Worklist: 5068

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
P2021-1847	1	BCK	Alcohol Analysis	
P2021-1849	1	BCK	Alcohol Analysis	
P2021-1851	1	BCK	Alcohol Analysis	
P2021-1852	1	BCK	Alcohol Analysis	
P2021-1859	1	BCK	Alcohol Analysis	
P2021-1862	1	BCK	Alcohol Analysis	
P2021-1863	1	BCK	Alcohol Analysis	
P2021-1864	1	BCK	Alcohol Analysis	
P2021-1867	1	BCK	Alcohol Analysis	
P2021-1868	1	BCK	Alcohol Analysis	
P2021-1871	1	BCK	Alcohol Analysis	
P2021-1872	1	BCK	Alcohol Analysis	
P2021-1900	1	BCK	Alcohol Analysis	
P2021-1901	1	BCK	Alcohol Analysis	
P2021-1906	1	BCK	Alcohol Analysis	
P2021-1907	1	BCK	Alcohol Analysis	
P2021-1908	1	BCK	Alcohol Analysis	
* P2021-1909	1	BCK	Alcohol Analysis	
P2021-1910	1	BCK	Alcohol Analysis	
P2021-1915	1	BCK	Alcohol Analysis	
P2021-1916	1	BCK	Alcohol Analysis	

*P2021-1909 was resampled and analyzed on 06/29/21 with worklist 5071

Worklist: 5068

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION
P2021-1917	1	BCK	Alcohol Analysis
P2021-1926	1	BCK	Alcohol Analysis
P2021-1978	1	BCK	Alcohol Analysis
P2021-1990	1	BCK	Alcohol Analysis

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls
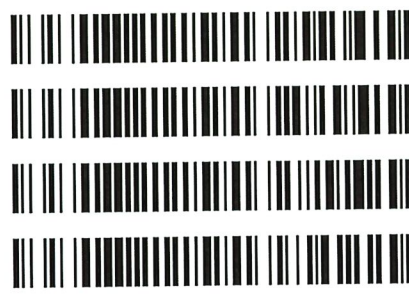
Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Run Date(s): 06-28-2021

REVIEWED
By RCutler at 9:19 am, Jul 01, 2021

TS

Volatiles Quality Assurance Controls

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0747	g/100cc
					0.0777	g/100cc
						g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2122	g/100cc
					0.2135	g/100cc
						g/100cc

Multi-Component mixture:		Lot #	FN06041902		ok
Curve Fit:		Column 1	0.99991	Column2	0.99979

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0518	0.0528	0.001	0.0523
100	0.100	0.090 - 0.110	0.1000	0.1001	0.0001	0.1
200	0.200	0.180 - 0.220	0.1975	0.1965	0.001	0.197
300	0.300	0.270 - 0.330	0.2994	0.2984	0.001	0.2989
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5011	0.5019	0.0008	0.5015

Aqueous Controls

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

===
Calibration Table
===

TS

Laboratory: Pocatello
Instrument Name   : GC2030-HS20

<<Data File>>
Method File   :C:\LabSolutions\Data\2021\06-28-21 TS\ALCOHOL.gcm
Batch File   :C:\LabSolutions\Data\2021\06-28-21 TS\06-28-21_ts_post.gcb
Date Acquired   :6/28/2021 10:55:40 AM
Date Created   :6/28/2021 10:53:02 AM
Date Modified   :6/29/2021 7:01:01 AM
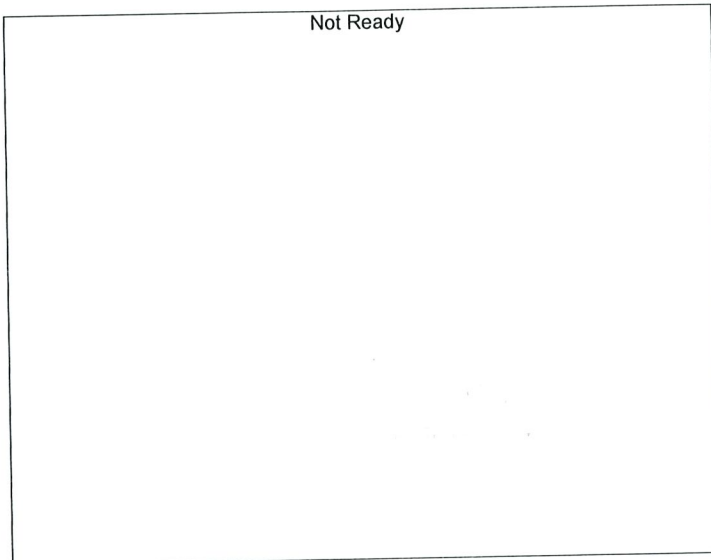
Not Ready

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

#	Conc.	Area	Std. Conc.

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.

Area Ratio
[*10^0]
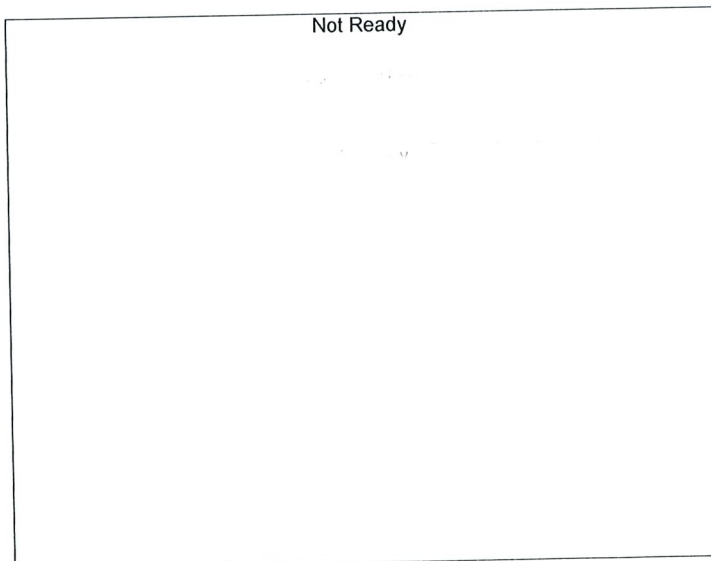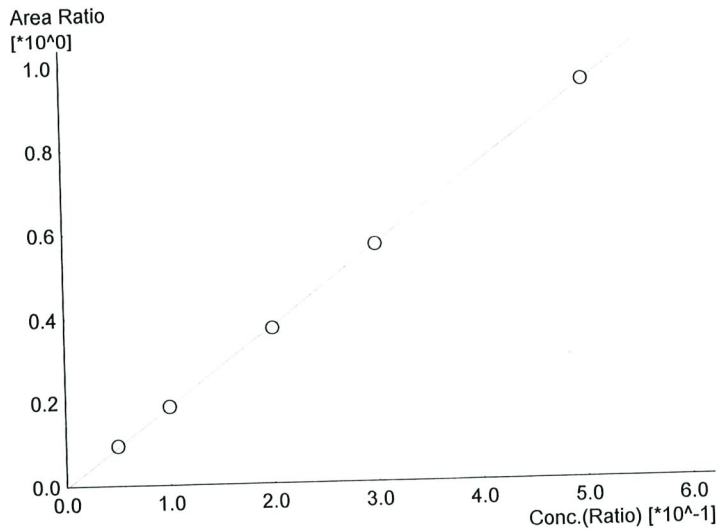
Name : ETHANOL
Detector Name: FID1
Function : $f(x)=1.90254 \cdot x - 0.00430684$
R^2 value= 0.9999165
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	15749	0.0518
2	0.100	31715	0.1000
3	0.200	63188	0.1975
4	0.300	97210	0.2994
5	0.500	163751	0.5011

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

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

#	Conc.	Area	Std. Conc.

TS

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

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

#	Conc.	Area	Std. Conc.

Name : ETHANOL
Detector Name: FID2
Function : f(x)=1.91035*x-0.0111483
R^2 value= 0.9997940
FitType: Linear
ZeroThrough: Not Through

Area Ratio
[*10^0]

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

#	Conc.	Area	Std. Conc.
1	0.050	15710	0.0528
2	0.100	32190	0.1001
3	0.200	64836	0.1965
4	0.300	100465	0.2984
5	0.500	170730	0.5019

Not Ready

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

#	Conc.	Area	Std. Conc.

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.

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.

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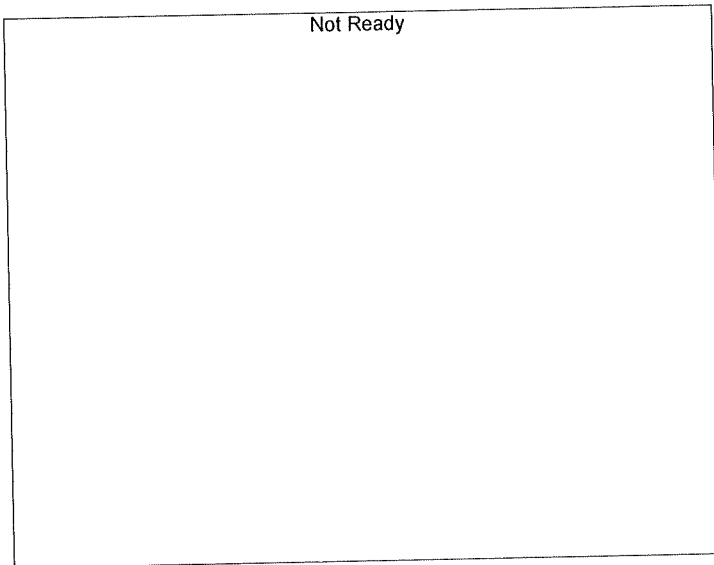
Name : TFE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
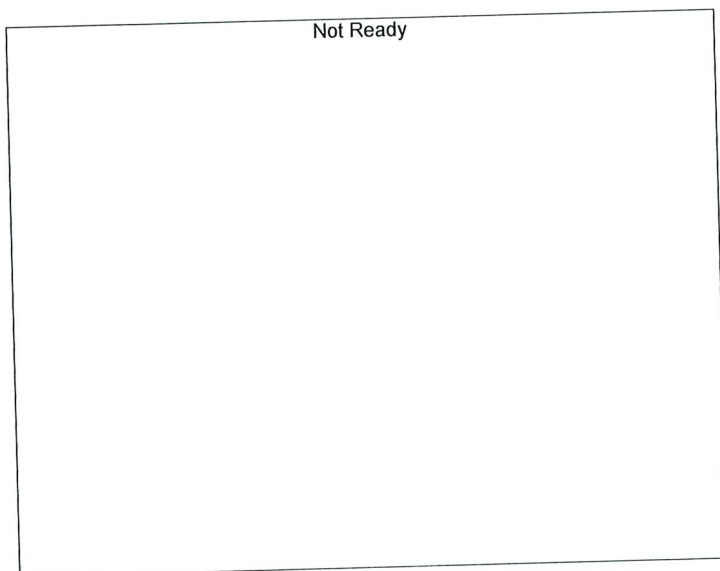ZeroThrough: Not Through

