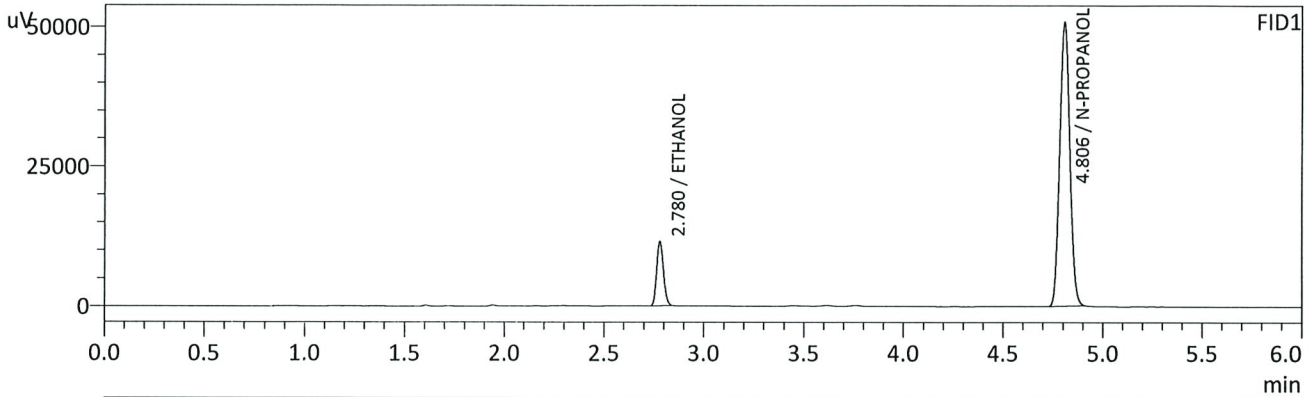
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0773	g/100cc	25828	10986
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172713	49349
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0778	g/100cc	25988	12774
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182613	69728
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-2-B  
 Vial # : 52  
 Data Filename : QC1-2-B\_8182021\_052.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 10:31:21 PM  
 Date Processed : 8/19/2021 7:36:47 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0780	g/100cc	26835	11462
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177685	50760
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

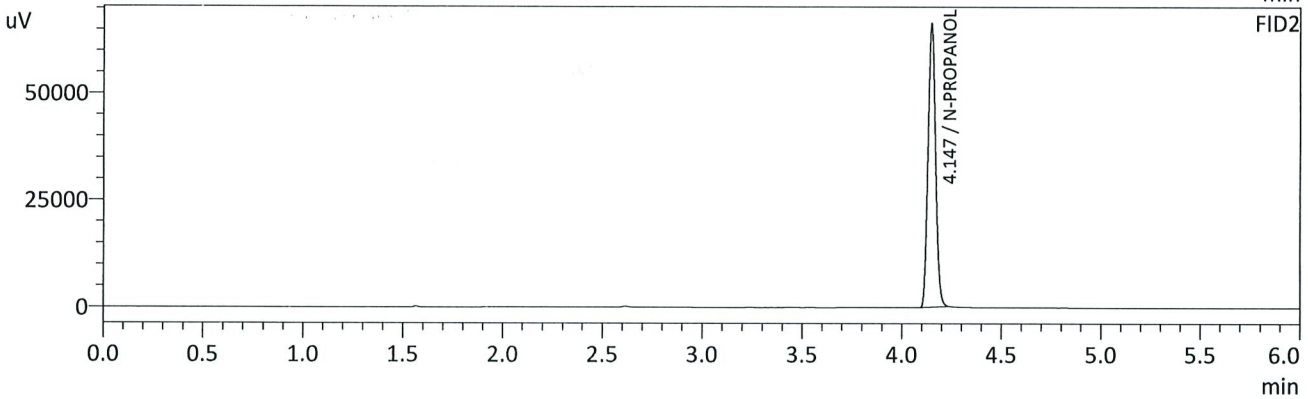
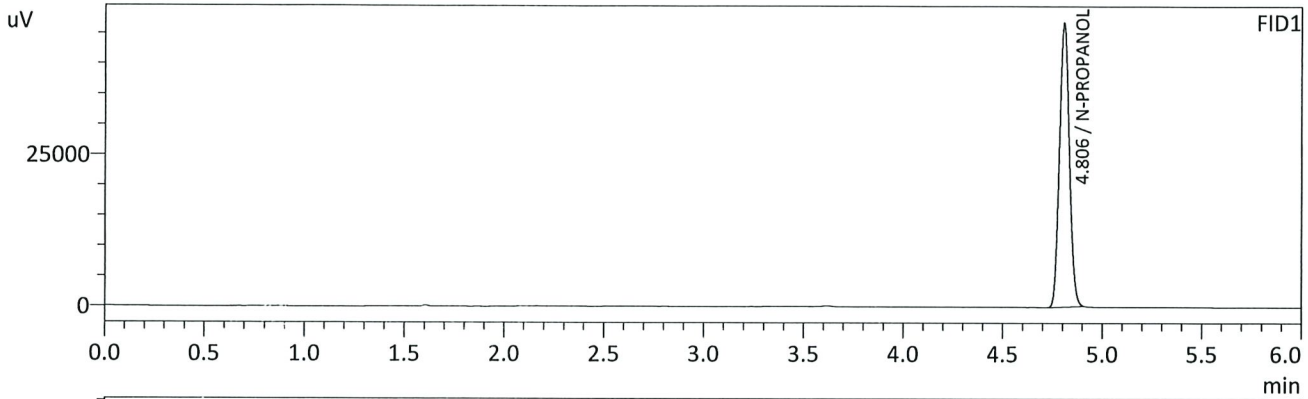
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0788	g/100cc	27137	13462
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188148	71972
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : INT STD BLK 3  
 Vial # : 53  
 Data Filename : INT STD BLK 3\_8182021\_053.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 08-18-21\_ts.gcb  
 Date Acquired : 8/18/2021 10:40:10 PM  
 Date Processed : 8/19/2021 7:36:48 AM



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	163776	46761
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	173539	66234
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 5.98  
 Copyright (C) 2008-2019 Shimadzu Corporation. All rights reserved.

