














TS

11/9/2022

Worklist: 6157

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2022-2335	2	BCK	Alcohol Analysis	
P2022-3246	1	BCK	Alcohol Analysis	
P2022-3248	1	BCK	Alcohol Analysis	
P2022-3249	1	BCK	Alcohol Analysis	
P2022-3253	1	BCK	Alcohol Analysis	
P2022-3255	1	BCK	Alcohol Analysis	
P2022-3286	1	BCK	Alcohol Analysis	
P2022-3298	1	BCK	Alcohol Analysis	
P2022-3302	1	BCK	Alcohol Analysis	
P2022-3303	1	BCK	Alcohol Analysis	
P2022-3314	2	BCK	Alcohol Analysis	
P2022-3329	1	BCK	Alcohol Analysis	
P2022-3331	1	BCK	Alcohol Analysis	
P2022-3332	1	BCK	Alcohol Analysis	
P2022-3333	2	BCK	Alcohol Analysis	
P2022-3334	1	BCK	Alcohol Analysis	
P2022-3371	1	BCK	Alcohol Analysis	
P2022-3375	1	BCK	Alcohol Analysis	
P2022-3388	1	BCK	Alcohol Analysis	
P2022-3389	1	BCK	Alcohol Analysis	
P2022-3418	1	BCK	Alcohol Analysis	

Worklist: 6157

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<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
P2022-3419	1	BCK	Alcohol Analysis



REVIEWED

By Galina Giso at 2:33 pm, Nov 10, 2022

TS

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):****11/08/2022****Calibration Date: (if different)****Worklist #:****6157**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0736 g/100cc	
					0.0804 g/100cc	
					g/100cc	
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2156 g/100cc	
					0.2225 g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	10/31/2024	Lot #	FN06041902	
Curve Fit:			Column 1	0.99999	Column2	0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0503	0.0513	0.001	0.0508
100	0.100	0.090 - 0.110	0.1000	0.1002	0.0002	0.1001
200	0.200	0.180 - 0.220	0.1995	0.1984	0.0011	0.1989
300	0.300	0.270 - 0.330	0.2996	0.2987	0.0009	0.2991
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5003	0.5011	0.0008	0.5007

Aqueous Controls

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

Revision: 5

Issue Date: 07/05/2022

Internal Standard Monitoring Worksheet

Worklist #:	6157	Run Date(s):	11/08/2022
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Internal Standard Solution:	Prep Date: 9/20/2022	Exp Date: 3/20/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	155782	162931
0.080	156388	163451
QC1	157913	165160
QC1	155498	162667
QC1	166684	174893
QC1	162351	170396
QC1		
QC1		
QC2	156302	162944
QC2	157430	164162
QC2	173310	181933
QC2	168961	177754
QC2		
QC2		

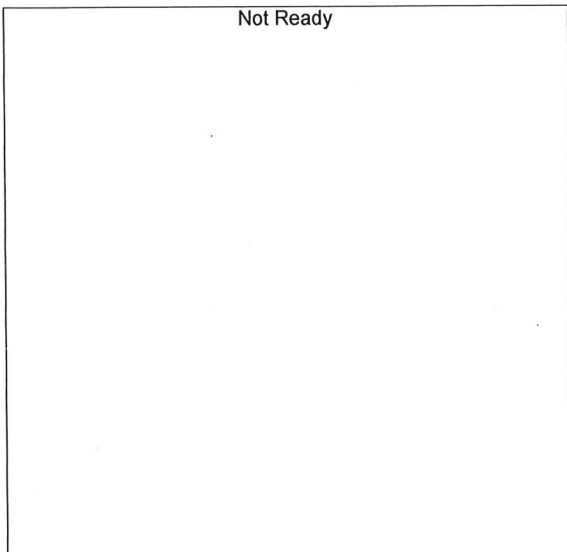
	Average	(-)20%	(+)20%
Column 1	161061.9	128849.5	193274.3
Column 2	168629.1	134903.3	202354.9

TS

Calibration Table

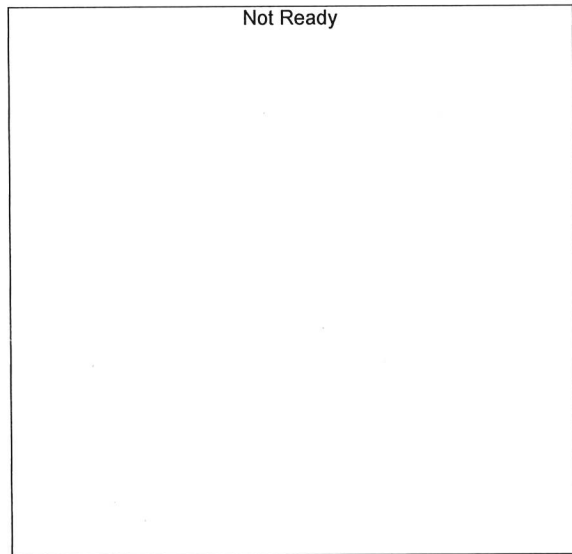
Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Data File>>
Method File :C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm
Batch File :C:\LabSolutions\Data\2022\11-08-22 TS\11-08-22 TS.gcb
Date Acquired :11/8/2022 11:50:18 AM
Date Created :11/8/2022 11:46:54 AM
Date Modified :11/9/2022 11:47:20 AM



