




















13

6/29/2021

Worklist: 5071

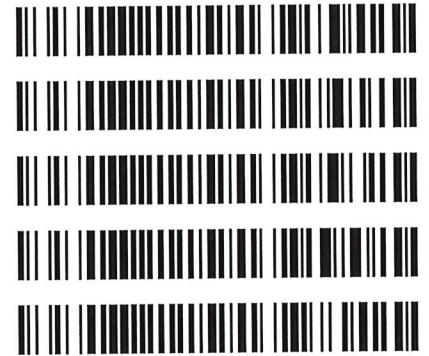
<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-1563	2	BCK	Alcohol Analysis	
P2021-1952	1	UCK	Alcohol Analysis	
P2021-1991	2	BCK	Alcohol Analysis	
P2021-1994	1	BCK	Alcohol Analysis	
P2021-1995	1	BCK	Alcohol Analysis	
P2021-1996	1	BCK	Alcohol Analysis	
P2021-2013	1	BCK	Alcohol Analysis	
P2021-2021	1	BCK	Alcohol Analysis	
P2021-2022	1	BCK	Alcohol Analysis	
P2021-2032	1	BCK	Alcohol Analysis	
P2021-2033	1	BCK	Alcohol Analysis	
P2021-2093	1	BCK	Alcohol Analysis	
P2021-2094	1	BCK	Alcohol Analysis	
P2021-2094	2	BCK	Alcohol Analysis	
P2021-2095	1	BCK	Alcohol Analysis	
P2021-2095	2	BCK	Alcohol Analysis	
P2021-2152	1	BCK	Alcohol Analysis	
P2021-2166	1	BCK	Alcohol Analysis	
P2021-2167	1	BCK	Alcohol Analysis	
P2021-2168	1	BCK	Alcohol Analysis	
P2021-2169	1	BCK	Alcohol Analysis	

*P2021-1909 from worklist 5068 was also included with this run.

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Worklist: 5071

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-2170	1	BCK	Alcohol Analysis
P2021-2171	1	BCK	Alcohol Analysis
P2021-2172	1	BCK	Alcohol Analysis
P2021-2173	1	BCK	Alcohol Analysis
P2021-2196	1	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): 06-29-2021

Calibration curve ran on 06/28/21 --worklist 5068

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0743 g/100cc 0.0774 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2102 g/100cc 0.2114 g/100cc g/100cc
Multi-Component mixture:		Lot #	FN06041902		ok
Curve Fit:		Column 1	0.99991	Column2	0.99979

REVIEWED

By RCutler at 8:40 am, Jul 01, 2021

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	0.080 g/100cc

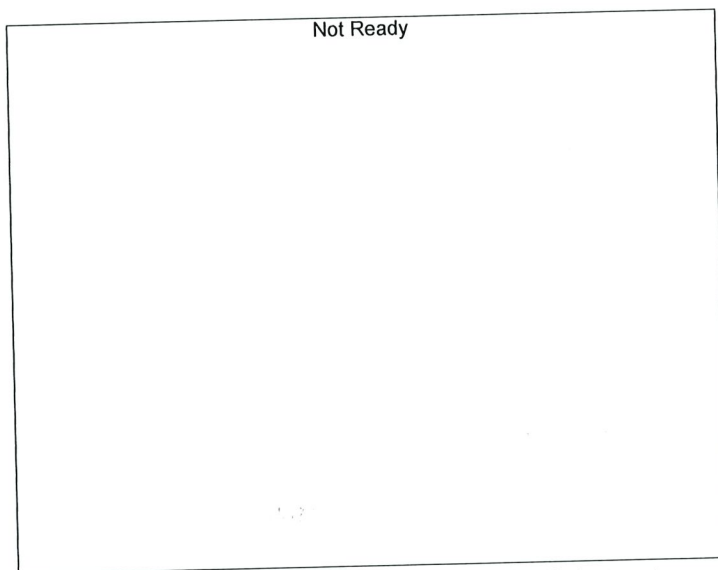


B

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

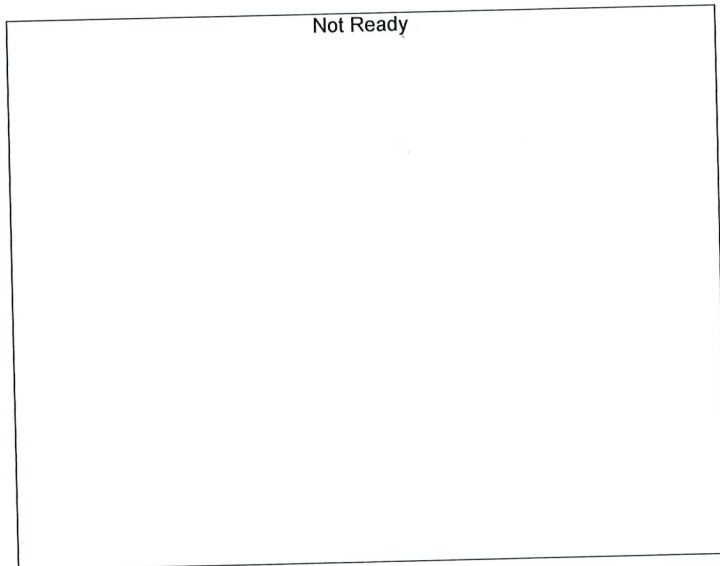
Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Method File>> :C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm ✓
Method File :12/3/2020 11:18:14 AM
Date Created :6/29/2021 7:01:01 AM
Date Modified



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

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

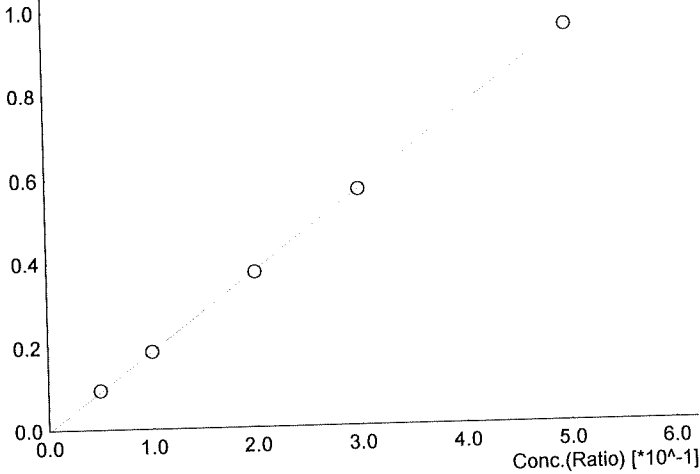


Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

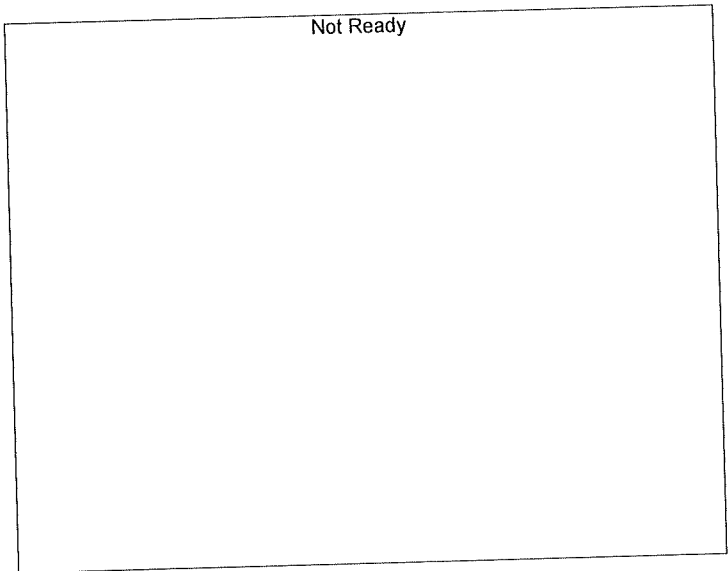
B

Area Ratio
[*10^0]



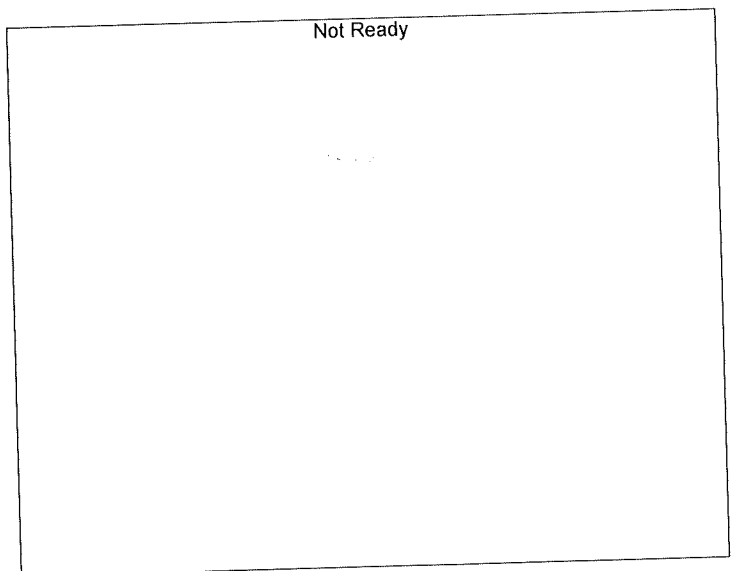
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.90254*x-0.00430684$
 R^2 value= 0.9999165 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	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



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

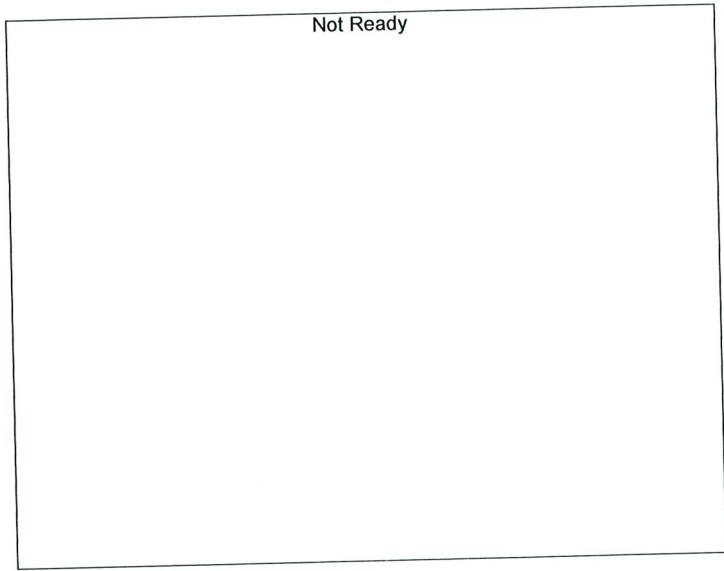
#	Conc.	Area	Std. Conc.
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Name : ACETONE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