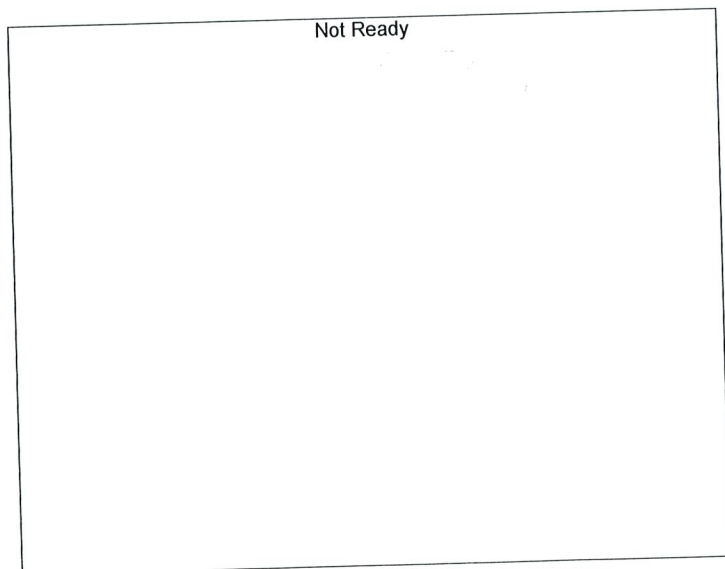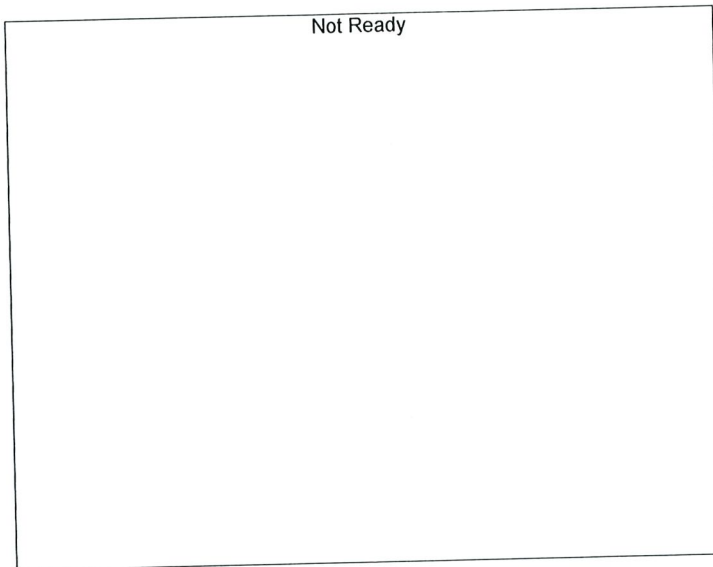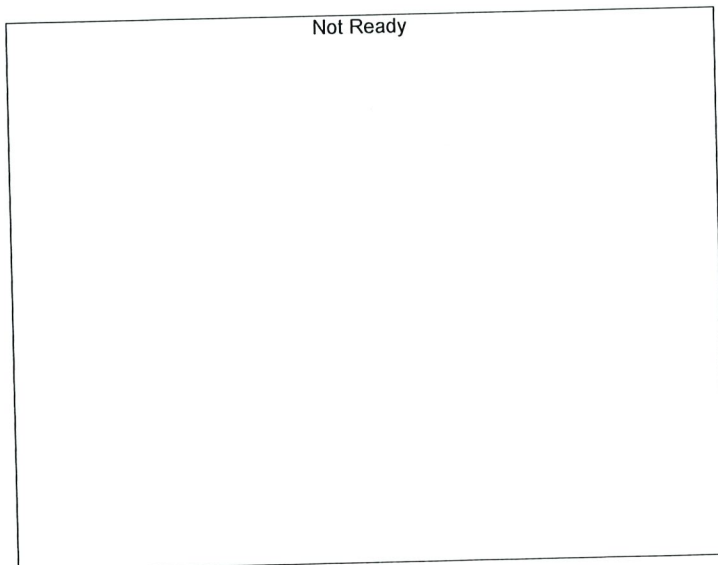| #	Conc.	Area	Std. Conc.

Sample Name   : 0.050
Vial #   : 1
Data Filename   : 0.050_6282021_001.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 10:20:37 AM
Date Processed   : 6/29/2021 7:00:55 AM
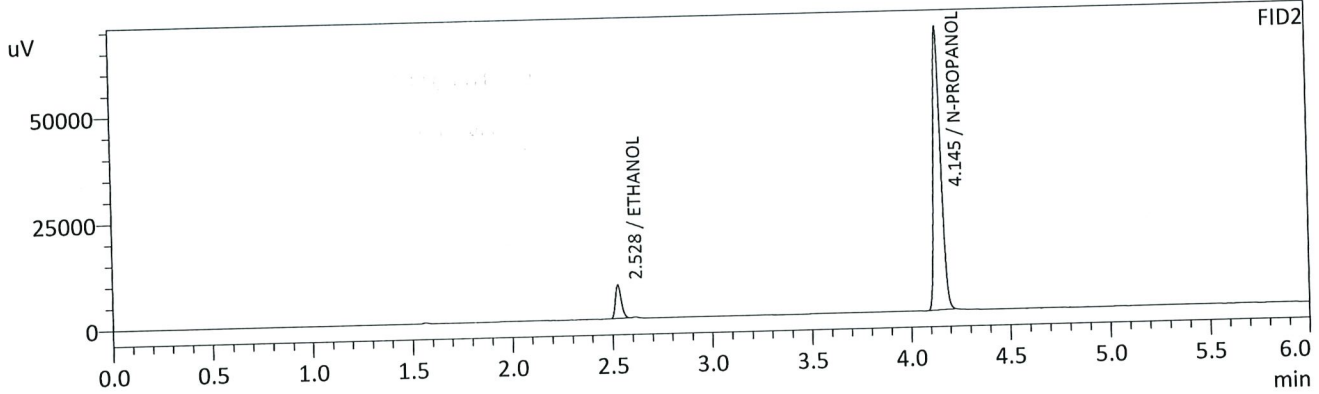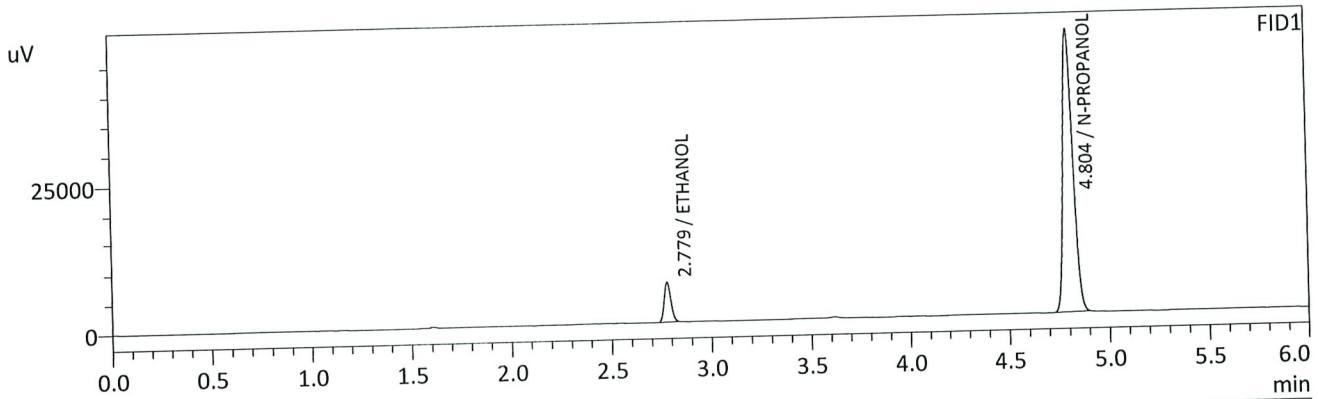
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0518	g/100cc	15749	6758
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167077	47860
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0528	g/100cc	15710	7854
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175013	66369
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.100
Vial #   : 2
Data Filename   : 0.100_6282021_002.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 10:29:15 AM
Date Processed   : 6/29/2021 7:00:57 AM

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1000	g/100cc	31715	13508
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170459	48650
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	32190	16050
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178578	67931
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.200
Vial #   : 3
Data Filename   : 0.200_6282021_003.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 10:38:18 AM
Date Processed   : 6/29/2021 7:00:58 AM

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1975	g/100cc	63188	27033
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170045	48466
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1965	g/100cc	64836	32898
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177979	67997
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.300
Vial #   : 4
Data Filename   : 0.300_6282021_004.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 10:46:54 AM
Date Processed : 6/29/2021 7:00:59 AM
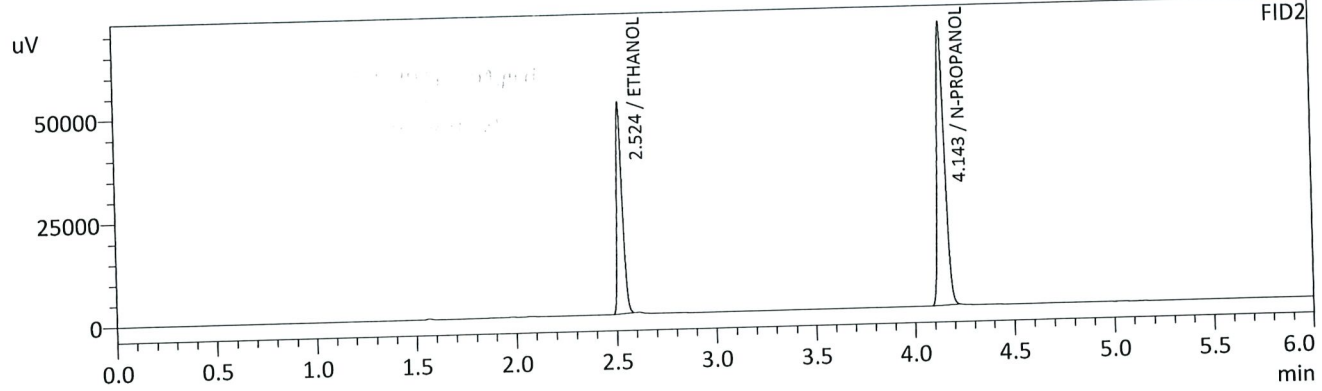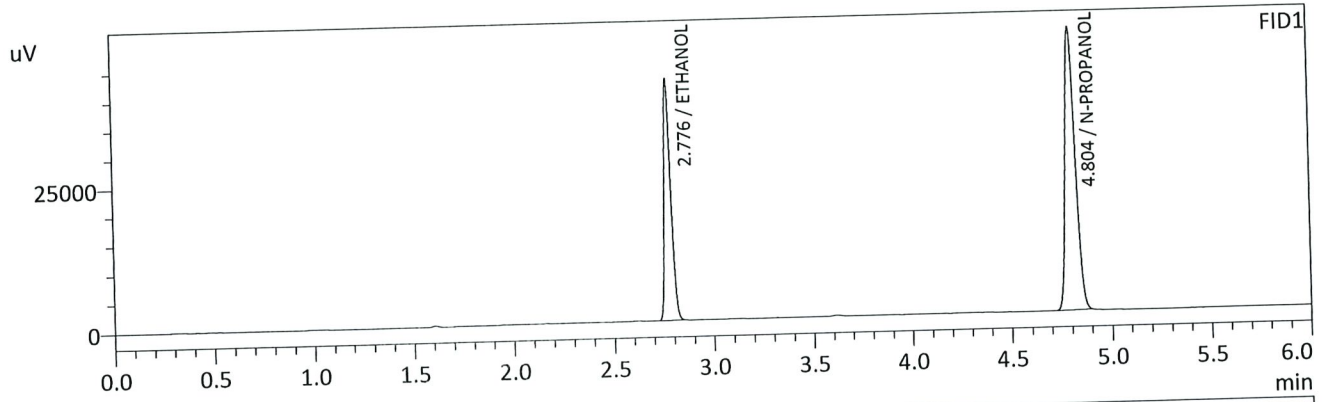
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2994	g/100cc	97210	41814
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171934	49144
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2984	g/100cc	100465	51059
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179714	68623
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.500
Vial #   : 5
Data Filename   : 0.500_6282021_005.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 10:55:40 AM
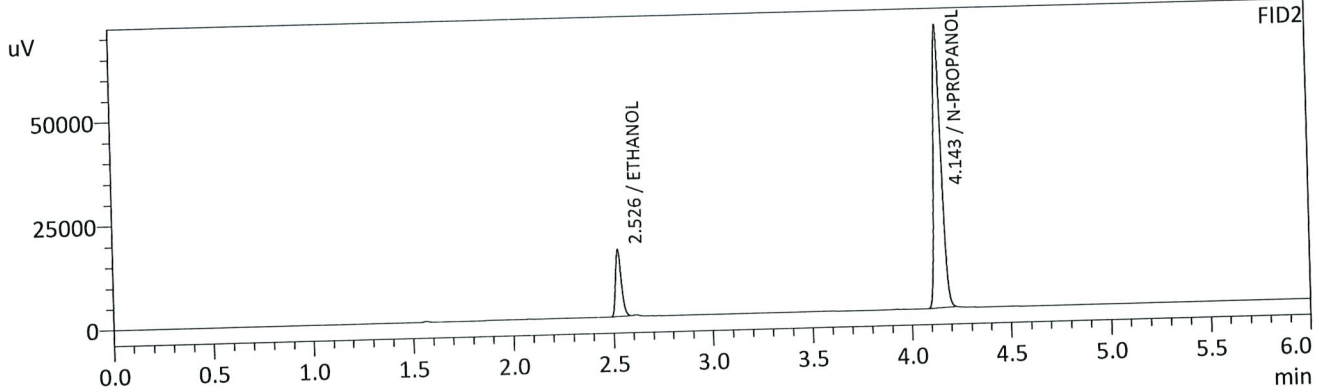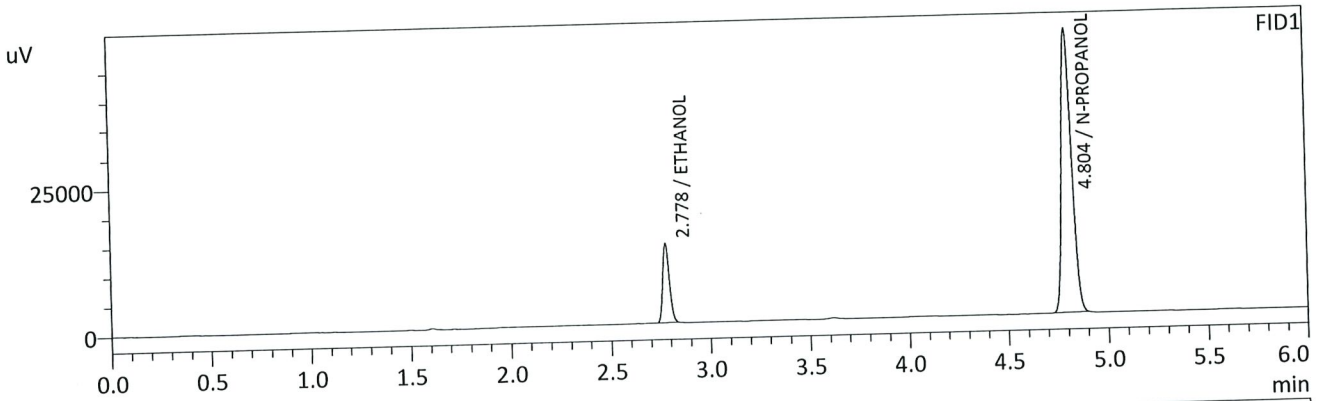Date Processed   : 6/29/2021 7:01:01 AM