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

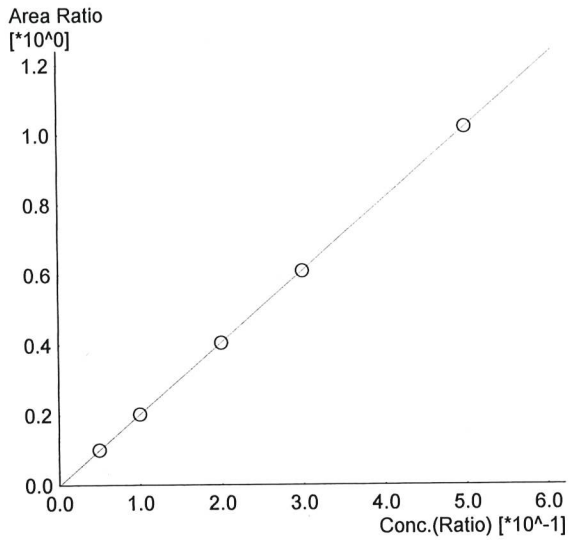
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

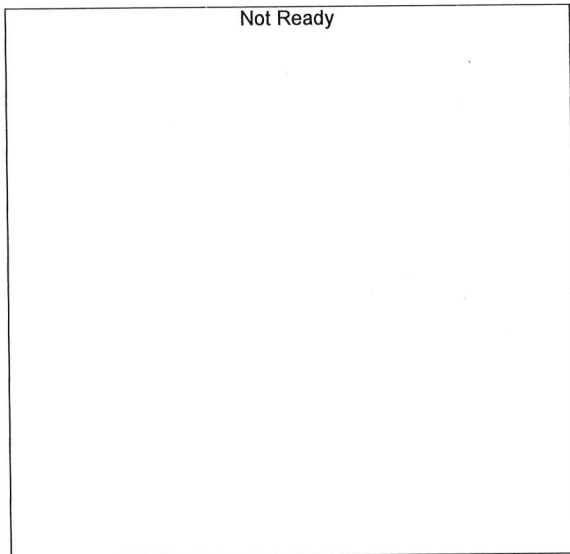
#	Conc.	Area	Std. Conc.	Data File Name
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15



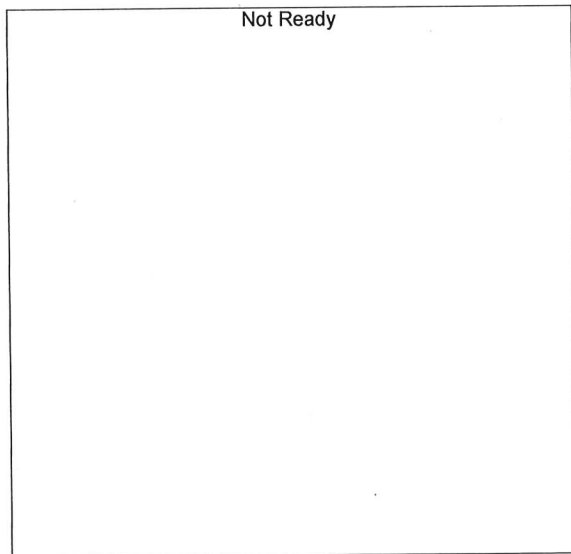
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.04726*x-0.00309845$
 R² value= 0.9999962 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15478	0.0503	0.050_1182022_001.gcd
2	0.100	31624	0.1000	0.100_1182022_002.gcd
3	0.200	63912	0.1995	0.200_1182022_003.gcd
4	0.300	96335	0.2996	0.300_1182022_004.gcd
5	0.500	160989	0.5003	0.500_1182022_005.gcd



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

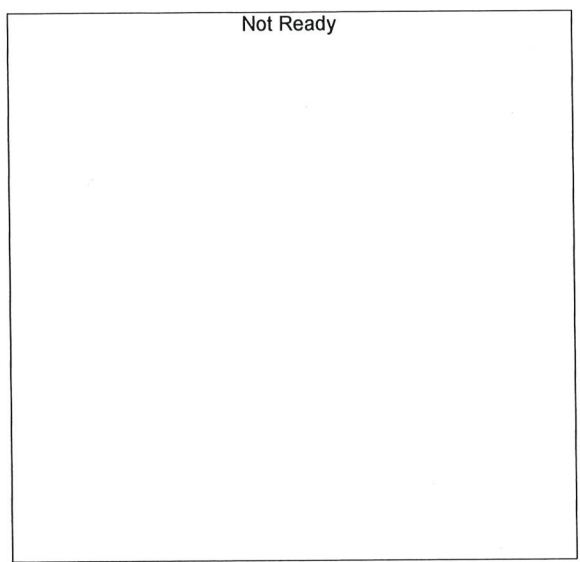
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETONE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

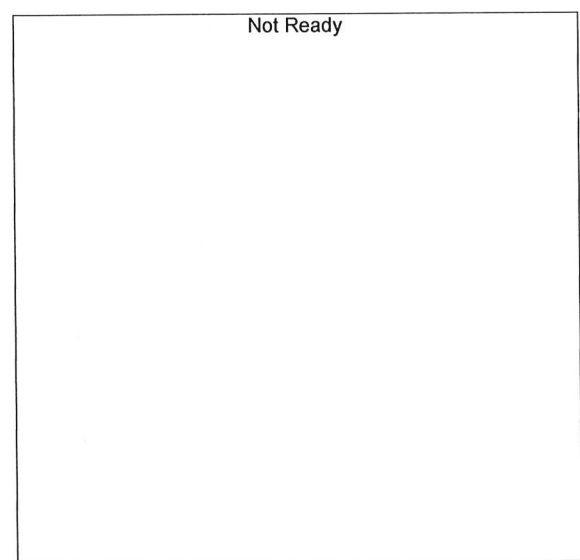
#	Conc.	Area	Std. Conc.	Data File Name
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TS