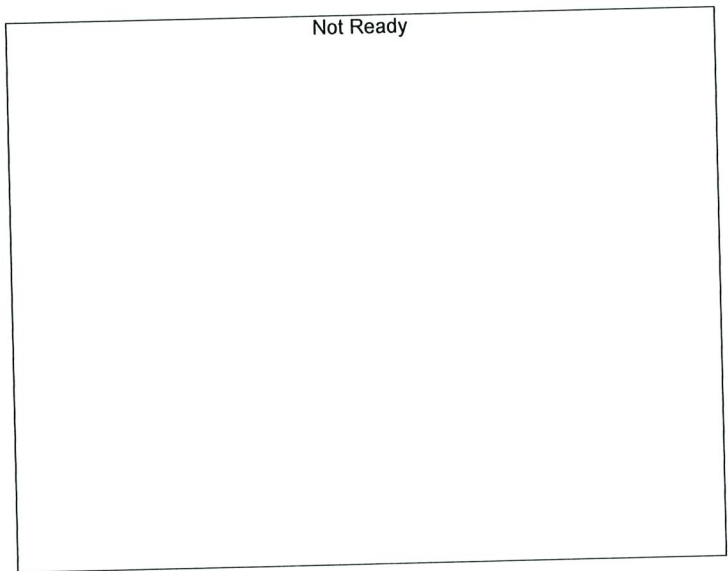
#	Conc.	Area	Std. Conc.
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15



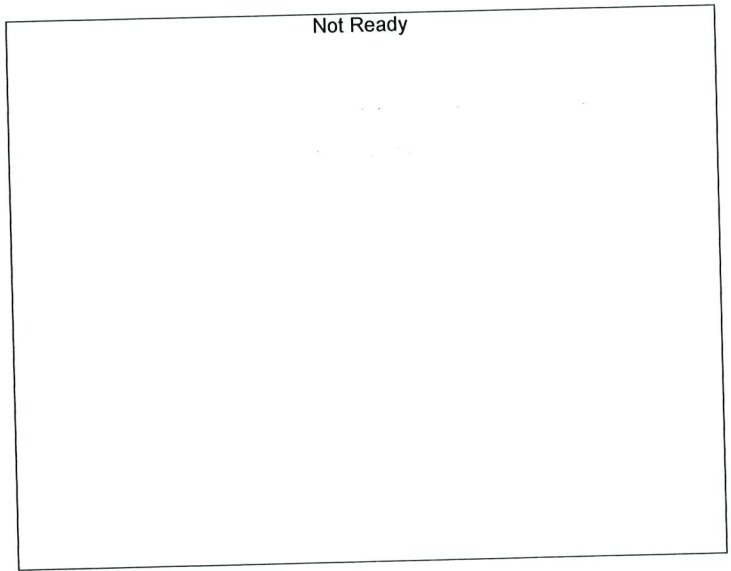
Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



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

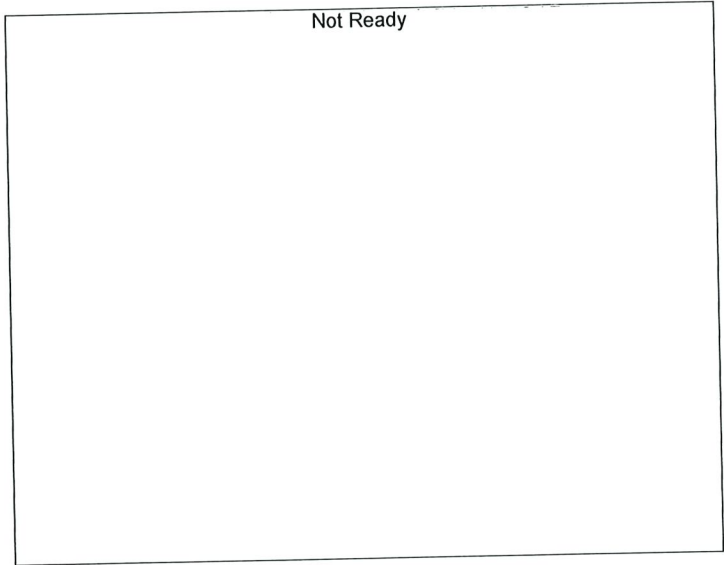
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

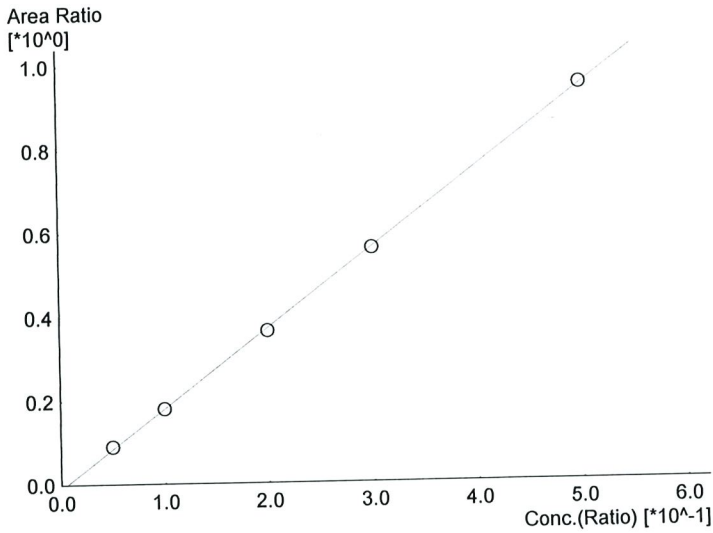
#	Conc.	Area	Std. Conc.
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B



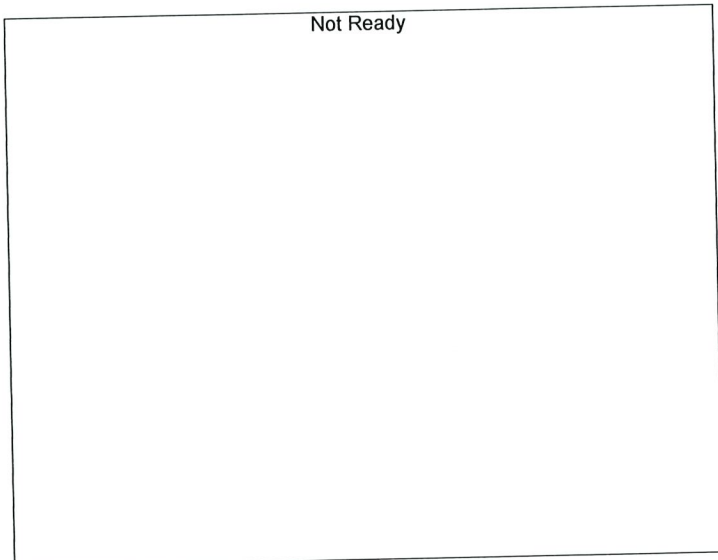
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=1.91035*x-0.0111483$
 R² value= 0.9997940 ✓
 FitType: Linear
 ZeroThrough: Not Through

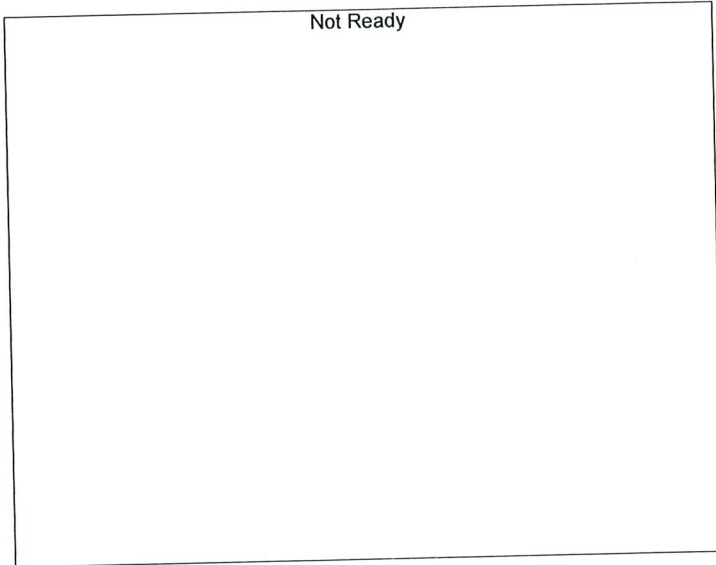
#	Conc.	Area	Std. Conc.
1	0.050	15710	0.0528
2	0.100	32190	0.1001
3	0.200	64836	0.1965
4	0.300	100465	0.2984
5	0.500	170730	0.5019



Name : ACETONE
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

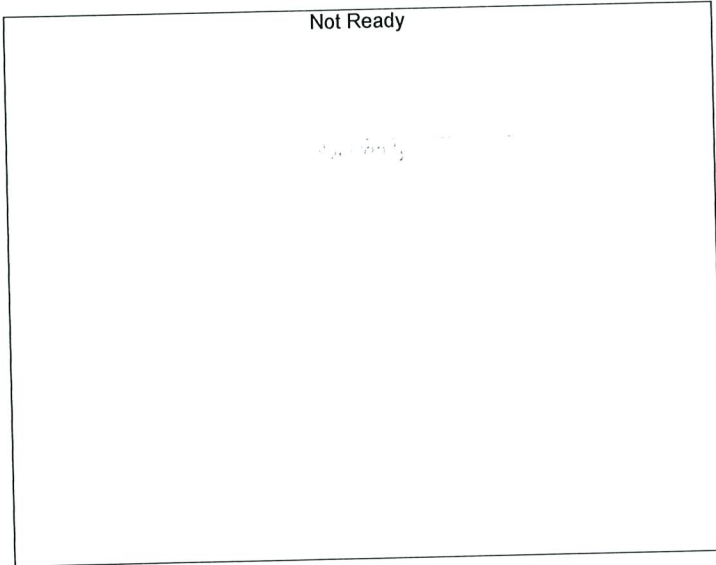
#	Conc.	Area	Std. Conc.
---	-------	------	------------