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5011	g/100cc	163751	70941
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172537	49356
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5019	g/100cc	170730	87652
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180128	68748
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 1
Vial #   : 6
Data Filename   : INT STD BLK 1_6282021_006.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 11:04:41 AM
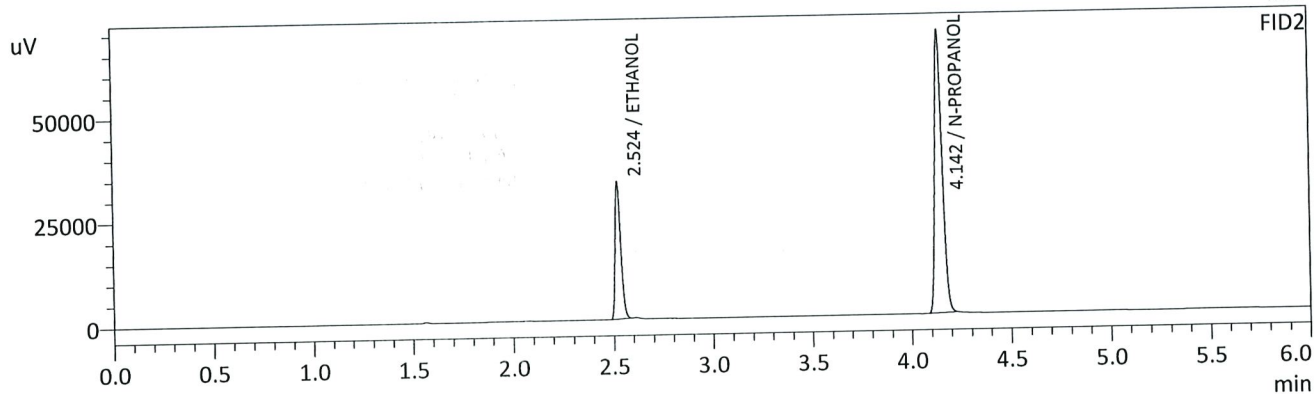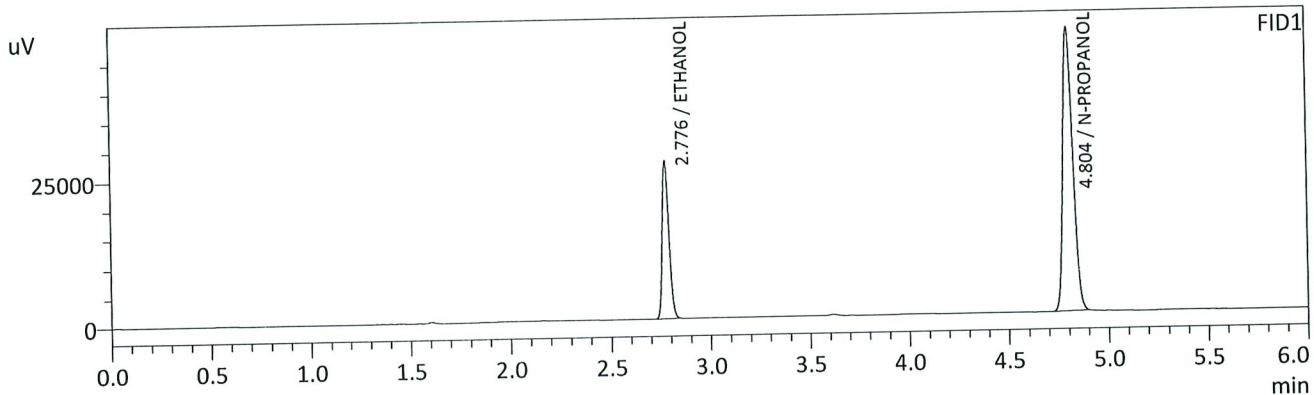Date Processed   : 6/29/2021 7:01:03 AM