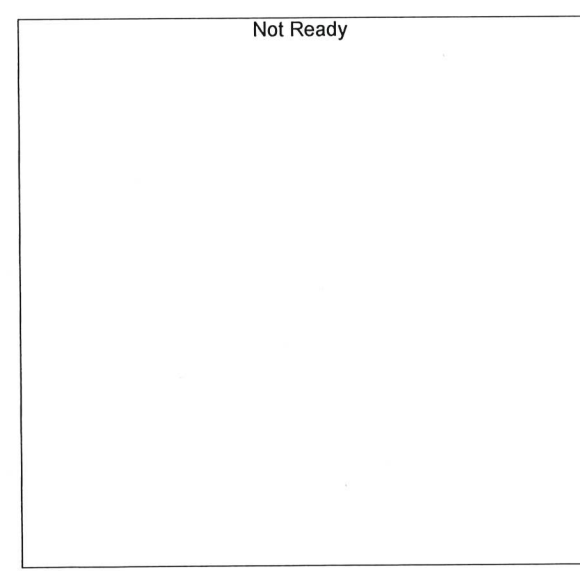
Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

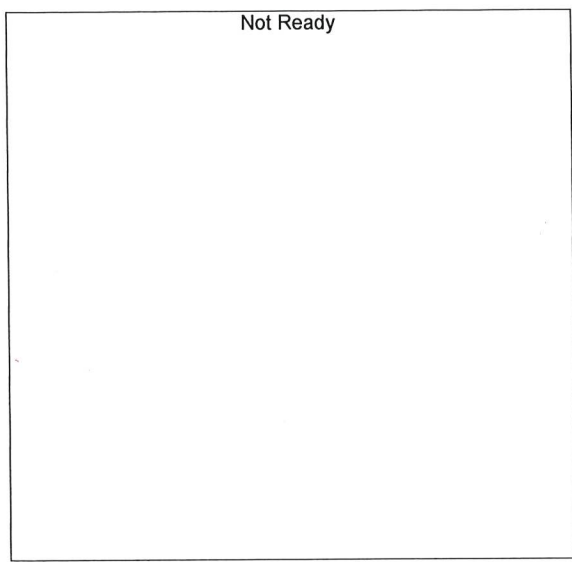
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

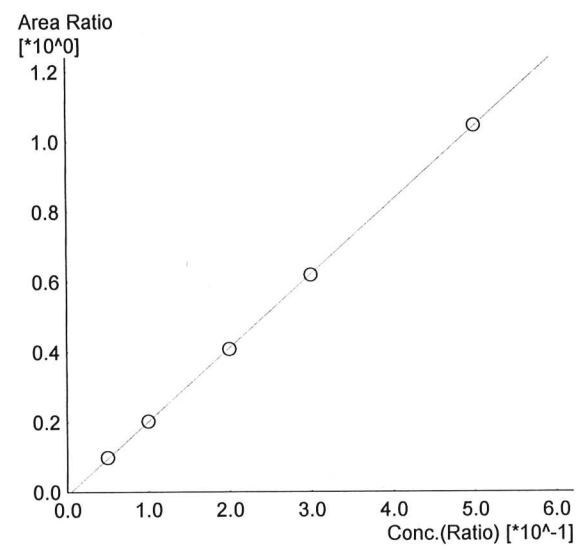
#	Conc.	Area	Std. Conc.	Data File Name
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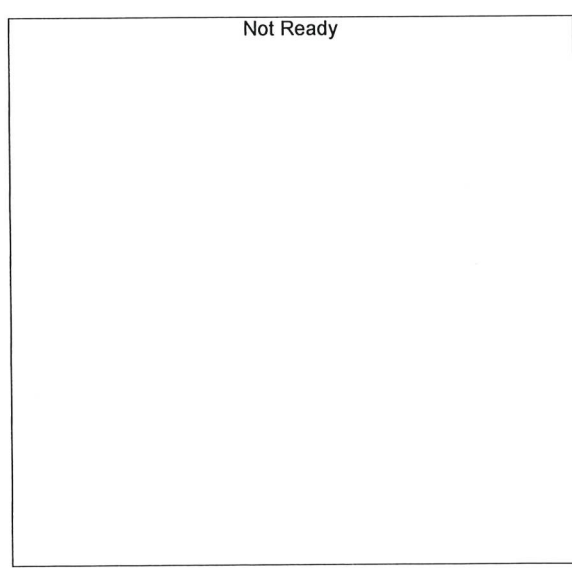
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.10582*x-0.00981602$
 R² value= 0.9999425
 FitType: Linear
 ZeroThrough: Not Through

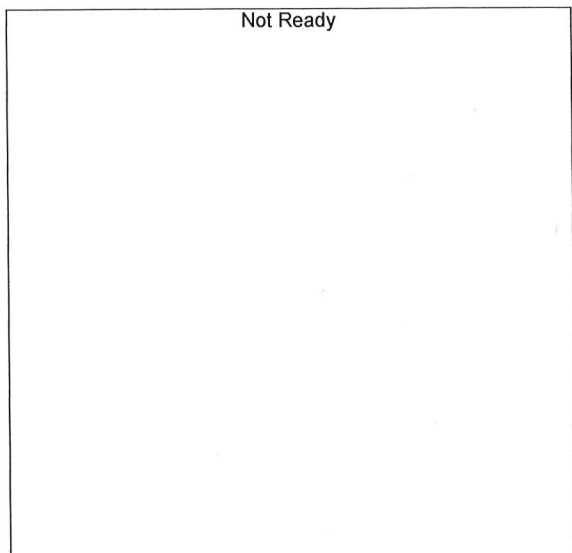
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15849	0.0513	0.050_1182022_001.gcd
2	0.100	32954	0.1002	0.100_1182022_002.gcd
3	0.200	67285	0.1984	0.200_1182022_003.gcd
4	0.300	102008	0.2987	0.300_1182022_004.gcd
5	0.500	171874	0.5011	0.500_1182022_005.gcd