B



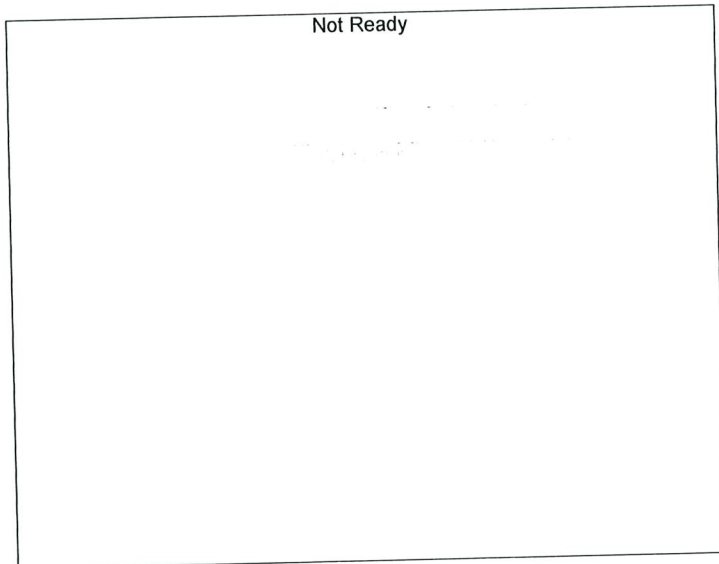
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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



Name : DFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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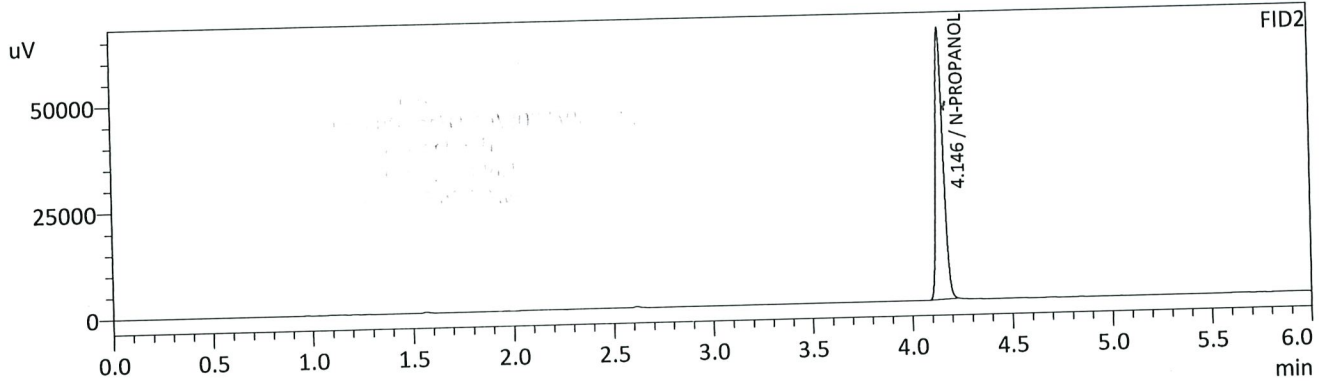
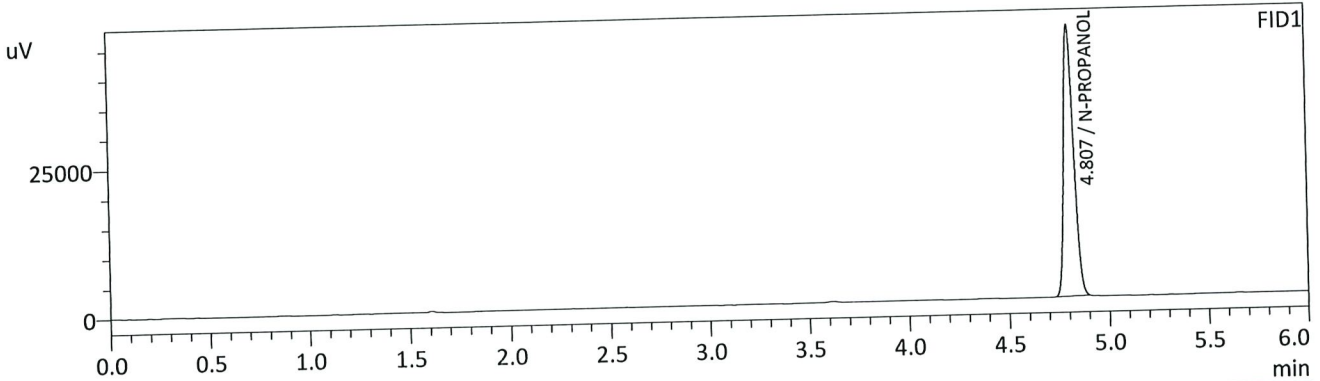


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

15

Sample Name : INT STD BLK 1
 Vial # : 1
 Data Filename : INT STD BLK 1_6292021_001.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 3:26:33 PM
 Date Processed : 6/30/2021 7:43:34 AM



FID1

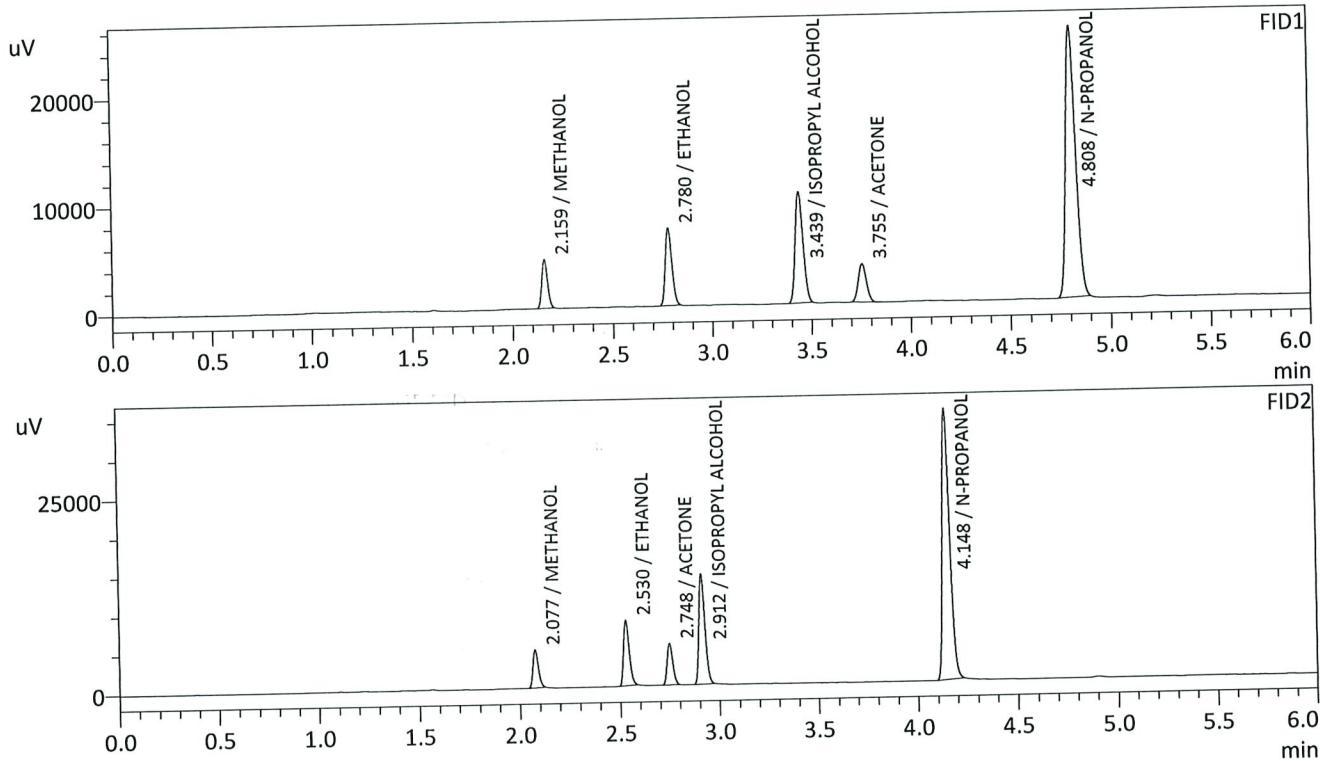
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159556	45592
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	167769	63939
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : MULTI-COMP MIX
 Vial # : 2
 Data Filename : MULTI-COMP MIX_6292021_002.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 3:35:09 PM
 Date Processed : 6/30/2021 7:49:50 AM