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	158010	45054
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	165622	63353
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : MULTI-COMP MIX
Vial #   : 7
Data Filename   : MULTI-COMP MIX_6282021_007.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 11:13:25 AM
Date Processed : 6/29/2021 7:01:04 AM
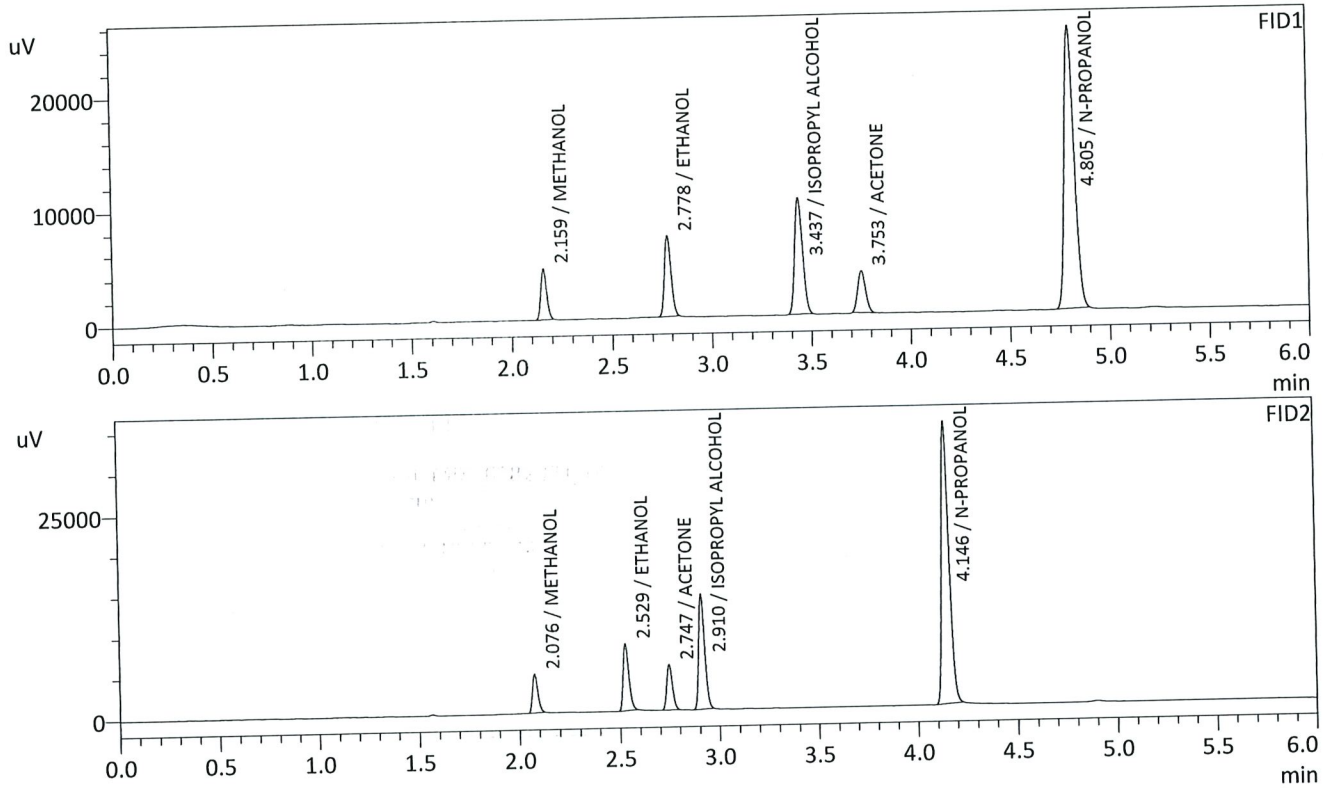
FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	8816	4388
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	16097	6987
ISOPROPYL ALCOHOL	0.0000	g/100cc	28202	10176
ACETONE	0.0000	g/100cc	10243	3616
N-PROPANOL	0.0000	g/100cc	86420	24749
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	8794	4694
ETHANOL	0.1000	g/100cc	16253	8137
ACETONE	0.0000	g/100cc	10967	5533
ISOPROPYL ALCOHOL	0.0000	g/100cc	29219	14040
N-PROPANOL	0.0000	g/100cc	90345	34498
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : INT STD BLK 2
Vial #   : 8
Data Filename   : INT STD BLK 2_6282021_008.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 11:22:22 AM
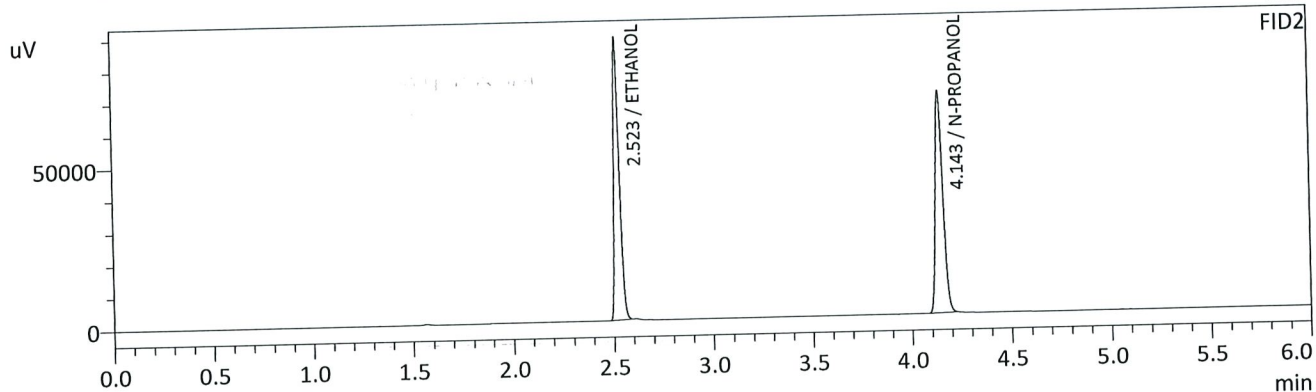Date Processed   : 6/29/2021 7:01:06 AM
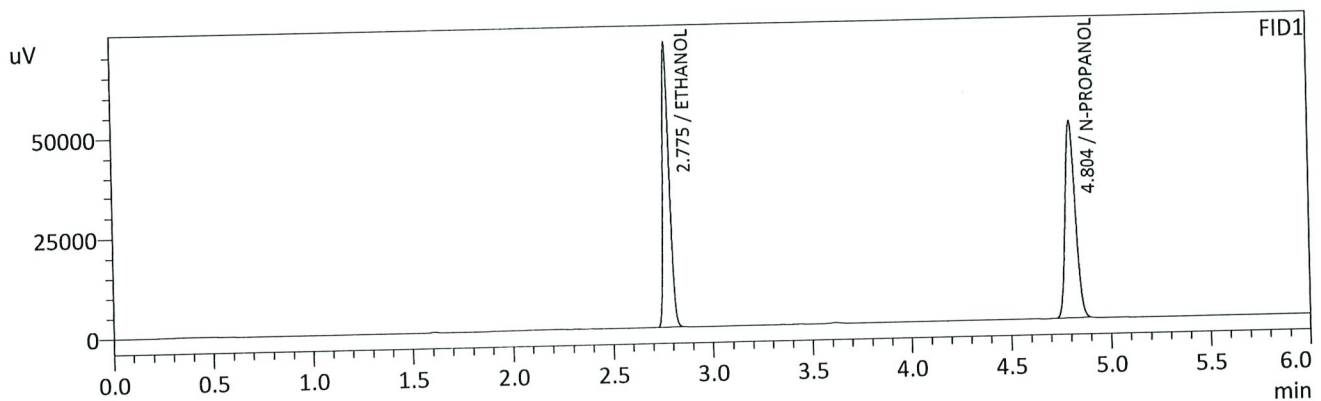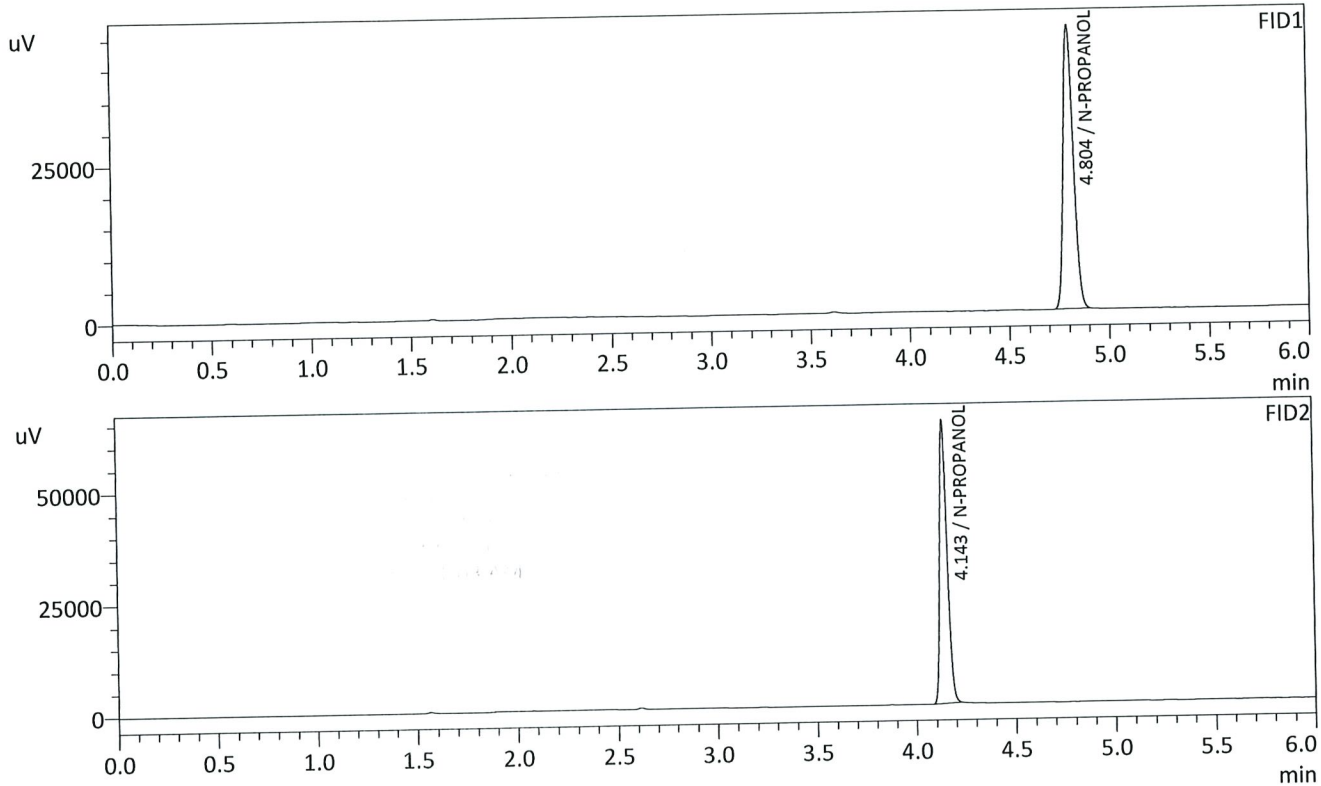

FID1

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	165287	47390
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	173222	65841
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1   **Analysis Date(s): 06-28-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0746	0.0749	0.0003	0.0747	0.0001	0.0747
(g/100cc)	0.0745	0.0748	0.0003	0.0746		

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
0.074	0.070	0.078	0.004

	Reported Result	
	0.074	

Calibration and control data are stored centrally.

TS

Sample Name   : QC-1-1-A
Vial #   : 9
Data Filename   : QC-1-1-A_6282021_009.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 11:31:17 AM
Date Processed   : 6/29/2021 7:01:07 AM
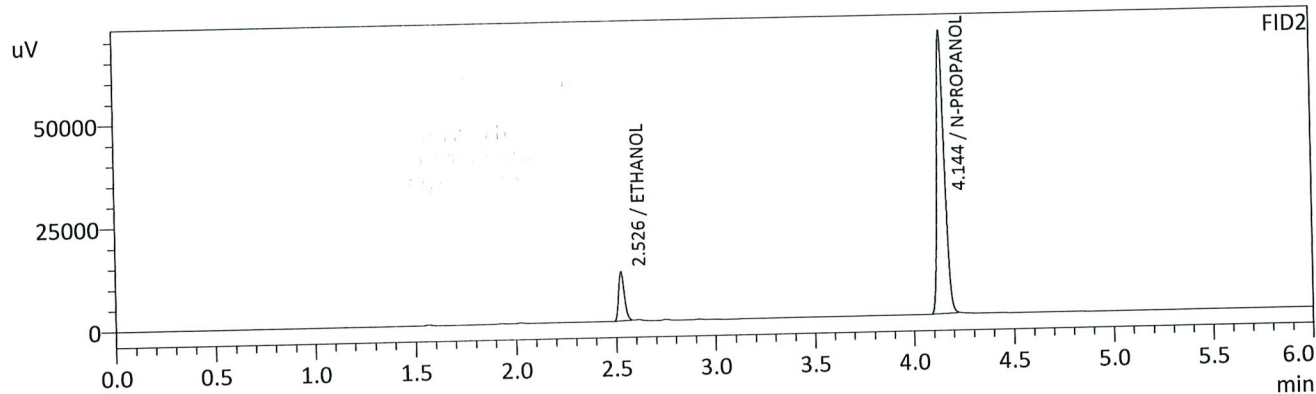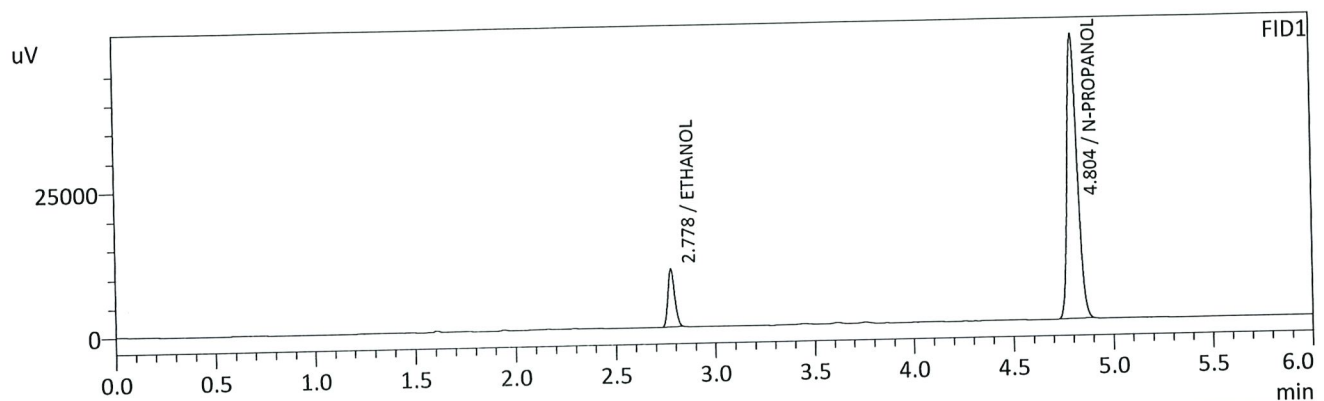
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0746	g/100cc	23658	10063
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171702	49126
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0749	g/100cc	23817	11887
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180492	68247
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : QC-1-1-B
Vial #   : 10
Data Filename   : QC-1-1-B_6282021_010.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 11:40:07 AM
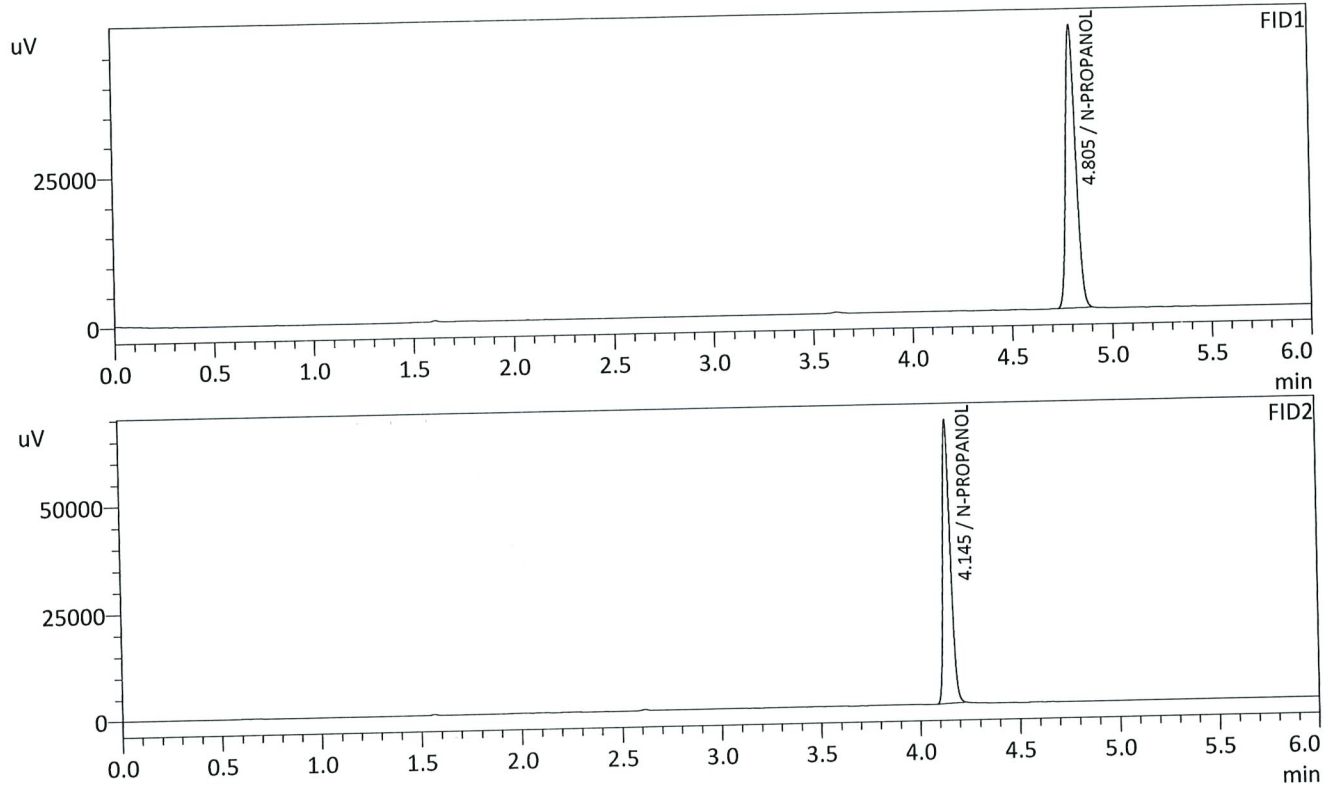Date Processed   : 6/29/2021 7:01:08 AM