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

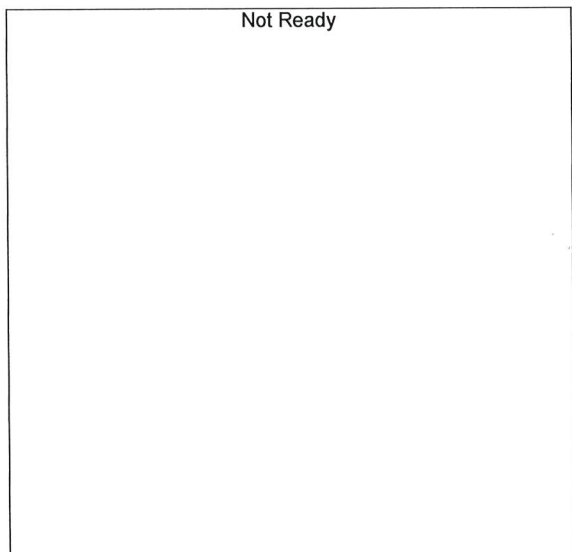
#	Conc.	Area	Std. Conc.	Data File Name
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TS



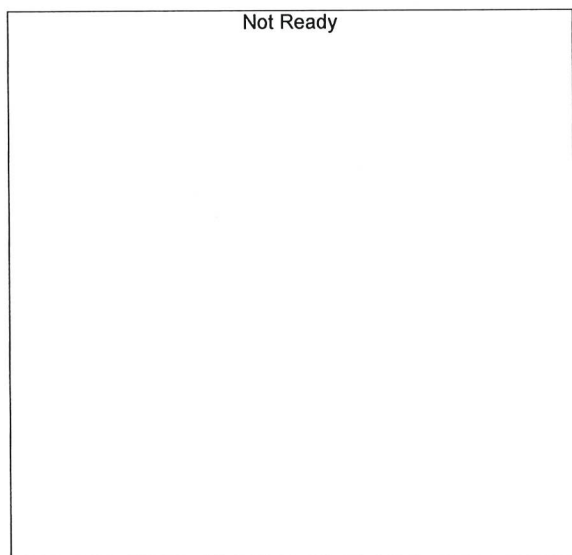
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : DFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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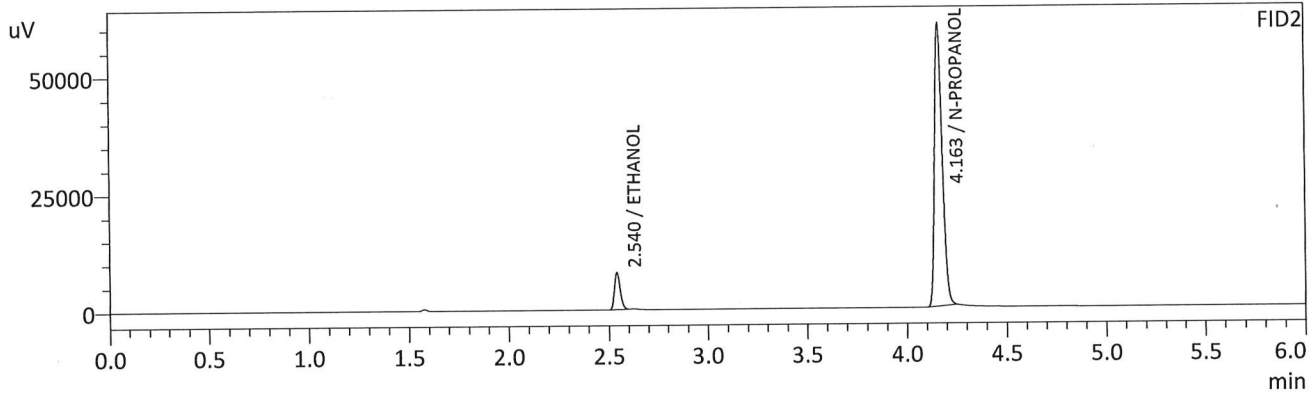
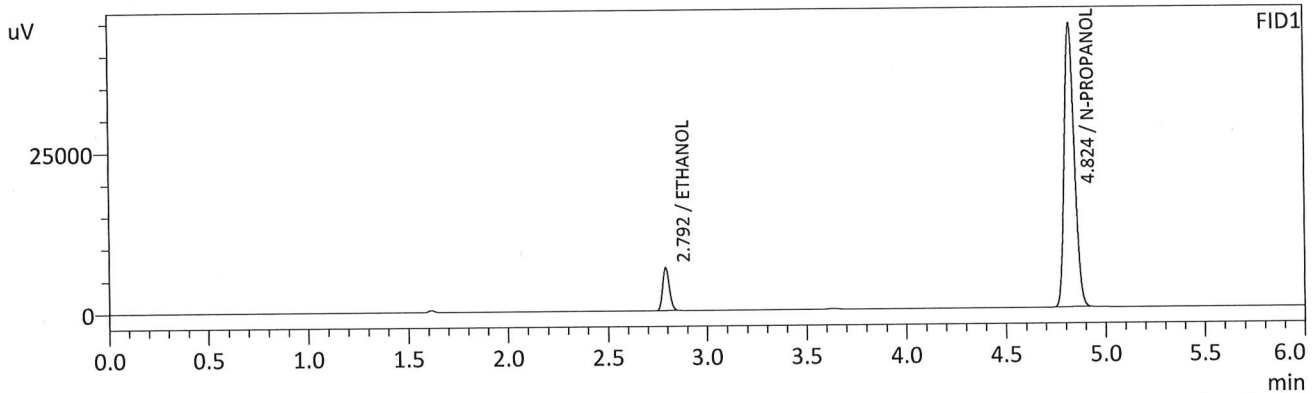


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_1182022_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 11:12:11 AM
 Date Processed : 11/9/2022 11:47:14 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