FID1

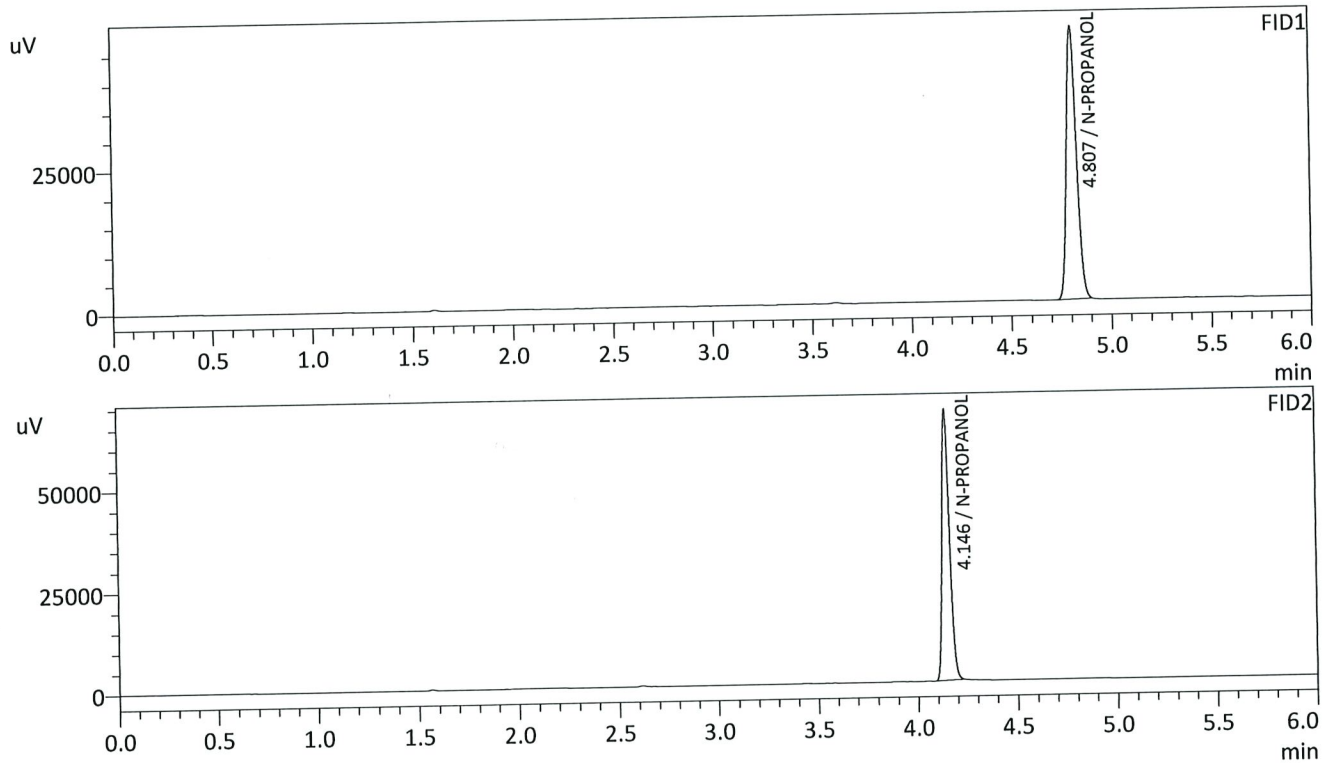
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	8907	4465
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1014	g/100cc	16380	7111
ISOPROPYL ALCOHOL	0.0000	g/100cc	28209	10175
ACETONE	0.0000	g/100cc	10061	3507
N-PROPANOL	0.0000	g/100cc	86794	24941
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	8922	4740
ETHANOL	0.1005	g/100cc	16483	8285
ACETONE	0.0000	g/100cc	10400	5230
ISOPROPYL ALCOHOL	0.0000	g/100cc	29477	13952
N-PROPANOL	0.0000	g/100cc	91087	34664
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : INT STD BLK 2
 Vial # : 3
 Data Filename : INT STD BLK 2_6292021_003.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 3:44:03 PM
 Date Processed : 6/30/2021 7:43:37 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	166517	47406
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	174948	66744
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 06-29-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0741	0.0748	0.0007	0.0744	0.0003	0.0743
(g/100cc)	0.0738	0.0745	0.0007	0.0741		

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%

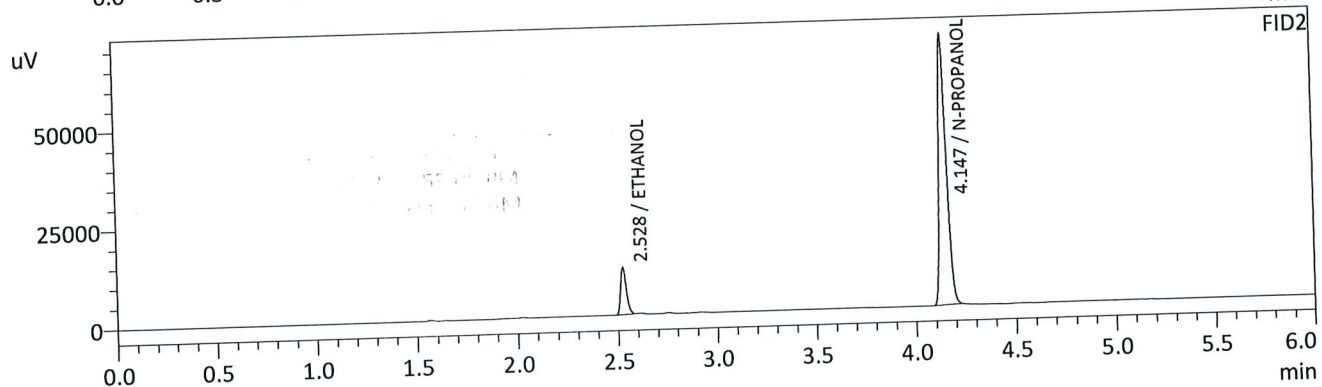
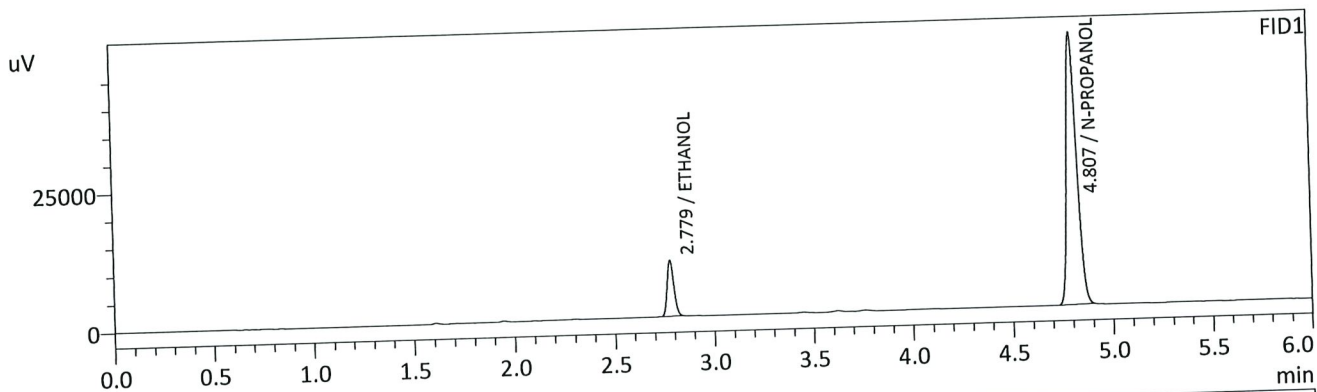
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	0.070	0.078	0.004

Reported Result	
0.074	

Calibration and control data are stored centrally.

15

Sample Name : QC-1-1-A
 Vial # : 4
 Data Filename : QC-1-1-A_6292021_004.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 3:53:08 PM
 Date Processed : 6/30/2021 7:43:38 AM

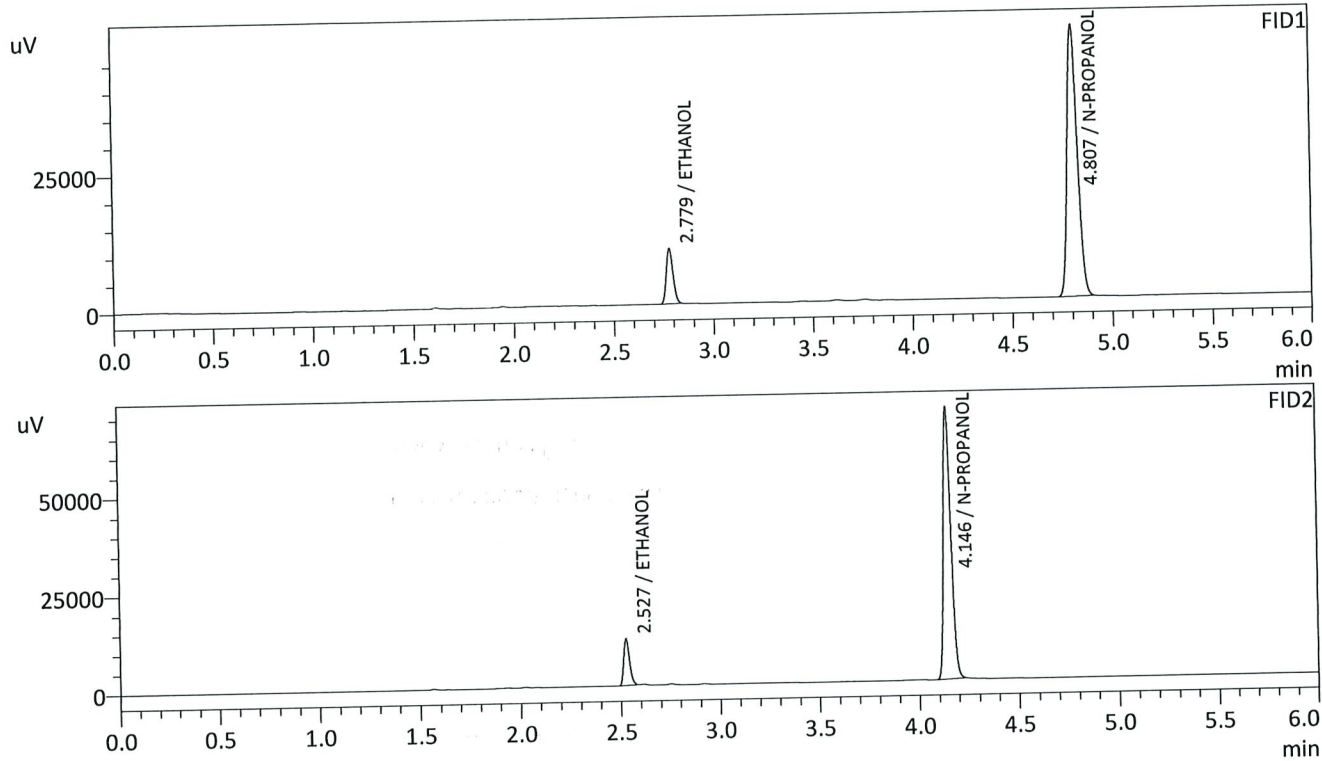


FID1				
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0741	g/100cc	23585	10078
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172439	48968
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2				
Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0748	g/100cc	23820	11898
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180705	68904
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : QC-1-1-B
 Vial # : 5
 Data Filename : QC-1-1-B_6292021_005.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 4:01:49 PM
 Date Processed : 6/30/2021 7:43:40 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0738	g/100cc	23638	10110
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173520	49338
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0745	g/100cc	23873	11946
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181916	69460
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 QA

Analysis Date(s): 06-29-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0797	0.0802	0.0005	0.0799	0.0002	0.0800
(g/100cc)	0.0800	0.0802	0.0002	0.0801		