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm	0.050_8182021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_8182021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_8182021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_8182021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_8182021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_8182021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_8182021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_8182021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_8182021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_8182021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_8182021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_8182021_012.gcd	0
13	P2021-2575-1-A	0:Unknown	ALCOHOL.gcm	P2021-2575-1-A_8182021_013.gcd	0
14	P2021-2575-1-B	0:Unknown	ALCOHOL.gcm	P2021-2575-1-B_8182021_014.gcd	0
15	P2021-2577-1-A	0:Unknown	ALCOHOL.gcm	P2021-2577-1-A_8182021_015.gcd	0
16	P2021-2577-1-B	0:Unknown	ALCOHOL.gcm	P2021-2577-1-B_8182021_016.gcd	0
17	P2021-2578-1-A	0:Unknown	ALCOHOL.gcm	P2021-2578-1-A_8182021_017.gcd	0
18	P2021-2578-1-B	0:Unknown	ALCOHOL.gcm	P2021-2578-1-B_8182021_018.gcd	0
19	P2021-2582-1-A	0:Unknown	ALCOHOL.gcm	P2021-2582-1-A_8182021_019.gcd	0
20	P2021-2582-1-B	0:Unknown	ALCOHOL.gcm	P2021-2582-1-B_8182021_020.gcd	0
21	P2021-2583-1-A	0:Unknown	ALCOHOL.gcm	P2021-2583-1-A_8182021_021.gcd	0
22	P2021-2583-1-B	0:Unknown	ALCOHOL.gcm	P2021-2583-1-B_8182021_022.gcd	0
23	P2021-2584-1-A	0:Unknown	ALCOHOL.gcm	P2021-2584-1-A_8182021_023.gcd	0
24	P2021-2584-1-B	0:Unknown	ALCOHOL.gcm	P2021-2584-1-B_8182021_024.gcd	0
25	P2021-2609-1-A	0:Unknown	ALCOHOL.gcm	P2021-2609-1-A_8182021_025.gcd	0
26	P2021-2609-1-B	0:Unknown	ALCOHOL.gcm	P2021-2609-1-B_8182021_026.gcd	0
27	P2021-2614-2-A	0:Unknown	ALCOHOL.gcm	P2021-2614-2-A_8182021_027.gcd	0
28	P2021-2614-2-B	0:Unknown	ALCOHOL.gcm	P2021-2614-2-B_8182021_028.gcd	0
29	P2021-2615-1-A	0:Unknown	ALCOHOL.gcm	P2021-2615-1-A_8182021_029.gcd	0
30	P2021-2615-1-B	0:Unknown	ALCOHOL.gcm	P2021-2615-1-B_8182021_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_8182021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_8182021_032.gcd	0
33	P2021-2654-1-A	0:Unknown	ALCOHOL.gcm	P2021-2654-1-A_8182021_033.gcd	0
34	P2021-2654-1-B	0:Unknown	ALCOHOL.gcm	P2021-2654-1-B_8182021_034.gcd	0
35	P2021-2655-1-A	0:Unknown	ALCOHOL.gcm	P2021-2655-1-A_8182021_035.gcd	0
36	P2021-2655-1-B	0:Unknown	ALCOHOL.gcm	P2021-2655-1-B_8182021_036.gcd	0
37	P2021-2674-1-A	0:Unknown	ALCOHOL.gcm	P2021-2674-1-A_8182021_037.gcd	0
38	P2021-2674-1-B	0:Unknown	ALCOHOL.gcm	P2021-2674-1-B_8182021_038.gcd	0
39	P2021-2676-1-A	0:Unknown	ALCOHOL.gcm	P2021-2676-1-A_8182021_039.gcd	0
40	P2021-2676-1-B	0:Unknown	ALCOHOL.gcm	P2021-2676-1-B_8182021_040.gcd	0
41	P2021-2685-1-A	0:Unknown	ALCOHOL.gcm	P2021-2685-1-A_8182021_041.gcd	0
42	P2021-2685-1-B	0:Unknown	ALCOHOL.gcm	P2021-2685-1-B_8182021_042.gcd	0
43	P2021-2686-1-A	0:Unknown	ALCOHOL.gcm	P2021-2686-1-A_8182021_043.gcd	0
44	P2021-2686-1-B	0:Unknown	ALCOHOL.gcm	P2021-2686-1-B_8182021_044.gcd	0
45	P2021-2687-1-A	0:Unknown	ALCOHOL.gcm	P2021-2687-1-A_8182021_045.gcd	0
46	P2021-2687-1-B	0:Unknown	ALCOHOL.gcm	P2021-2687-1-B_8182021_046.gcd	0
47	P2021-2696-1-A	0:Unknown	ALCOHOL.gcm	P2021-2696-1-A_8182021_047.gcd	0
48	P2021-2696-1-B	0:Unknown	ALCOHOL.gcm	P2021-2696-1-B_8182021_048.gcd	0
49	P2021-2707-2-A	0:Unknown	ALCOHOL.gcm	P2021-2707-2-A_8182021_049.gcd	0
50	P2021-2707-2-B	0:Unknown	ALCOHOL.gcm	P2021-2707-2-B_8182021_050.gcd	0
51	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_8182021_051.gcd	0
52	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_8182021_052.gcd	0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_8182021_053.gcd	0

TS