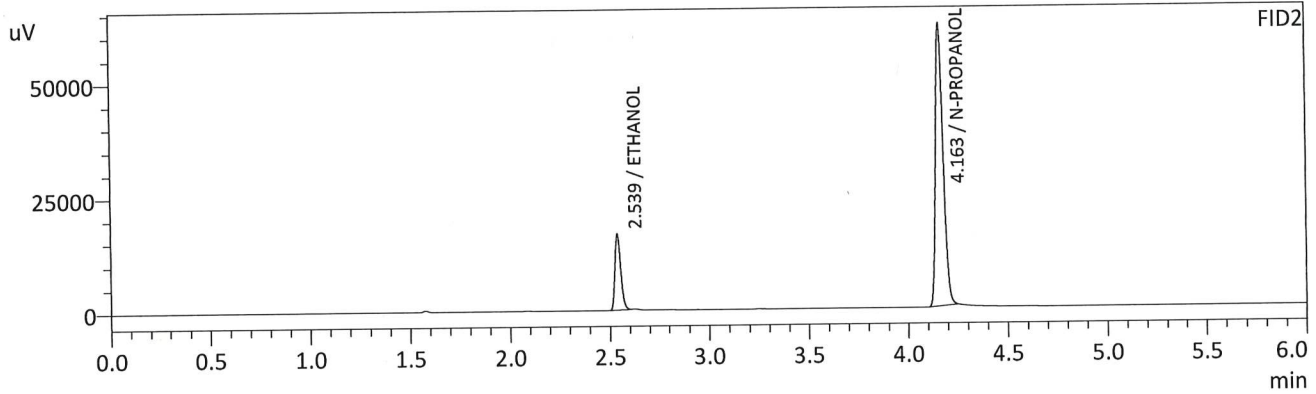
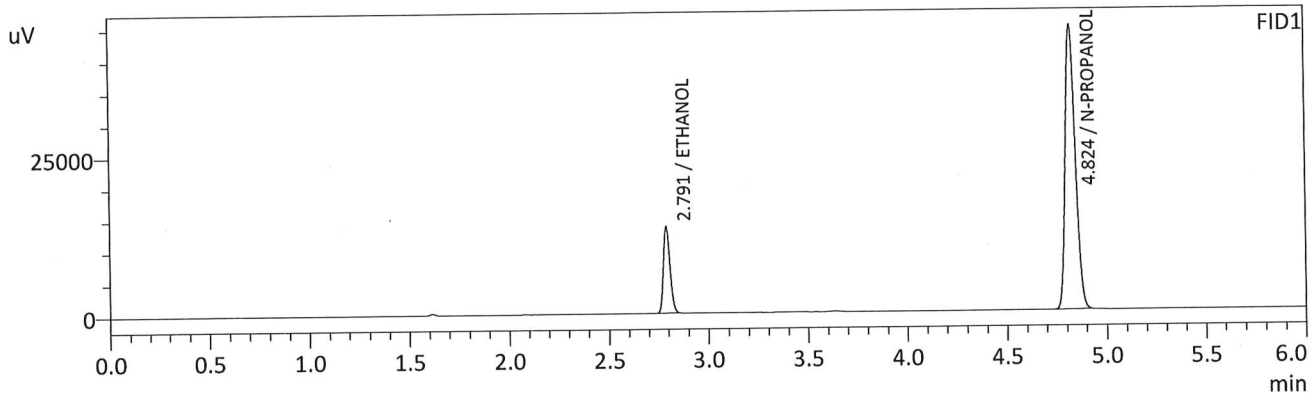
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0503	g/100cc	15478	6580
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154796	44015
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0513	g/100cc	15849	7819
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161065	59799
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_1182022_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 11:21:40 AM
 Date Processed : 11/9/2022 11:47:15 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

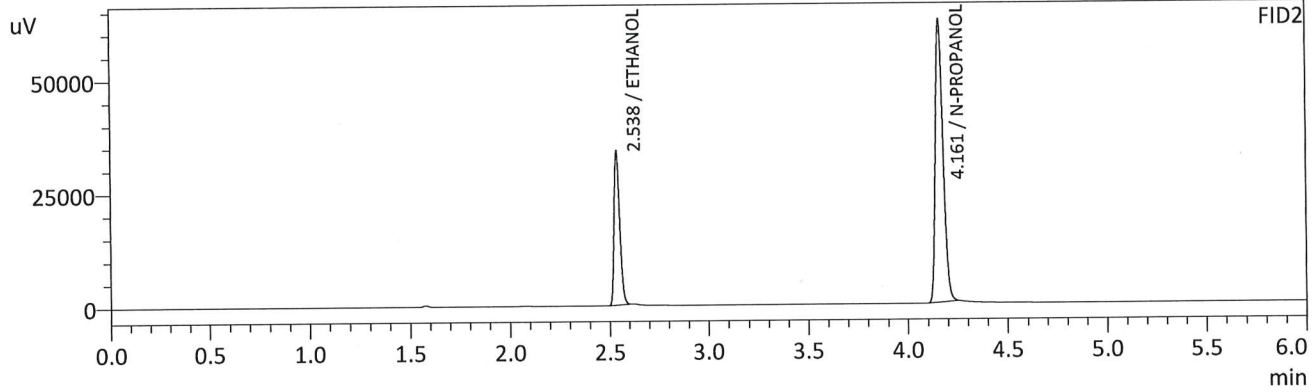
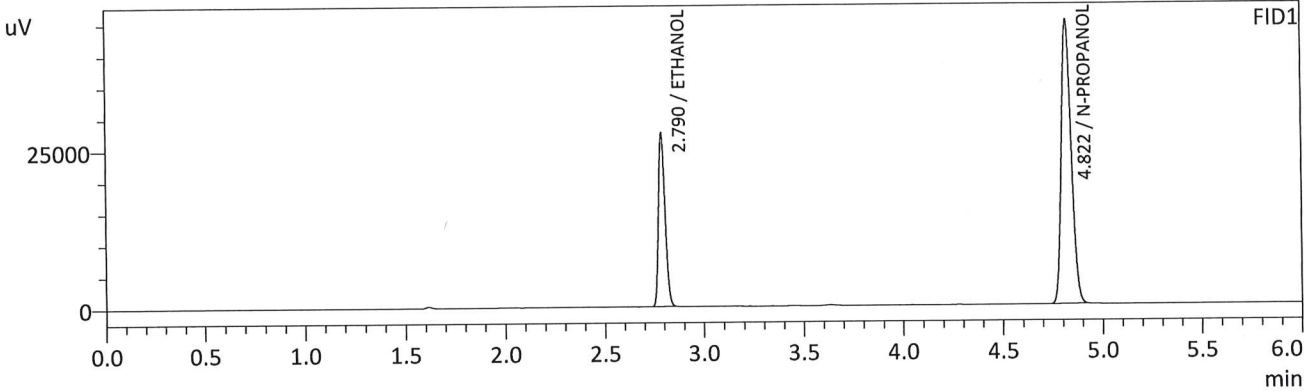
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1000	g/100cc	31624	13427
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156743	44643
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	32954	16249
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163761	61179
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_1182022_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 11:31:02 AM
 Date Processed : 11/9/2022 11:47:17 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