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0745	g/100cc	23745	10093
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172576	49198
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0748	g/100cc	23895	11885
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181322	69049
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 QA   **Analysis Date(s): 06-28-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0807	0.0808	0.0001	0.0807		
(g/100cc)	0.0815	0.0813	0.0002	0.0814	0.0007	0.0810

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
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

Sample Name   : 0.08 QA - A
Vial #   : 11
Data Filename   : 0.08 QA - A_6282021_011.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
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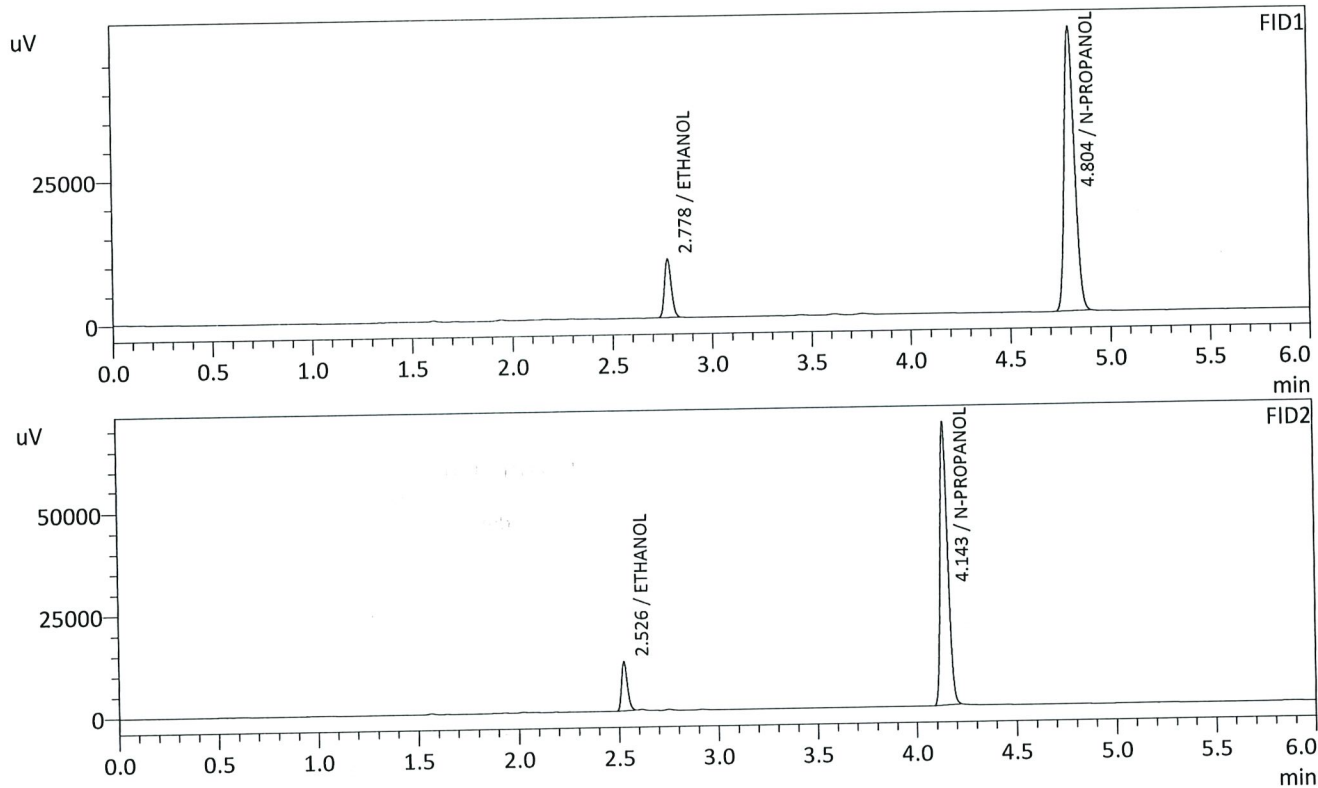Date Processed   : 6/29/2021 7:01:10 AM

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0807	g/100cc	25849	10975
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173124	49572
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	26028	12922
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181648	69037
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.08 QA - B
Vial #   : 12
Data Filename   : 0.08 QA - B_6282021_012.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 11:57:38 AM
Date Processed   : 6/29/2021 7:01:11 AM

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0815	g/100cc	24892	10581
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165097	47287
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

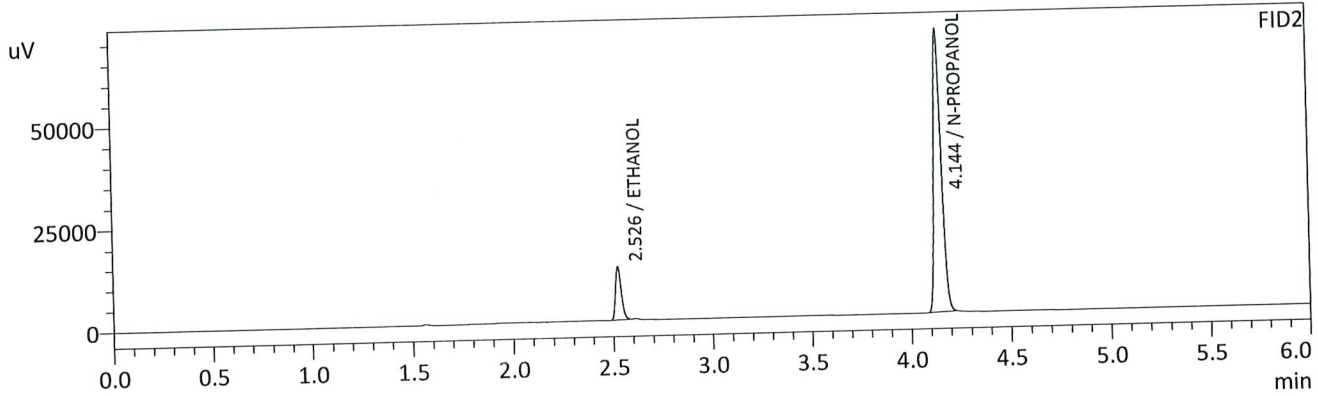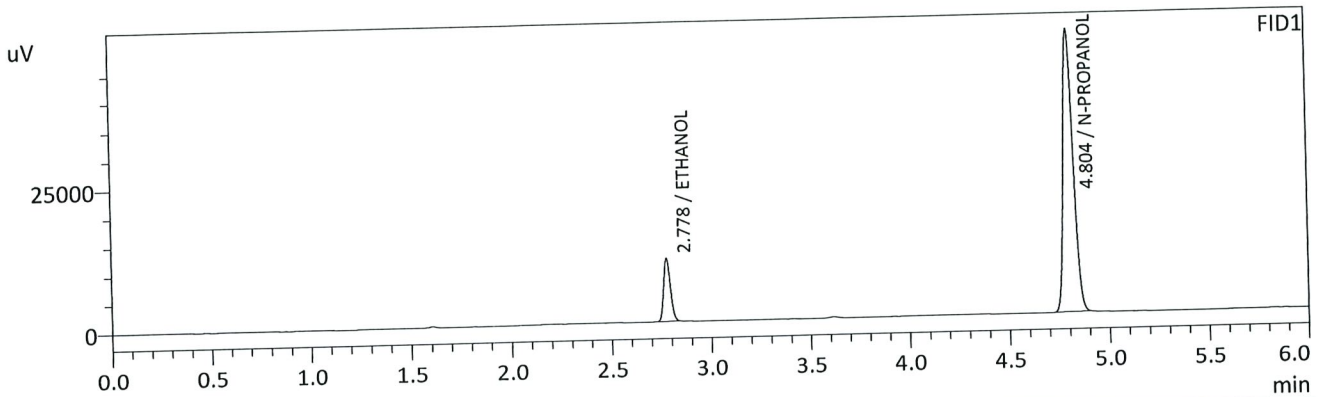| Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	24990	12542
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173264	65603
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1   **Analysis Date(s): 06-28-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2137	0.2121	0.0016	0.2129		
					0.0013	0.2122
(g/100cc)	0.2123	0.2110	0.0013	0.2116		

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
0.212	0.201	0.223	0.011

	Reported Result	
	0.212	

Calibration and control data are stored centrally.