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%

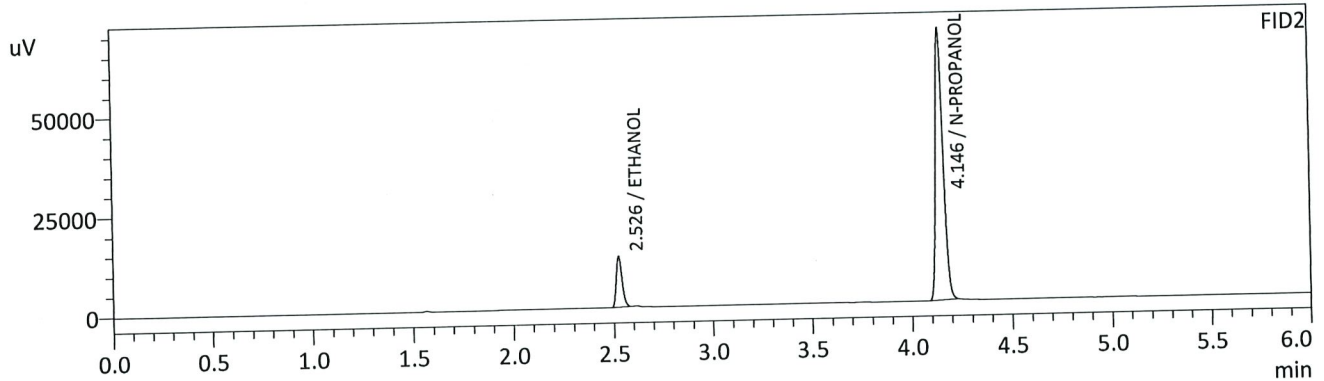
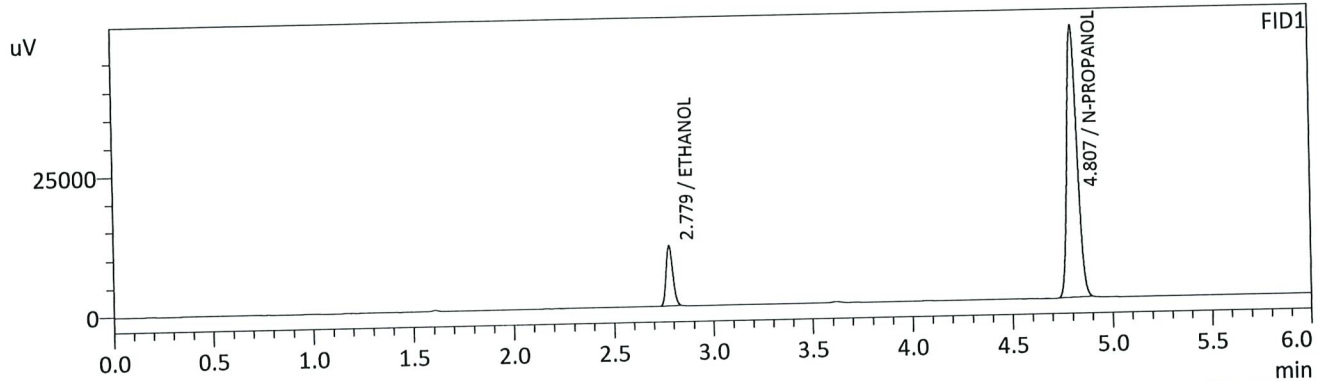
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result	
0.080	

Calibration and control data are stored centrally.

15

Sample Name : 0.08 QA - A
 Vial # : 6
 Data Filename : 0.08 QA - A_6292021_006.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 4:10:26 PM
 Date Processed : 6/30/2021 7:43:41 AM



FID1

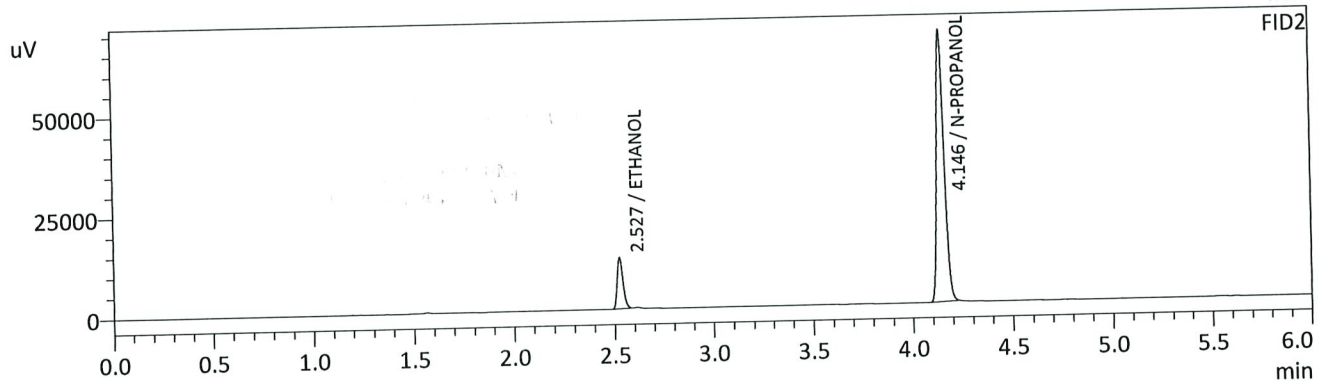
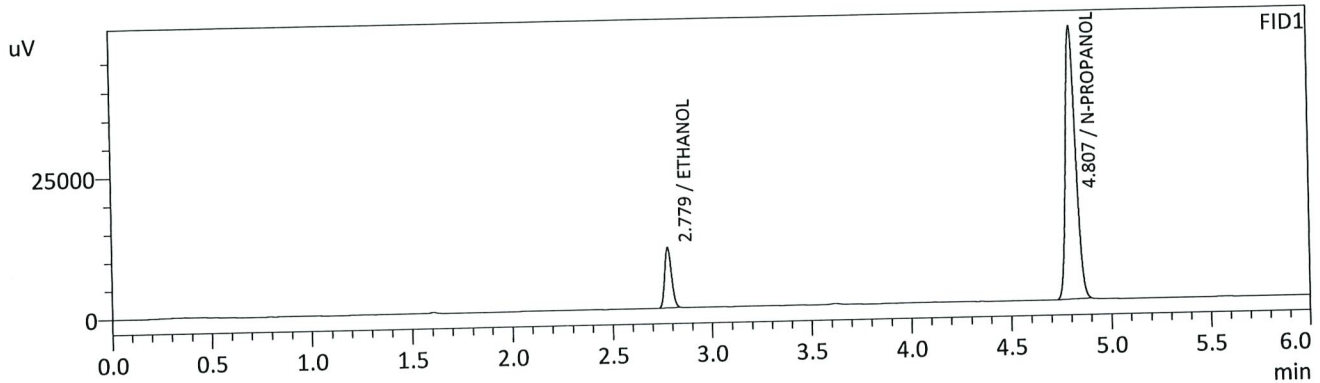
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0797	g/100cc	25164	10768
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170656	48446
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	25491	12702
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179381	68320
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : 0.08 QA - B
 Vial # : 7
 Data Filename : 0.08 QA - B_6292021_007.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 4:19:09 PM
 Date Processed : 6/30/2021 7:43:42 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0800	g/100cc	24984	10700
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168846	48021
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	25239	12628
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177440	67596
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 06-29-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2115	0.2105	0.0010	0.2110	0.0015	0.2102
(g/100cc)	0.2100	0.2091	0.0009	0.2095		

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%

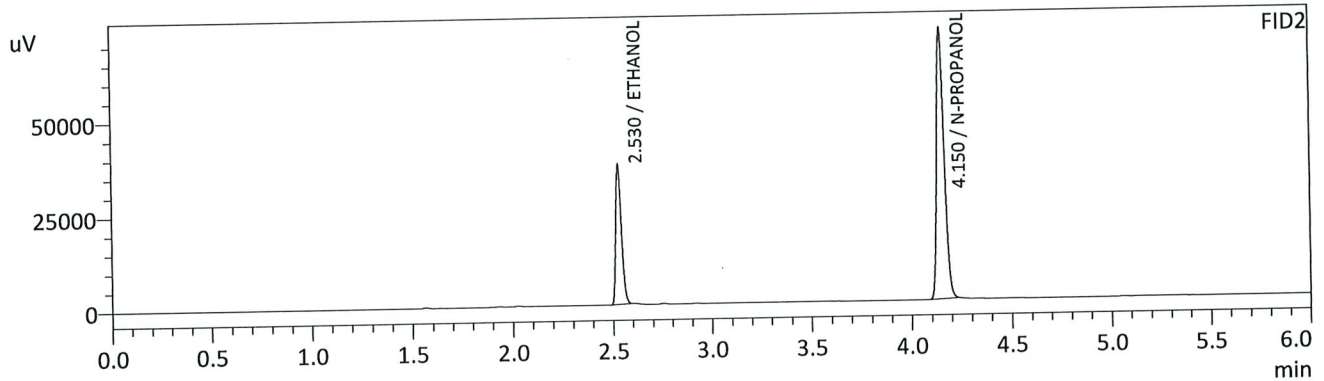
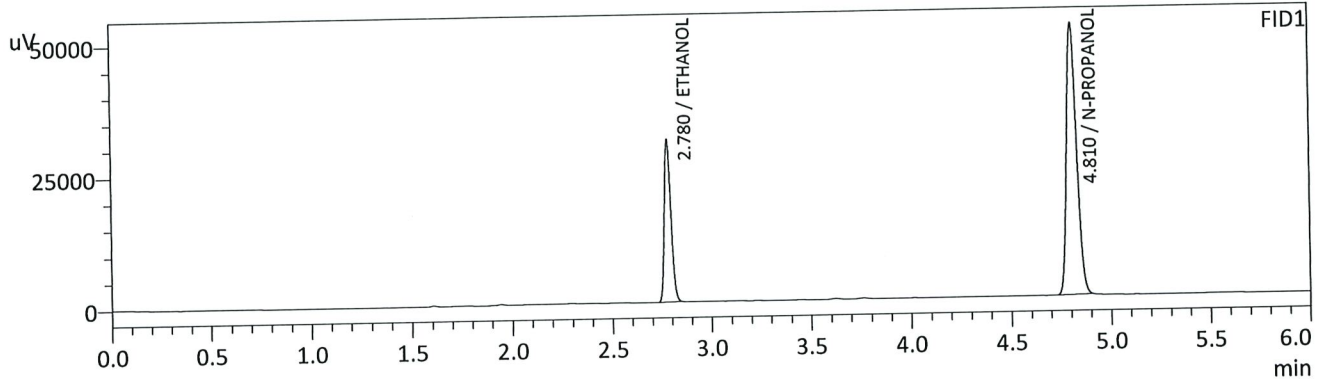
Overall Mean (g/100cc)	Low	High	5% of Mean
0.210	0.199	0.221	0.011

	Reported Result	
	0.210	

Calibration and control data are stored centrally.