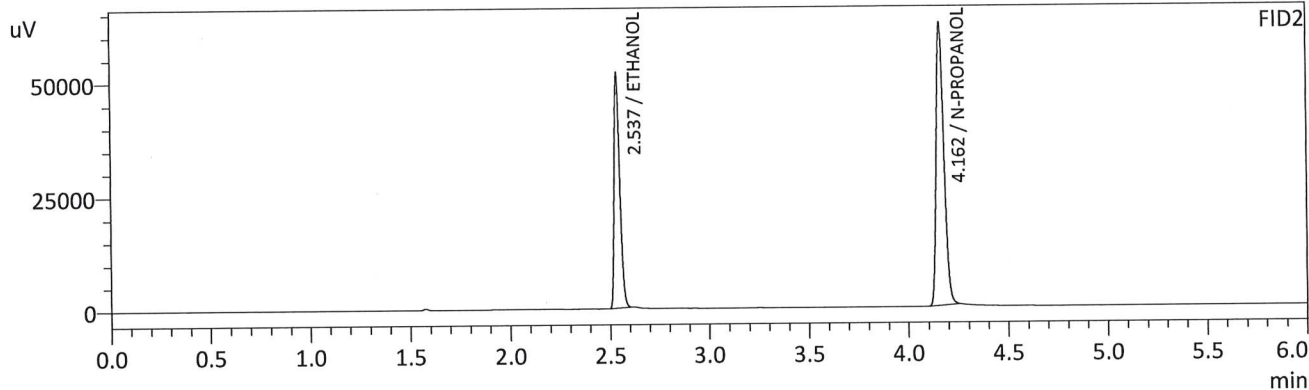
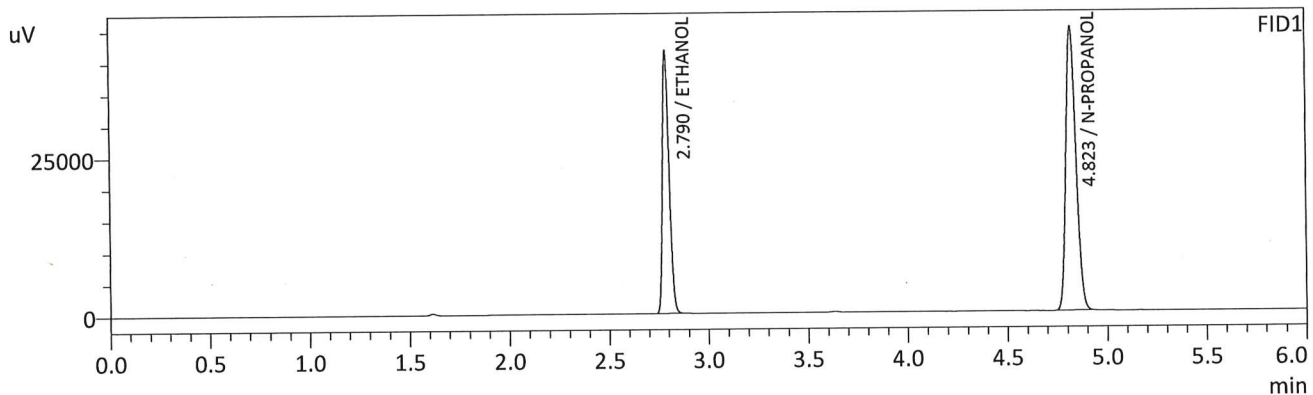
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1995	g/100cc	63912	27418
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157609	44972
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1984	g/100cc	67285	33842
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164871	62222
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_1182022_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 11:40:46 AM
 Date Processed : 11/9/2022 11:47:19 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