Sample Name   : QC-2-1-A
Vial #   : 31
Data Filename   : QC-2-1-A_6282021_031.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
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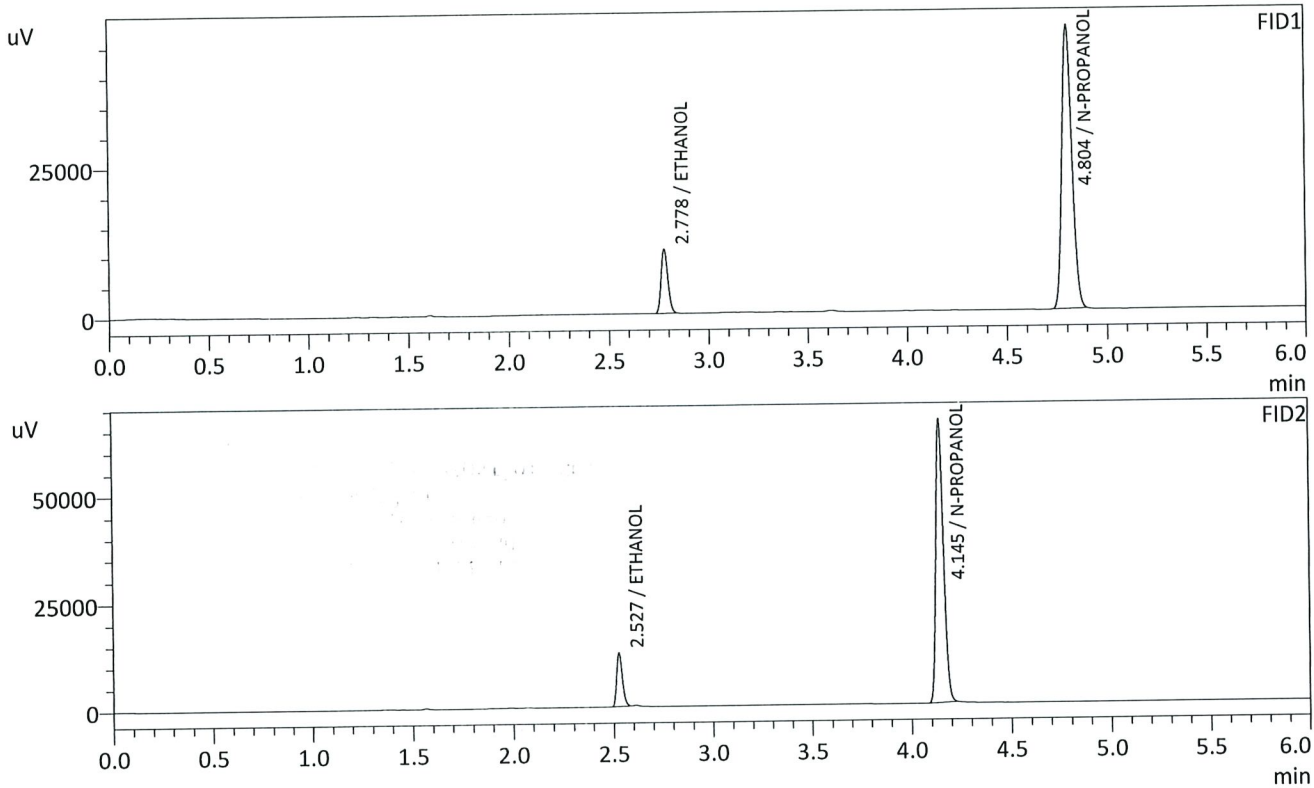Date Processed   : 6/29/2021 7:01:37 AM
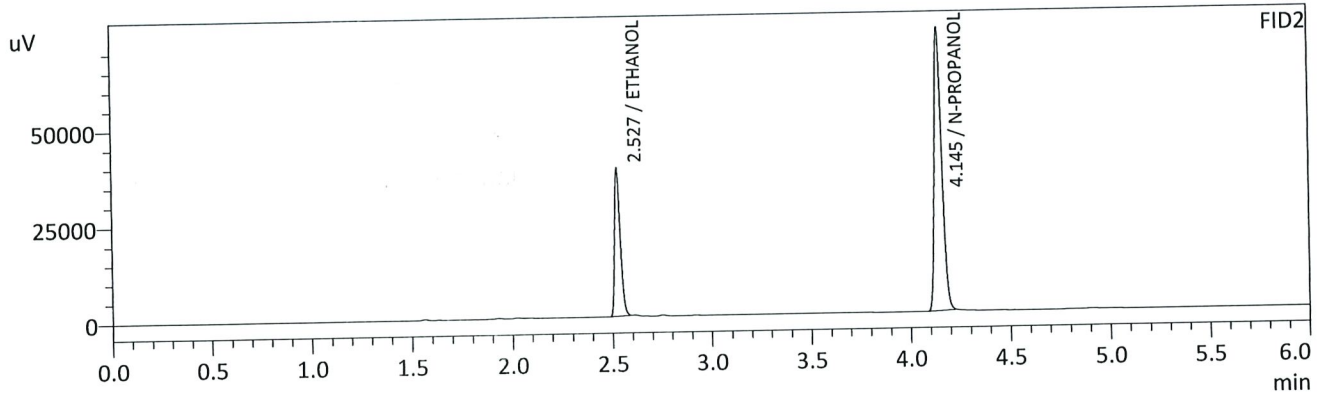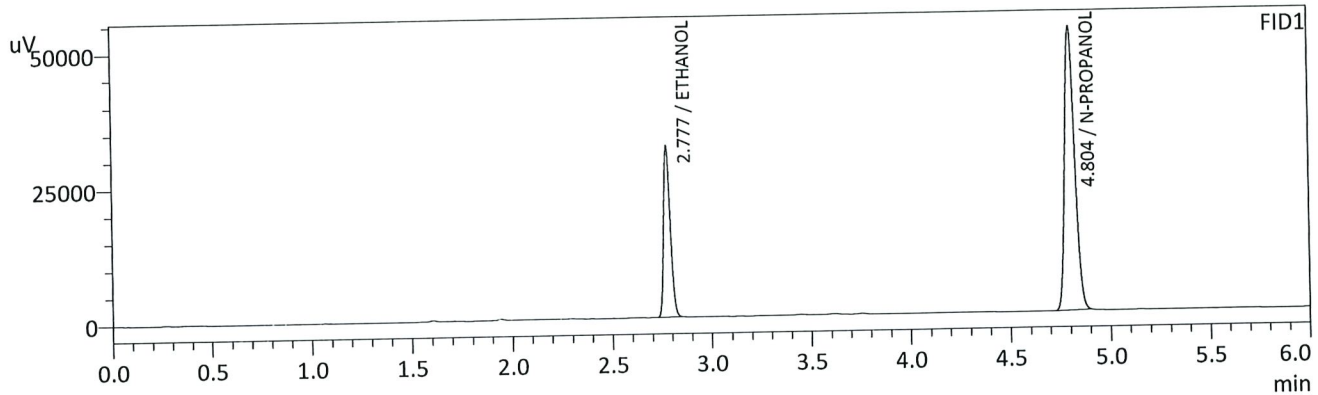
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2137	g/100cc	73638	31278
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183039	52312
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2121	g/100cc	75703	38329
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192034	73204
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC-2-1-B
Vial #   : 32
Data Filename   : QC-2-1-B_6282021_032.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 2:54:17 PM
Date Processed : 6/29/2021 7:01:38 AM

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2123	g/100cc	71171	30262
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178021	50916
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2110	g/100cc	73112	37026
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186531	70988
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2   **Analysis Date(s):** 06-28-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0778	0.0778	0.0000	0.0778		
(g/100cc)	0.0776	0.0776	0.0000	0.0776	0.0002	0.0777

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.

Sample Name   : QC1-2-A
Vial #   : 53
Data Filename   : QC1-2-A_6282021_053.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
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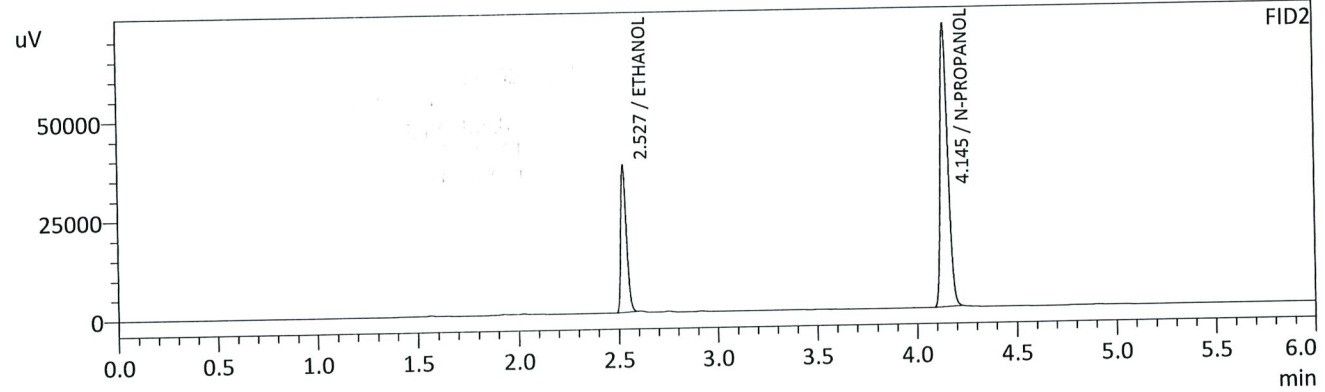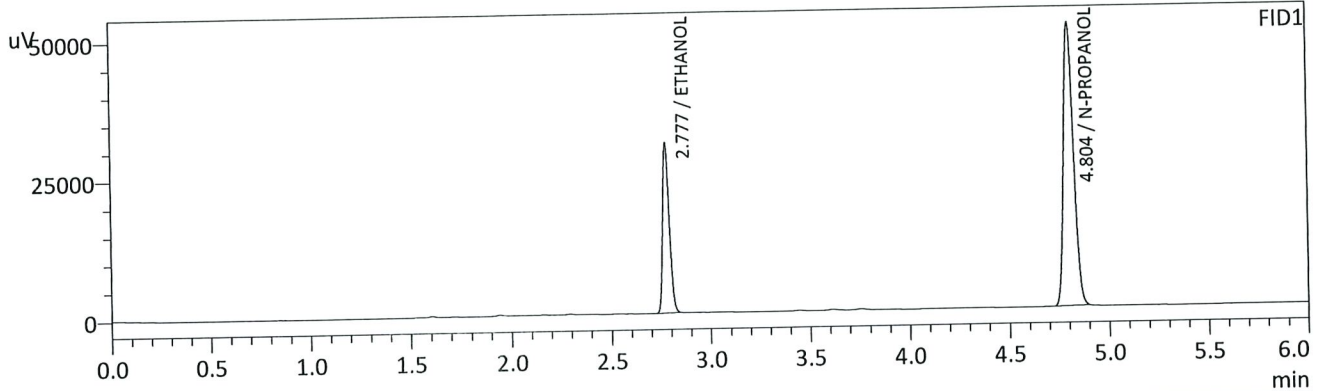Date Processed   : 6/29/2021 7:02:07 AM
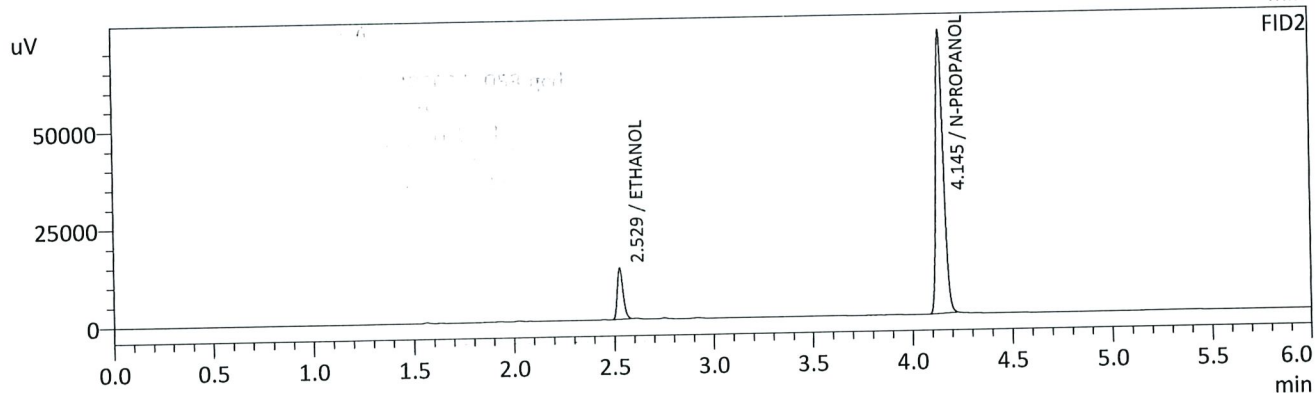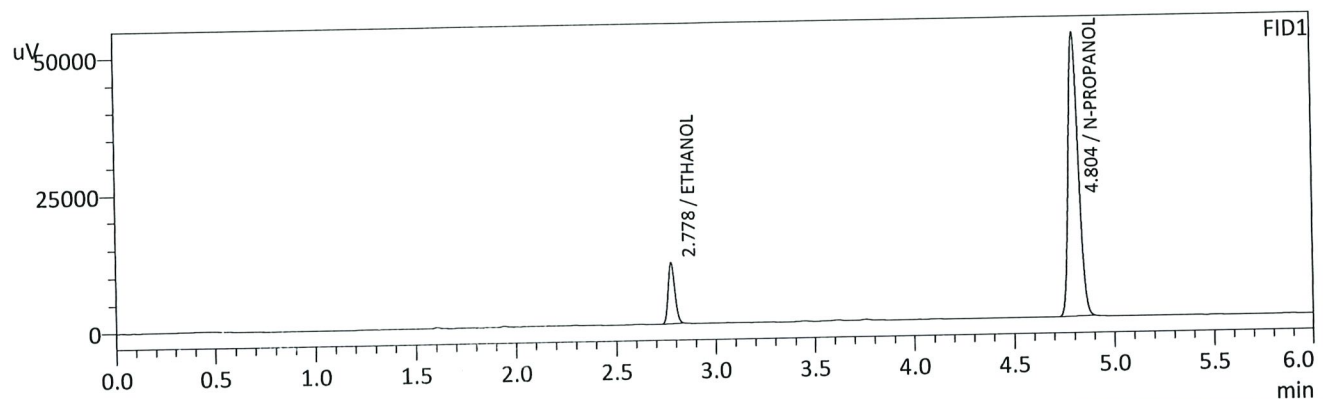
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0778	g/100cc	25957	11038
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180567	51693
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0778	g/100cc	26069	13019
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189453	72271
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-2-B
Vial #   : 54
Data Filename   : QC1-2-B_6282021_054.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 6:09:12 PM
Date Processed   : 6/29/2021 7:02:08 AM

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0776	g/100cc	25294	10760
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176306	50612
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0776	g/100cc	25408	12677
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185127	70297
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2   **Analysis Date(s):** 06-28-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2129	0.2116	0.0013	0.2122	0.0025	0.2135
(g/100cc)	0.2151 0.2152	0.2144	0.0007	0.2147		

Analysis Method   TS 07/01/2021

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
0.213	0.202	0.224	0.011

	Reported Result	
	0.213	

Calibration and control data are stored centrally.