15

Sample Name : QC-2-1-A
 Vial # : 26
 Data Filename : QC-2-1-A_6292021_026.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 7:06:59 PM
 Date Processed : 6/30/2021 7:44:07 AM



FID1

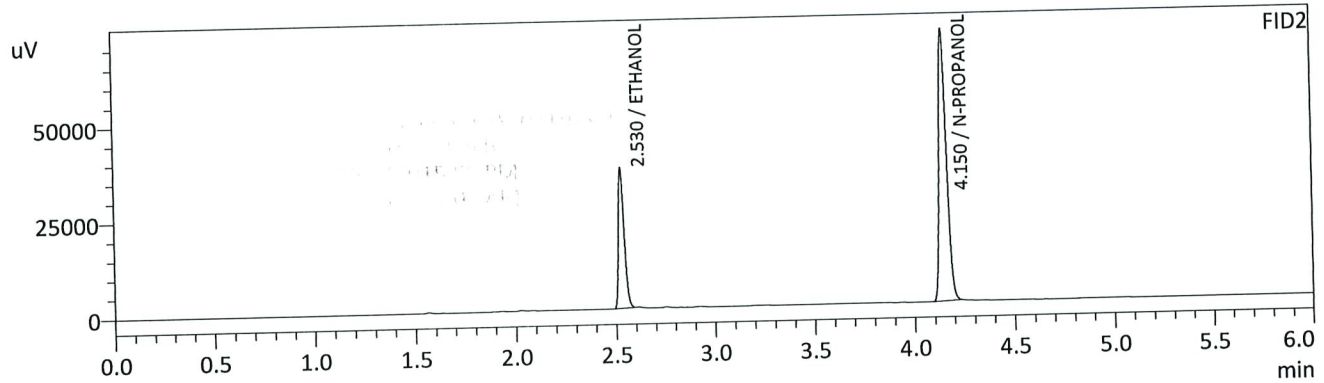
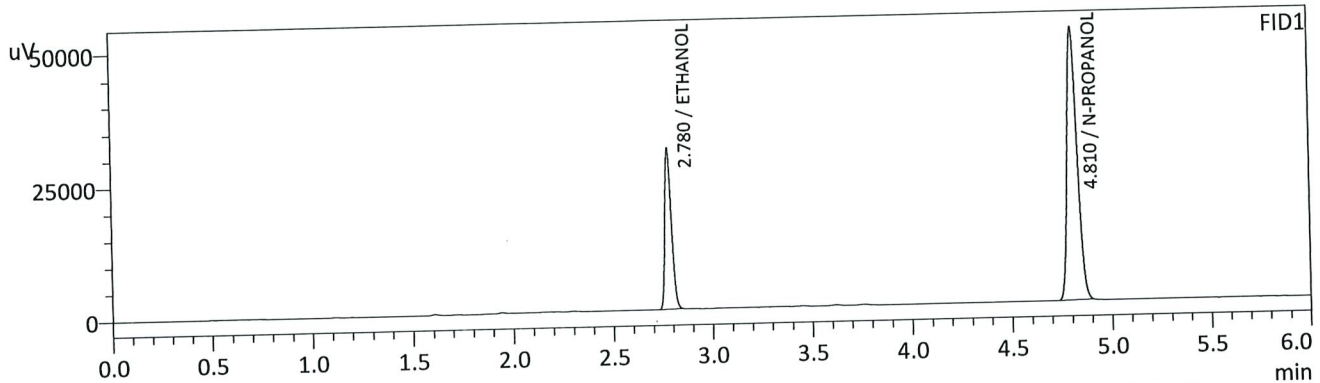
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2115	g/100cc	71643	30685
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179897	51487
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2105	g/100cc	73596	36635
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188182	71577
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : QC-2-1-B
 Vial # : 27
 Data Filename : QC-2-1-B_6292021_027.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 7:15:58 PM
 Date Processed : 6/30/2021 7:44:08 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2100	g/100cc	70684	30254
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178822	51125
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2091	g/100cc	72641	36109
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187020	70898
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 06-29-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0771	0.0769	0.0002	0.0770	0.0008	0.0774
(g/100cc)	0.0778	0.0778	0.0000	0.0778		

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%

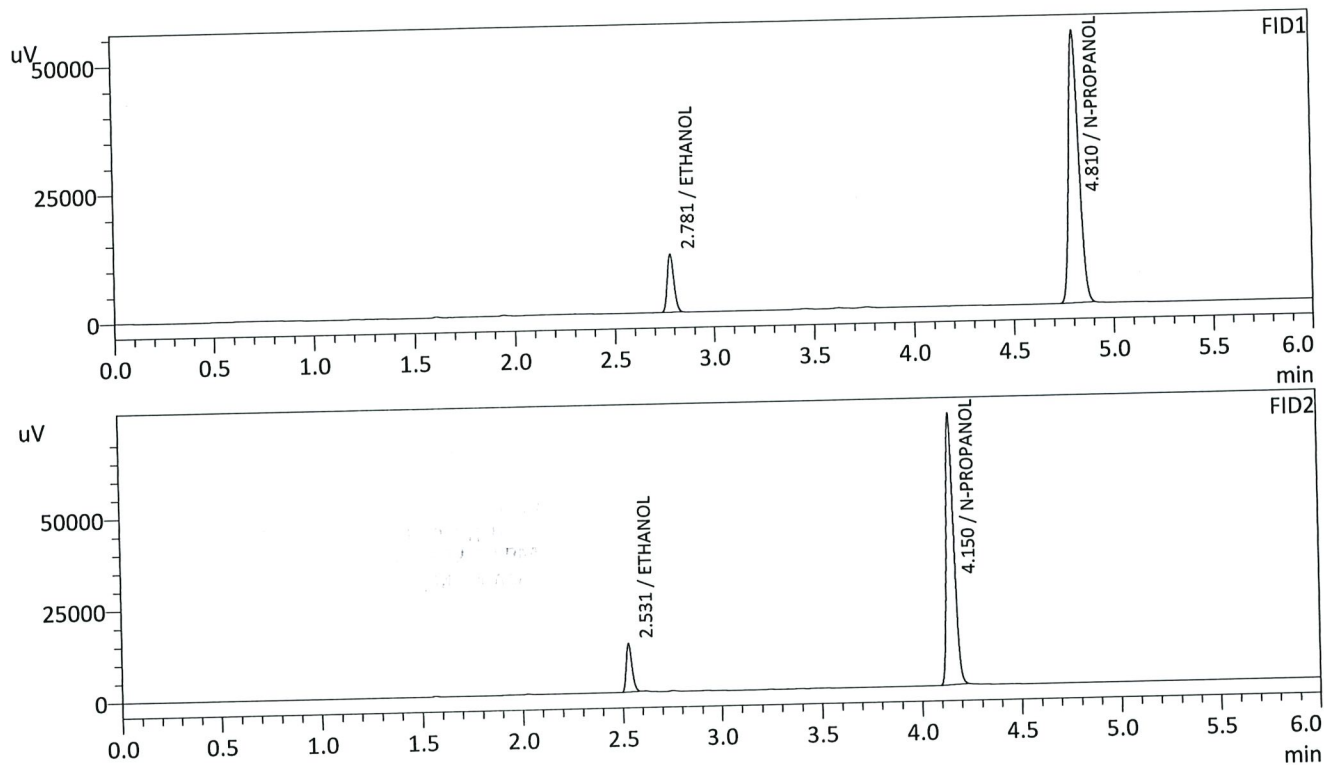
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

Reported Result	
0.077	

Calibration and control data are stored centrally.

B

Sample Name : QC1-2-A
 Vial # : 48
 Data Filename : QC1-2-A_6292021_048.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 10:22:20 PM
 Date Processed : 6/30/2021 7:44:34 AM



FID1

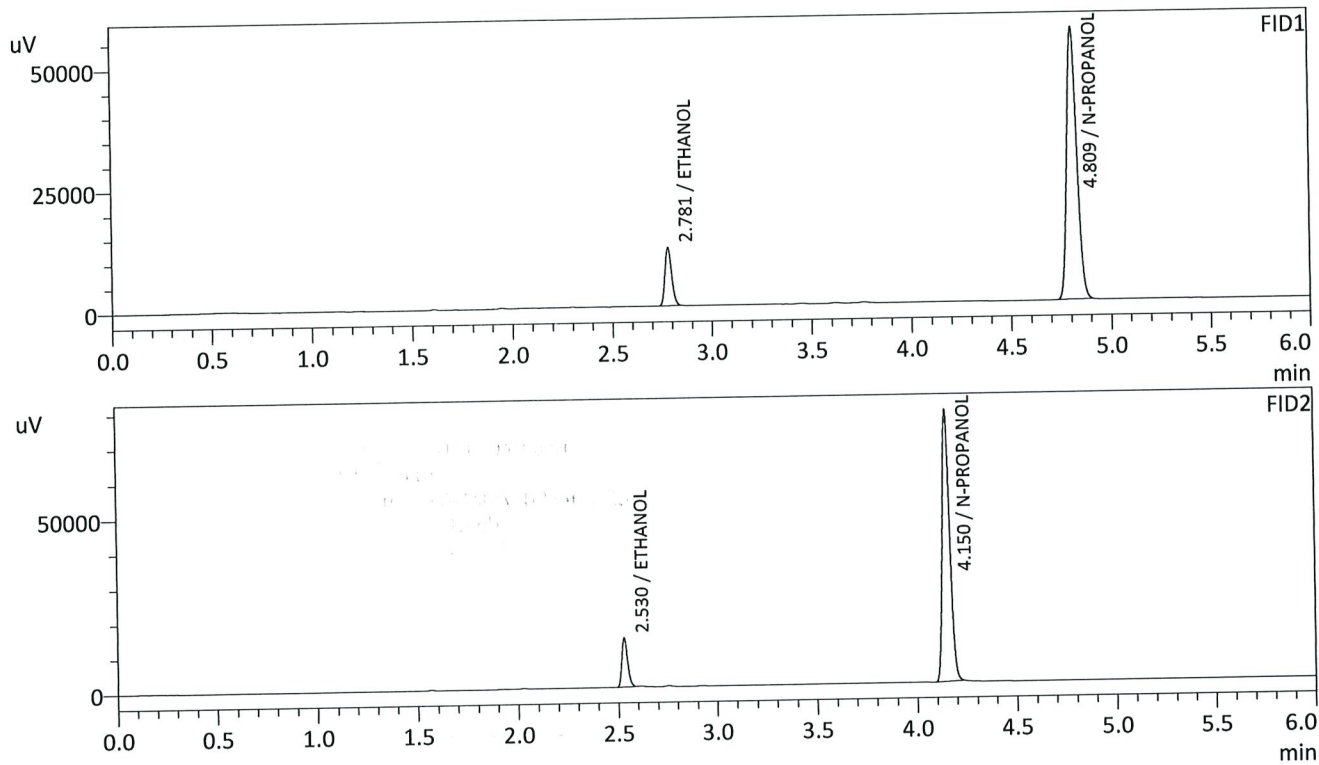
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0771	g/100cc	26286	11108
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184544	52841
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0769	g/100cc	26289	13115
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193541	73835
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : QC1-2-B
 Vial # : 49
 Data Filename : QC1-2-B_6292021_049.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/29/2021 10:30:54 PM
 Date Processed : 6/30/2021 7:44:36 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0778	g/100cc	27988	11875
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194537	55767
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0778	g/100cc	28098	13923
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	204335	77671
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 06-29-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2101	0.2091	0.0010	0.2096	0.0036	0.2114
(g/100cc)	0.2138	0.2127	0.0011	0.2132		