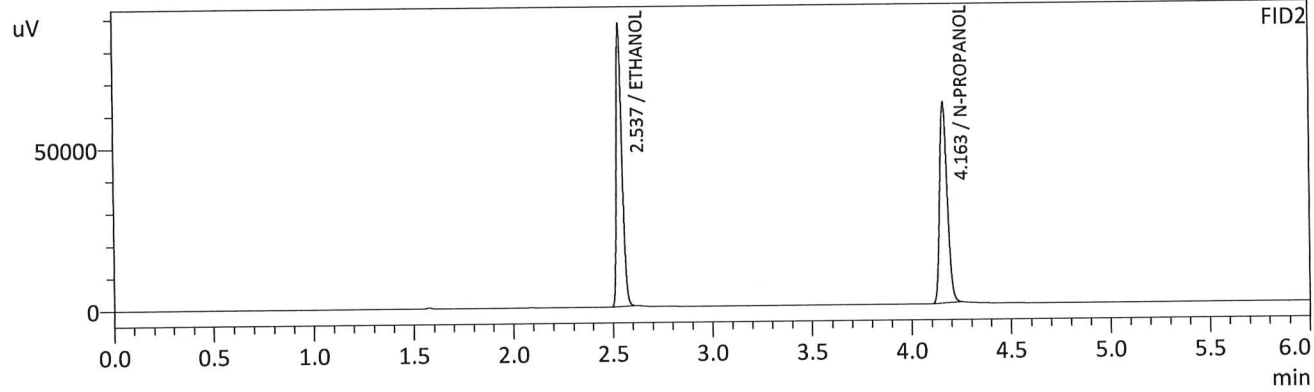
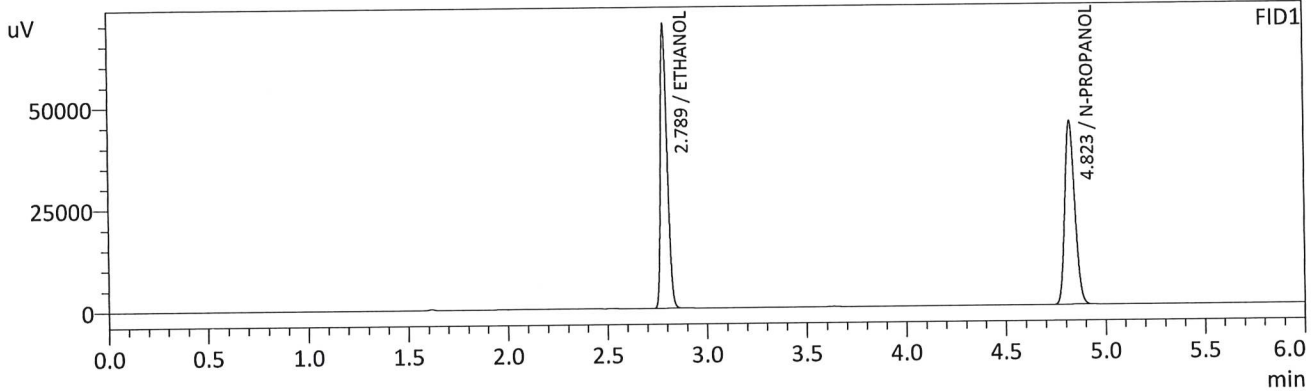
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2996	g/100cc	96335	41416
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157808	44870
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2987	g/100cc	102008	51532
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164722	61920
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_1182022_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 11:50:18 AM
 Date Processed : 11/9/2022 11:47:20 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

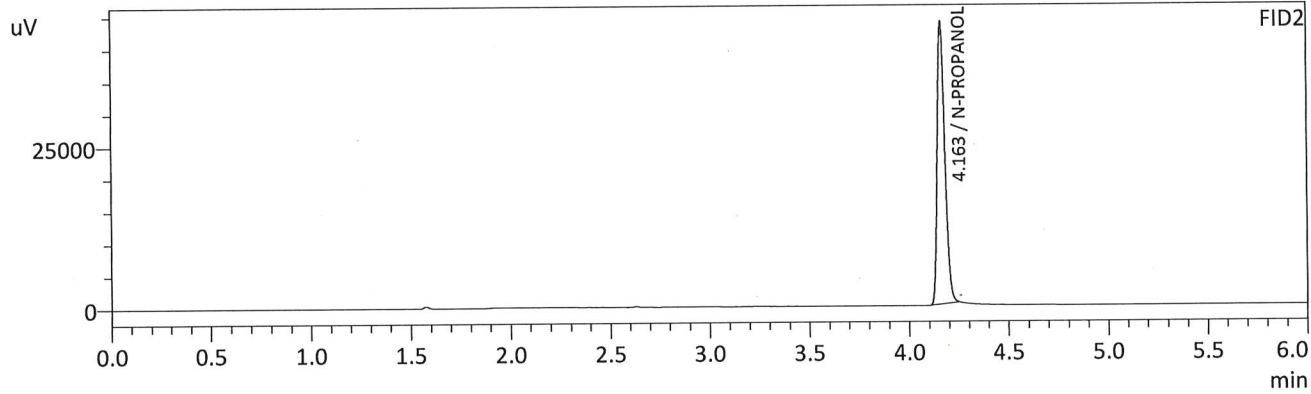
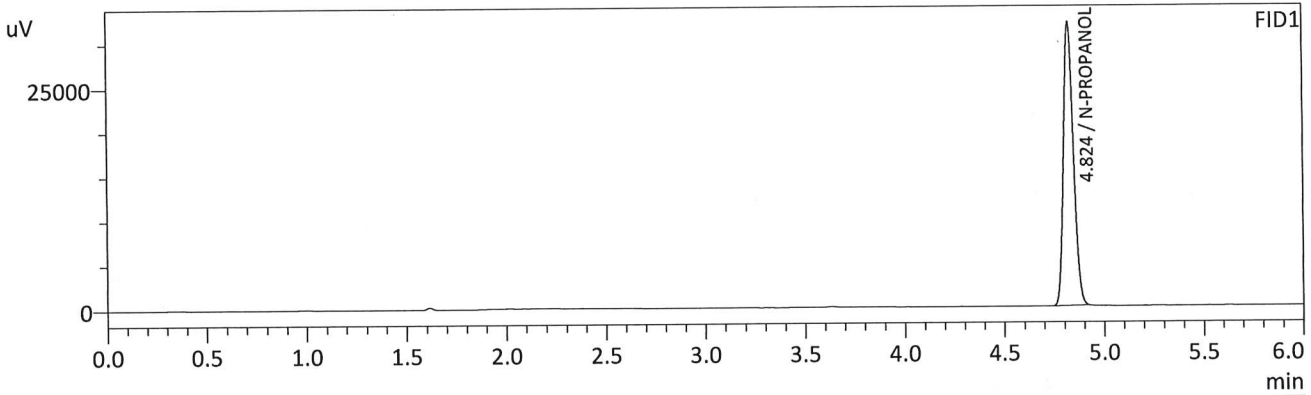
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5003	g/100cc	160989	69613
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157655	44949
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5011	g/100cc	171874	87296
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164379	61660
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_1182022_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 11:59:35 AM
 Date Processed : 11/9/2022 11:47:23 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