TS

Sample Name   : QC2-2-A
Vial #   : 67
Data Filename   : QC2-2-A_6282021_067.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 8:02:58 PM
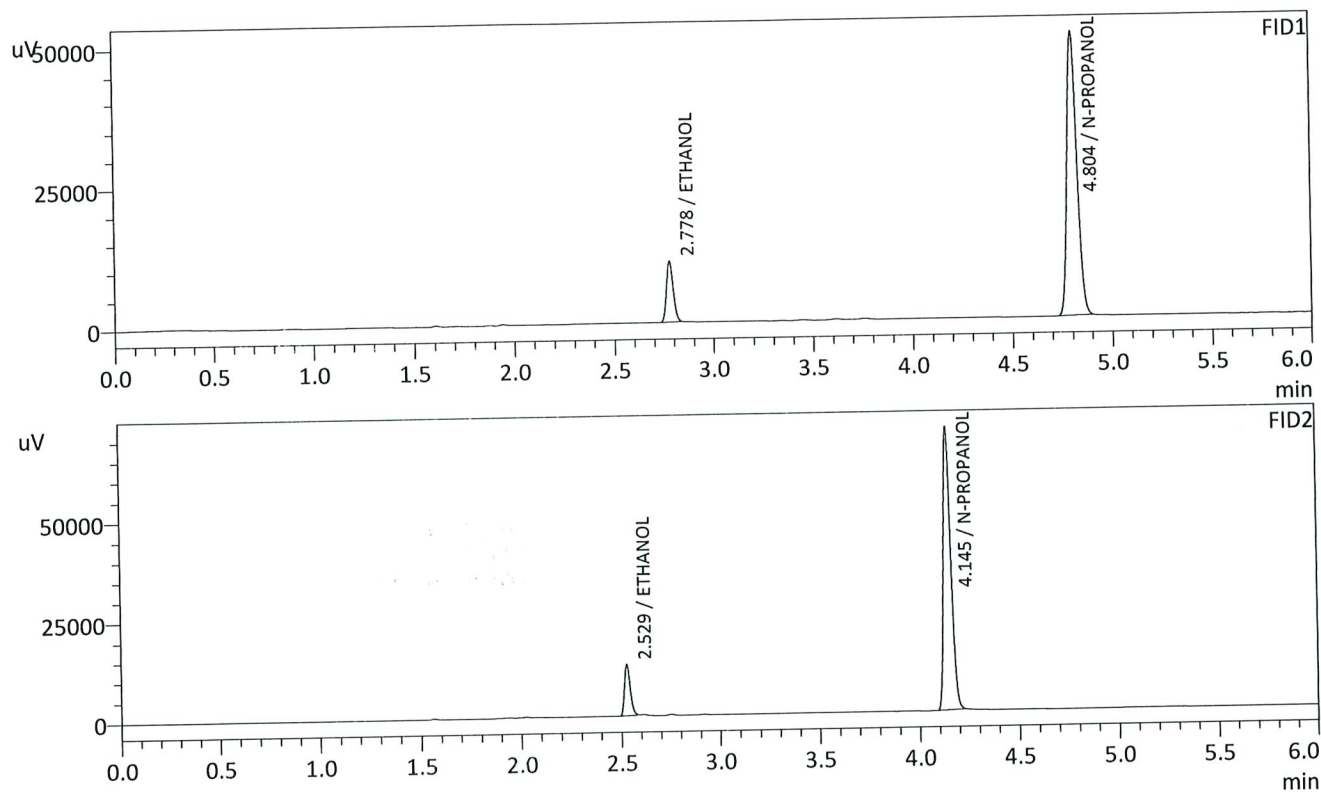Date Processed   : 6/29/2021 7:02:25 AM
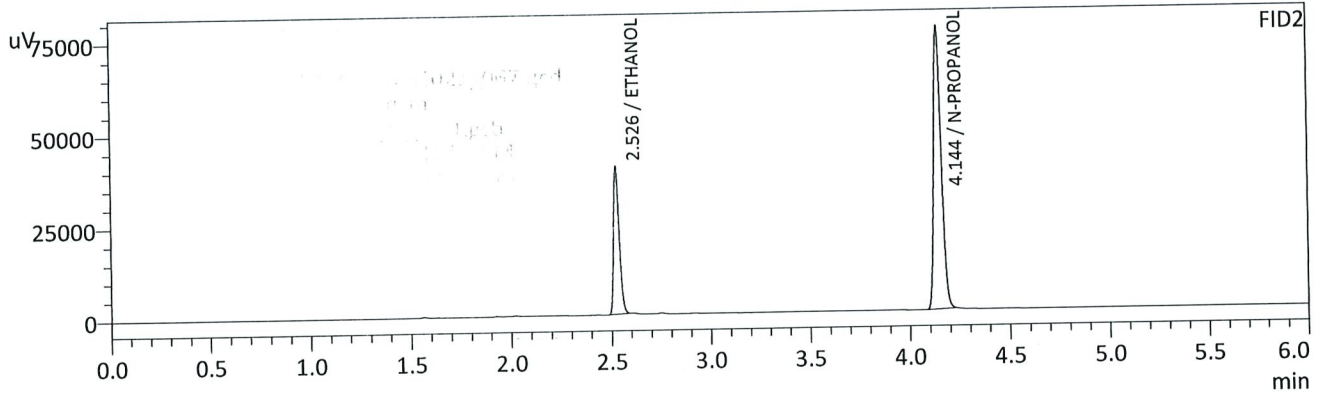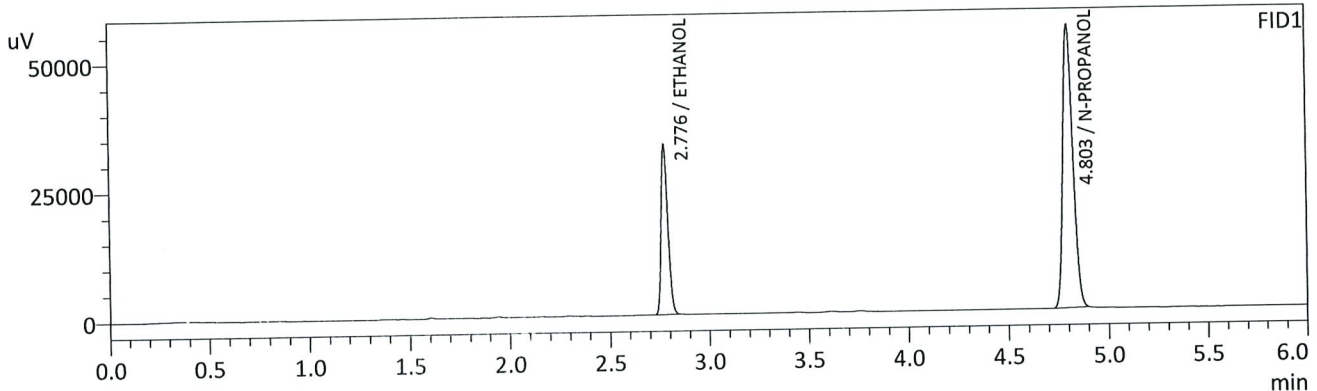
FID1

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2129	g/100cc	77039	32878
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192190	54887
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2116	g/100cc	79106	39889
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201177	76162
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC2-2-B
Vial #   : 68
Data Filename   : QC2-2-B_6282021_068.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 06-28-21_ts_post.gcb
Date Acquired   : 6/28/2021 8:12:11 PM
Date Processed   : 6/29/2021 7:02:26 AM