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%

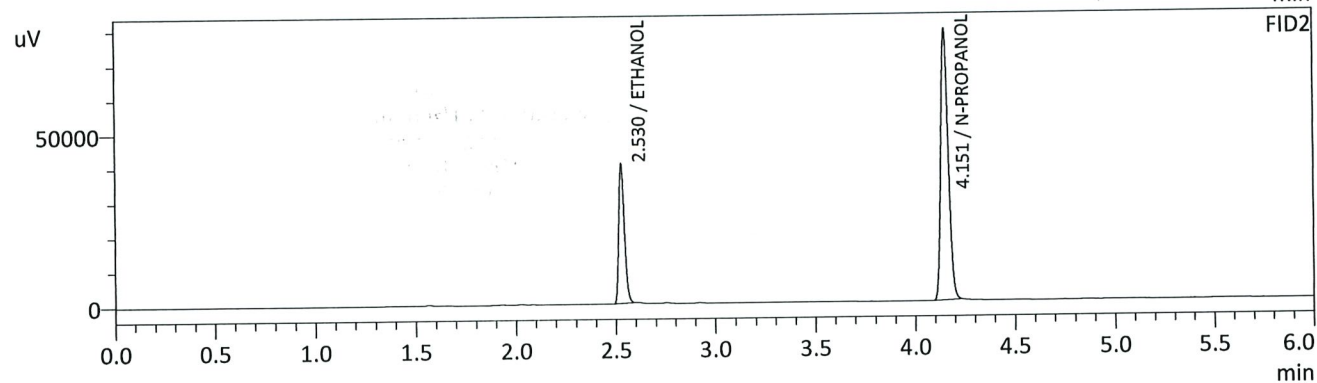
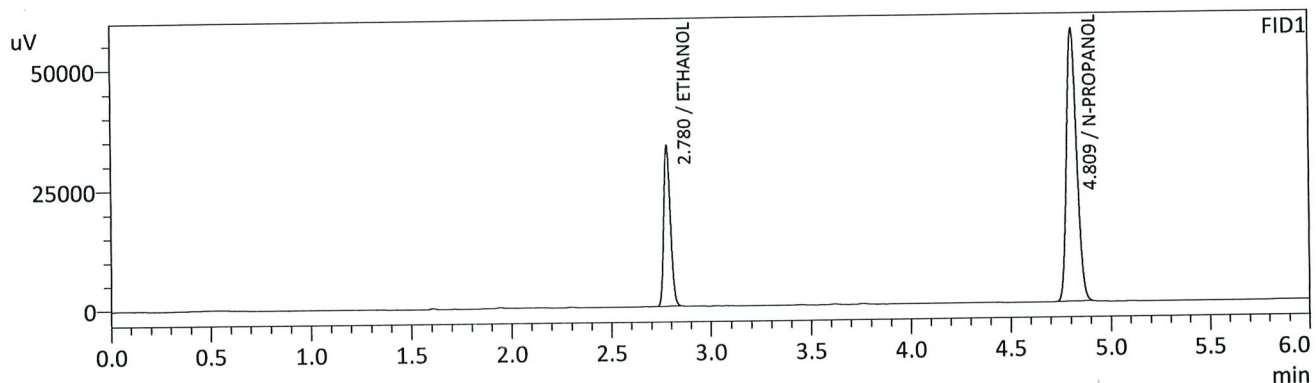
Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

	Reported Result	
	0.211	

Calibration and control data are stored centrally.

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Sample Name : QC2-2-A
 Vial # : 66
 Data Filename : QC2-2-A_6292021_066.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/30/2021 1:00:33 AM
 Date Processed : 6/30/2021 7:44:57 AM



FID1

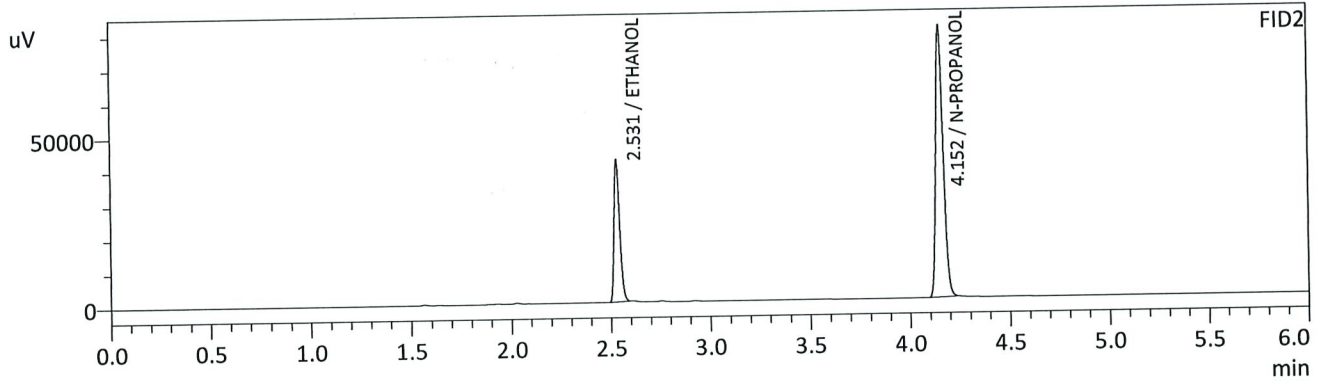
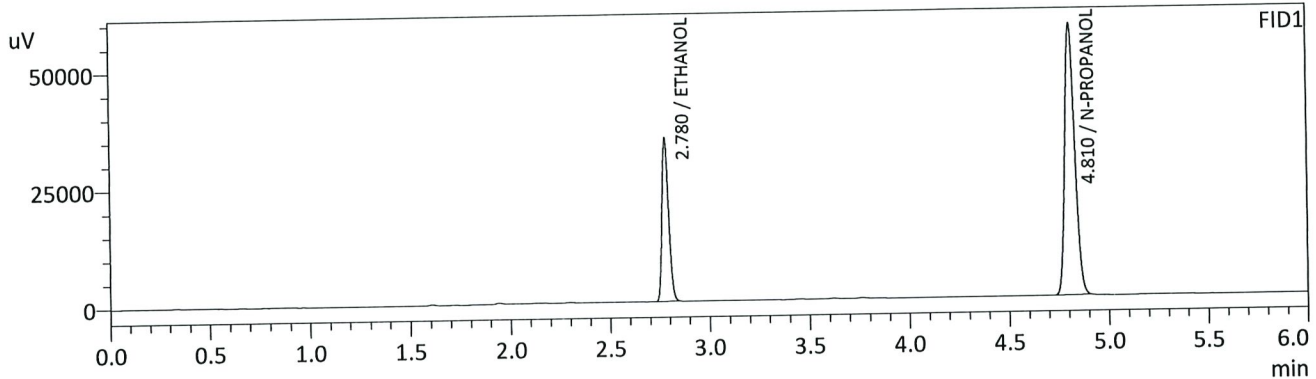
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2101	g/100cc	77941	33340
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197038	56506
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2091	g/100cc	79879	39843
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205710	78704
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : QC2-2-B
 Vial # : 67
 Data Filename : QC2-2-B_6292021_067.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/30/2021 1:09:51 AM
 Date Processed : 6/30/2021 7:44:58 AM