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2152	g/100cc	75766	32236
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186947	53471
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2144	g/100cc	77750	39359
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	195116	74489
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 3
Vial #   : 69
Data Filename : INT STD BLK 3_6282021_069.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 06-28-21_ts_post.gcb
Date Acquired : 6/28/2021 8:20:39 PM
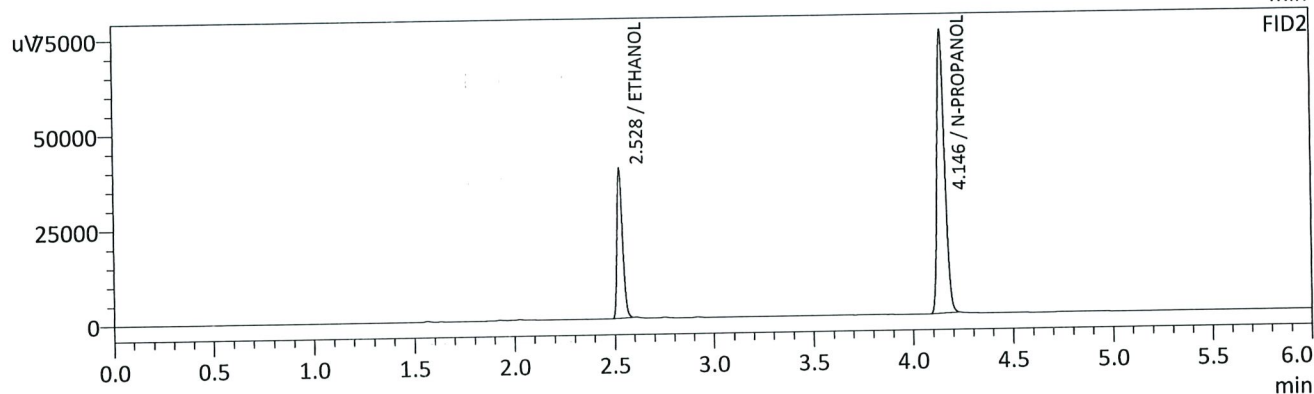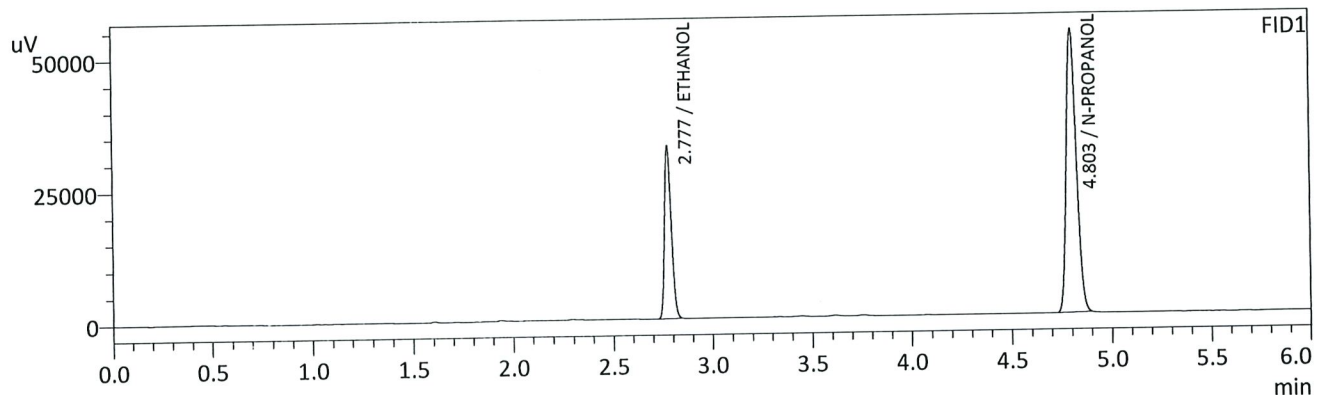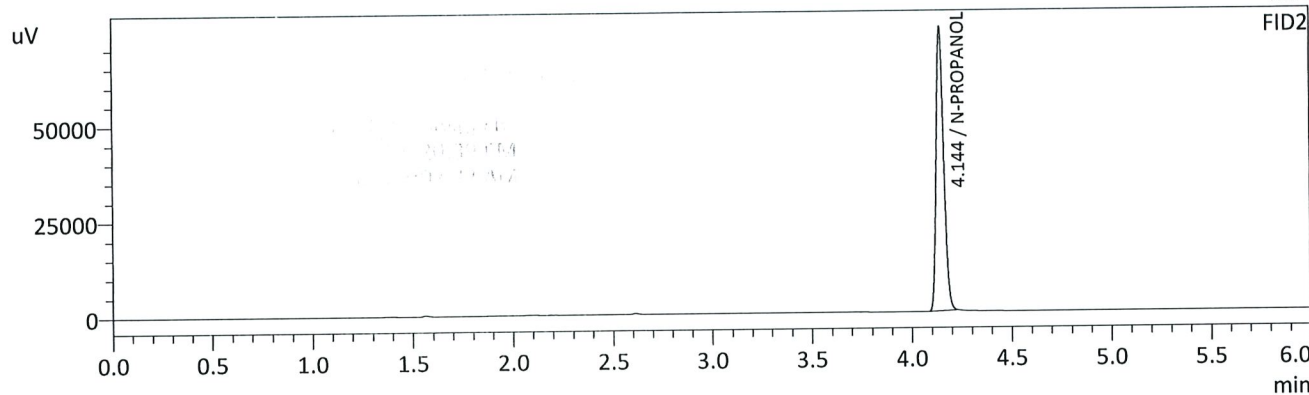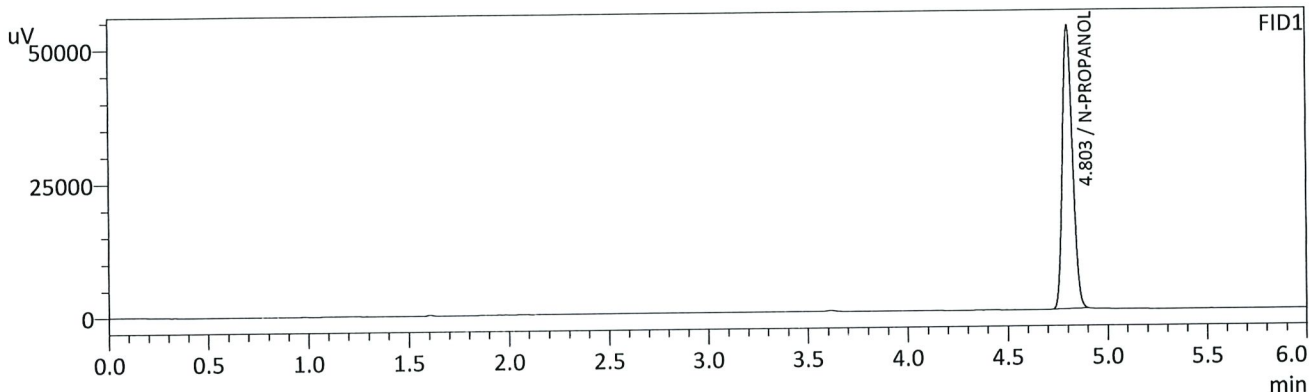Date Processed : 6/29/2021 7:02:27 AM

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	184777	52757
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	194048	73891
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

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
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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm	0.050_6282021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_6282021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_6282021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_6282021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_6282021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_6282021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_6282021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_6282021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_6282021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_6282021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_6282021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_6282021_012.gcd	0
13	P2021-1847-1-A	0:Unknown	ALCOHOL.gcm	P2021-1847-1-A_6282021_013.gcd	0
14	P2021-1847-1-B	0:Unknown	ALCOHOL.gcm	P2021-1847-1-B_6282021_014.gcd	0
15	P2021-1849-1-A	0:Unknown	ALCOHOL.gcm	P2021-1849-1-A_6282021_015.gcd	0
16	P2021-1849-1-B	0:Unknown	ALCOHOL.gcm	P2021-1849-1-B_6282021_016.gcd	0
17	P2021-1851-1-A	0:Unknown	ALCOHOL.gcm	P2021-1851-1-A_6282021_017.gcd	0
18	P2021-1851-1-B	0:Unknown	ALCOHOL.gcm	P2021-1851-1-B_6282021_018.gcd	0
19	P2021-1852-1-A	0:Unknown	ALCOHOL.gcm	P2021-1852-1-A_6282021_019.gcd	0
20	P2021-1852-1-B	0:Unknown	ALCOHOL.gcm	P2021-1852-1-B_6282021_020.gcd	0
21	P2021-1859-1-A	0:Unknown	ALCOHOL.gcm	P2021-1859-1-A_6282021_021.gcd	0
22	P2021-1859-1-B	0:Unknown	ALCOHOL.gcm	P2021-1859-1-B_6282021_022.gcd	0
23	P2021-1862-1-A	0:Unknown	ALCOHOL.gcm	P2021-1862-1-A_6282021_023.gcd	0
24	P2021-1862-1-B	0:Unknown	ALCOHOL.gcm	P2021-1862-1-B_6282021_024.gcd	0
25	P2021-1863-1-A	0:Unknown	ALCOHOL.gcm	P2021-1863-1-A_6282021_025.gcd	0
26	P2021-1863-1-B	0:Unknown	ALCOHOL.gcm	P2021-1863-1-B_6282021_026.gcd	0
27	P2021-1864-1-A	0:Unknown	ALCOHOL.gcm	P2021-1864-1-A_6282021_027.gcd	0
28	P2021-1864-1-B	0:Unknown	ALCOHOL.gcm	P2021-1864-1-B_6282021_028.gcd	0
29	P2021-1867-1-A	0:Unknown	ALCOHOL.gcm	P2021-1867-1-A_6282021_029.gcd	0
30	P2021-1867-1-B	0:Unknown	ALCOHOL.gcm	P2021-1867-1-B_6282021_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_6282021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_6282021_032.gcd	0
33	P2021-1868-1-A	0:Unknown	ALCOHOL.gcm	P2021-1868-1-A_6282021_033.gcd	0
34	P2021-1868-1-B	0:Unknown	ALCOHOL.gcm	P2021-1868-1-B_6282021_034.gcd	0
35	P2021-1871-1-A	0:Unknown	ALCOHOL.gcm	P2021-1871-1-A_6282021_035.gcd	0
36	P2021-1871-1-B	0:Unknown	ALCOHOL.gcm	P2021-1871-1-B_6282021_036.gcd	0
37	P2021-1872-1-A	0:Unknown	ALCOHOL.gcm	P2021-1872-1-A_6282021_037.gcd	0
38	P2021-1872-1-B	0:Unknown	ALCOHOL.gcm	P2021-1872-1-B_6282021_038.gcd	0
39	P2021-1900-1-A	0:Unknown	ALCOHOL.gcm	P2021-1900-1-A_6282021_039.gcd	0
40	P2021-1900-1-B	0:Unknown	ALCOHOL.gcm	P2021-1900-1-B_6282021_040.gcd	0
41	P2021-1901-1-A	0:Unknown	ALCOHOL.gcm	P2021-1901-1-A_6282021_041.gcd	0
42	P2021-1901-1-B	0:Unknown	ALCOHOL.gcm	P2021-1901-1-B_6282021_042.gcd	0
43	P2021-1906-1-A	0:Unknown	ALCOHOL.gcm	P2021-1906-1-A_6282021_043.gcd	0
44	P2021-1906-1-B	0:Unknown	ALCOHOL.gcm	P2021-1906-1-B_6282021_044.gcd	0
45	P2021-1907-1-A	0:Unknown	ALCOHOL.gcm	P2021-1907-1-A_6282021_045.gcd	0
46	P2021-1907-1-B	0:Unknown	ALCOHOL.gcm	P2021-1907-1-B_6282021_046.gcd	0
47	P2021-1908-1-A	0:Unknown	ALCOHOL.gcm	P2021-1908-1-A_6282021_047.gcd	0
48	P2021-1908-1-B	0:Unknown	ALCOHOL.gcm	P2021-1908-1-B_6282021_048.gcd	0
49	P2021-1909-1-A	0:Unknown	ALCOHOL.gcm	P2021-1909-1-A_6282021_049.gcd	0
50	P2021-1909-1-B	0:Unknown	ALCOHOL.gcm	P2021-1909-1-B_6282021_050.gcd	0
51	P2021-1910-1-A	0:Unknown	ALCOHOL.gcm	P2021-1910-1-A_6282021_051.gcd	0
52	P2021-1910-1-B	0:Unknown	ALCOHOL.gcm	P2021-1910-1-B_6282021_052.gcd	0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_6282021_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_6282021_054.gcd	0
55	P2021-1915-1-A	0:Unknown	ALCOHOL.gcm	P2021-1915-1-A_6282021_055.gcd	0
56	P2021-1915-1-B	0:Unknown	ALCOHOL.gcm	P2021-1915-1-B_6282021_056.gcd	0
57	P2021-1916-1-A	0:Unknown	ALCOHOL.gcm	P2021-1916-1-A_6282021_057.gcd	0
58	P2021-1916-1-B	0:Unknown	ALCOHOL.gcm	P2021-1916-1-B_6282021_058.gcd	0
59	P2021-1917-1-A	0:Unknown	ALCOHOL.gcm	P2021-1917-1-A_6282021_059.gcd	0
60	P2021-1917-1-B	0:Unknown	ALCOHOL.gcm	P2021-1917-1-B_6282021_060.gcd	0
61	P2021-1926-1-A	0:Unknown	ALCOHOL.gcm	P2021-1926-1-A_6282021_061.gcd	0
62	P2021-1926-1-B	0:Unknown	ALCOHOL.gcm	P2021-1926-1-B_6282021_062.gcd	0
63	P2021-1978-1-A	0:Unknown	ALCOHOL.gcm	P2021-1978-1-A_6282021_063.gcd	0
64	P2021-1978-1-B	0:Unknown	ALCOHOL.gcm	P2021-1978-1-B_6282021_064.gcd	0
65	P2021-1990-1-A	0:Unknown	ALCOHOL.gcm	P2021-1990-1-A_6282021_065.gcd	0
66	P2021-1990-1-B	0:Unknown	ALCOHOL.gcm	P2021-1990-1-B_6282021_066.gcd	0
67	QC2-2-A	0:Unknown	ALCOHOL.gcm	QC2-2-A_6282021_067.gcd	0
68	QC2-2-B	0:Unknown	ALCOHOL.gcm	QC2-2-B_6282021_068.gcd	0
69	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_6282021_069.gcd	0