FID1

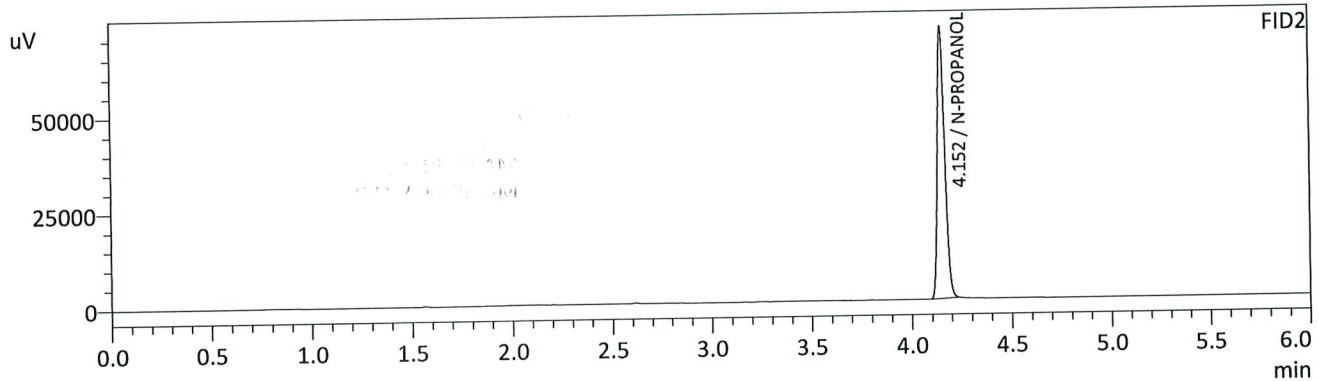
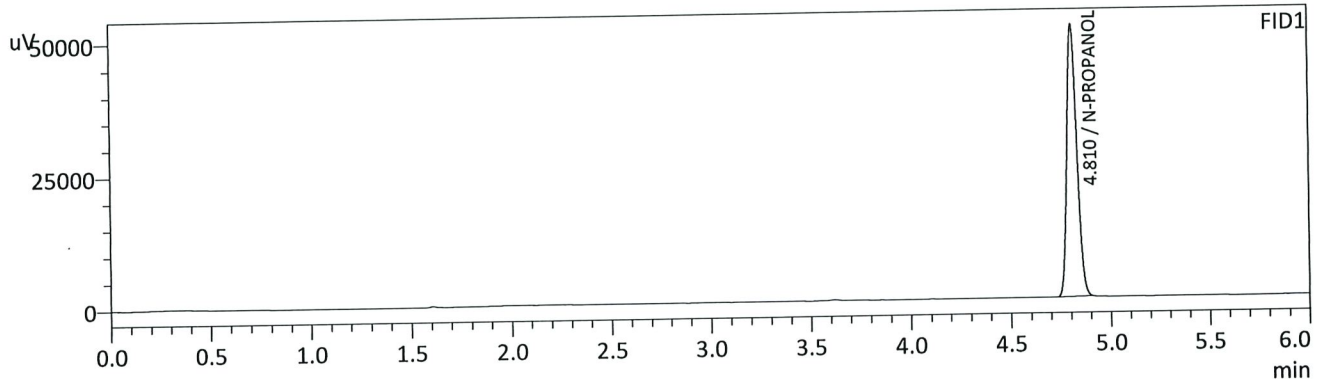
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2138	g/100cc	80893	34599
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200916	57704
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2127	g/100cc	82868	41868
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	209665	80089
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : INT STD BLK 3
 Vial # : 68
 Data Filename : INT STD BLK 3_6292021_068.gcd
 Method Filename : ALCOHOL.gcm
 Method Path : C:\LabSolutions\Data\2021\06-29-21-ts\ALCOHOL.gcm
 Batch Filename : 06-29-21-ts post.gcb
 Date Acquired : 6/30/2021 1:18:22 AM
 Date Processed : 6/30/2021 7:45:00 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	177441	50990
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	185107	70898
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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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	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_6292021_001.gcd	0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_6292021_002.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_6292021_003.gcd	0
4	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_6292021_004.gcd	0
5	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_6292021_005.gcd	0
6	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_6292021_006.gcd	0
7	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_6292021_007.gcd	0
8	P2021-1909-1-A_r	0:Unknown	ALCOHOL.gcm	P2021-1909-1-A_r_6292021_008.gcd	0
9	P2021-1909-1-B_r	0:Unknown	ALCOHOL.gcm	P2021-1909-1-B_r_6292021_009.gcd	0
10	P2021-1563-2-A	0:Unknown	ALCOHOL.gcm	P2021-1563-2-A_6292021_010.gcd	0
11	P2021-1563-2-B	0:Unknown	ALCOHOL.gcm	P2021-1563-2-B_6292021_011.gcd	0
12	P2021-1952-1-A	0:Unknown	ALCOHOL.gcm	P2021-1952-1-A_6292021_012.gcd	0
13	P2021-1952-1-B	0:Unknown	ALCOHOL.gcm	P2021-1952-1-B_6292021_013.gcd	0
14	P2021-1991-2-A	0:Unknown	ALCOHOL.gcm	P2021-1991-2-A_6292021_014.gcd	0
15	P2021-1991-2-B	0:Unknown	ALCOHOL.gcm	P2021-1991-2-B_6292021_015.gcd	0
16	P2021-1994-1-A	0:Unknown	ALCOHOL.gcm	P2021-1994-1-A_6292021_016.gcd	0
17	P2021-1994-1-B	0:Unknown	ALCOHOL.gcm	P2021-1994-1-B_6292021_017.gcd	0
18	P2021-1995-1-A	0:Unknown	ALCOHOL.gcm	P2021-1995-1-A_6292021_018.gcd	0
19	P2021-1995-1-B	0:Unknown	ALCOHOL.gcm	P2021-1995-1-B_6292021_019.gcd	0
20	P2021-1996-1-A	0:Unknown	ALCOHOL.gcm	P2021-1996-1-A_6292021_020.gcd	0
21	P2021-1996-1-B	0:Unknown	ALCOHOL.gcm	P2021-1996-1-B_6292021_021.gcd	0
22	P2021-2013-1-A	0:Unknown	ALCOHOL.gcm	P2021-2013-1-A_6292021_022.gcd	0
23	P2021-2013-1-B	0:Unknown	ALCOHOL.gcm	P2021-2013-1-B_6292021_023.gcd	0
24	P2021-2021-1-A	0:Unknown	ALCOHOL.gcm	P2021-2021-1-A_6292021_024.gcd	0
25	P2021-2021-1-B	0:Unknown	ALCOHOL.gcm	P2021-2021-1-B_6292021_025.gcd	0
26	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_6292021_026.gcd	0
27	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_6292021_027.gcd	0
28	P2021-2022-1-A	0:Unknown	ALCOHOL.gcm	P2021-2022-1-A_6292021_028.gcd	0
29	P2021-2022-1-B	0:Unknown	ALCOHOL.gcm	P2021-2022-1-B_6292021_029.gcd	0
30	P2021-2032-1-A	0:Unknown	ALCOHOL.gcm	P2021-2032-1-A_6292021_030.gcd	0
31	P2021-2032-1-B	0:Unknown	ALCOHOL.gcm	P2021-2032-1-B_6292021_031.gcd	0
32	P2021-2033-1-A	0:Unknown	ALCOHOL.gcm	P2021-2033-1-A_6292021_032.gcd	0
33	P2021-2033-1-B	0:Unknown	ALCOHOL.gcm	P2021-2033-1-B_6292021_033.gcd	0
34	P2021-2093-1-A	0:Unknown	ALCOHOL.gcm	P2021-2093-1-A_6292021_034.gcd	0
35	P2021-2093-1-B	0:Unknown	ALCOHOL.gcm	P2021-2093-1-B_6292021_035.gcd	0
36	P2021-2094-1-A	0:Unknown	ALCOHOL.gcm	P2021-2094-1-A_6292021_036.gcd	0
37	P2021-2094-1-B	0:Unknown	ALCOHOL.gcm	P2021-2094-1-B_6292021_037.gcd	0
38	P2021-2094-2-A	0:Unknown	ALCOHOL.gcm	P2021-2094-2-A_6292021_038.gcd	0
39	P2021-2094-2-B	0:Unknown	ALCOHOL.gcm	P2021-2094-2-B_6292021_039.gcd	0
40	P2021-2095-1-A	0:Unknown	ALCOHOL.gcm	P2021-2095-1-A_6292021_040.gcd	0
41	P2021-2095-1-B	0:Unknown	ALCOHOL.gcm	P2021-2095-1-B_6292021_041.gcd	0
42	P2021-2095-2-A	0:Unknown	ALCOHOL.gcm	P2021-2095-2-A_6292021_042.gcd	0
43	P2021-2095-2-B	0:Unknown	ALCOHOL.gcm	P2021-2095-2-B_6292021_043.gcd	0
44	P2021-2152-1-A	0:Unknown	ALCOHOL.gcm	P2021-2152-1-A_6292021_044.gcd	0
45	P2021-2152-1-B	0:Unknown	ALCOHOL.gcm	P2021-2152-1-B_6292021_045.gcd	0
46	P2021-2166-1-A	0:Unknown	ALCOHOL.gcm	P2021-2166-1-A_6292021_046.gcd	0
47	P2021-2166-1-B	0:Unknown	ALCOHOL.gcm	P2021-2166-1-B_6292021_047.gcd	0
48	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_6292021_048.gcd	0
49	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_6292021_049.gcd	0
50	P2021-2167-1-A	0:Unknown	ALCOHOL.gcm	P2021-2167-1-A_6292021_050.gcd	0
51	P2021-2167-1-B	0:Unknown	ALCOHOL.gcm	P2021-2167-1-B_6292021_051.gcd	0
52	P2021-2168-1-A	0:Unknown	ALCOHOL.gcm	P2021-2168-1-A_6292021_052.gcd	0

B

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	P2021-2168-1-B	0:Unknown	ALCOHOL.gcm	P2021-2168-1-B_6292021_053.gcd	0
54	P2021-2169-1-A	0:Unknown	ALCOHOL.gcm	P2021-2169-1-A_6292021_054.gcd	0
55	P2021-2169-1-B	0:Unknown	ALCOHOL.gcm	P2021-2169-1-B_6292021_055.gcd	0
56	P2021-2170-1-A	0:Unknown	ALCOHOL.gcm	P2021-2170-1-A_6292021_056.gcd	0
57	P2021-2170-1-B	0:Unknown	ALCOHOL.gcm	P2021-2170-1-B_6292021_057.gcd	0
58	P2021-2171-1-A	0:Unknown	ALCOHOL.gcm	P2021-2171-1-A_6292021_058.gcd	0
59	P2021-2171-1-B	0:Unknown	ALCOHOL.gcm	P2021-2171-1-B_6292021_059.gcd	0
60	P2021-2172-1-A	0:Unknown	ALCOHOL.gcm	P2021-2172-1-A_6292021_060.gcd	0
61	P2021-2172-1-B	0:Unknown	ALCOHOL.gcm	P2021-2172-1-B_6292021_061.gcd	0
62	P2021-2173-1-A	0:Unknown	ALCOHOL.gcm	P2021-2173-1-A_6292021_062.gcd	0
63	P2021-2173-1-B	0:Unknown	ALCOHOL.gcm	P2021-2173-1-B_6292021_063.gcd	0
64	P2021-2196-1-A	0:Unknown	ALCOHOL.gcm	P2021-2196-1-A_6292021_064.gcd	0
65	P2021-2196-1-B	0:Unknown	ALCOHOL.gcm	P2021-2196-1-B_6292021_065.gcd	0
66	QC2-2-A	0:Unknown	ALCOHOL.gcm	QC2-2-A_6292021_066.gcd	0
67	QC2-2-B	0:Unknown	ALCOHOL.gcm	QC2-2-B_6292021_067.gcd	0
68	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_6292021_068.gcd	0