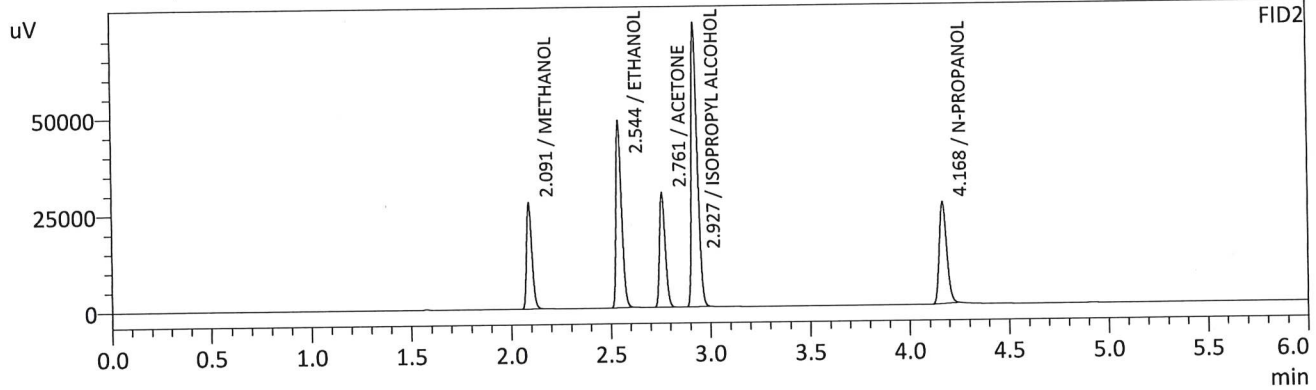
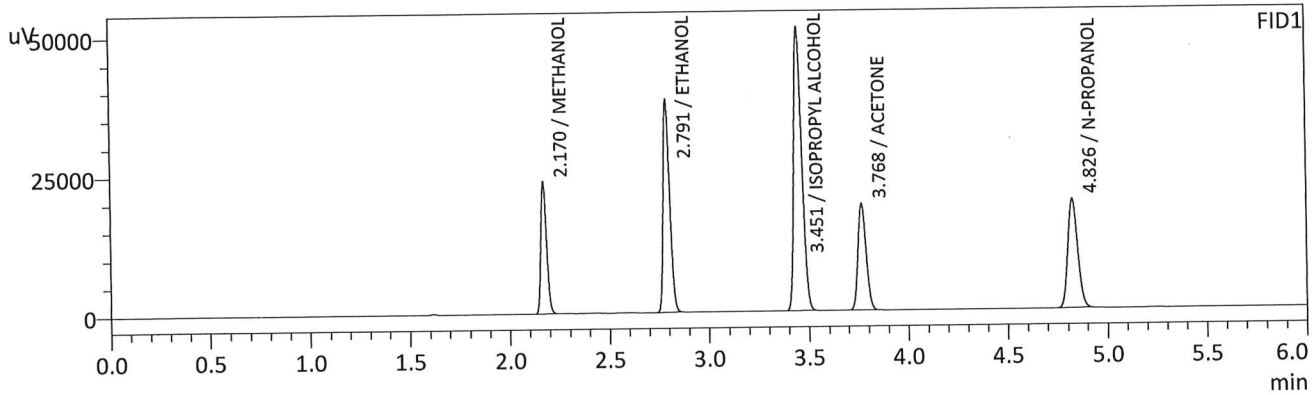
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	111868	31980
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	115793	43281
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_1182022_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 12:09:19 PM
 Date Processed : 11/9/2022 11:47:24 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

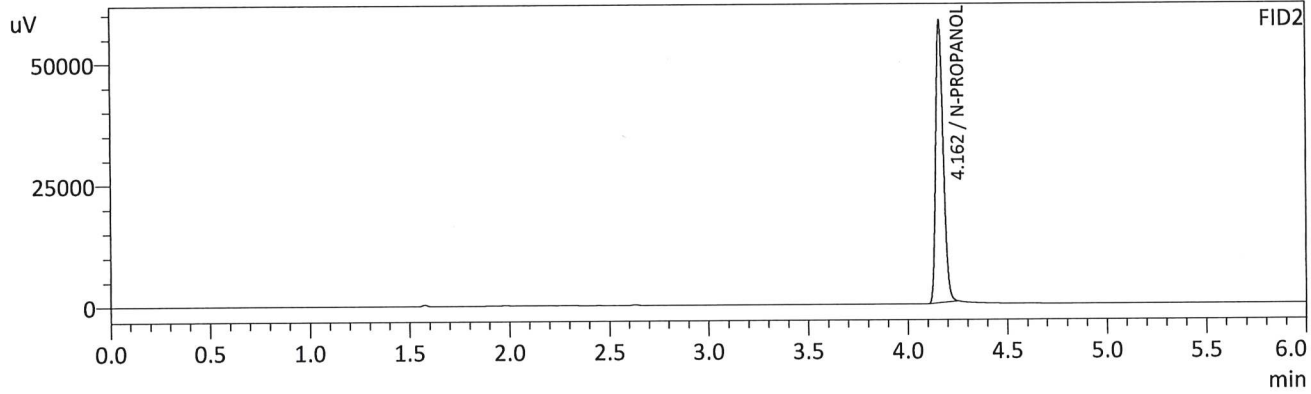
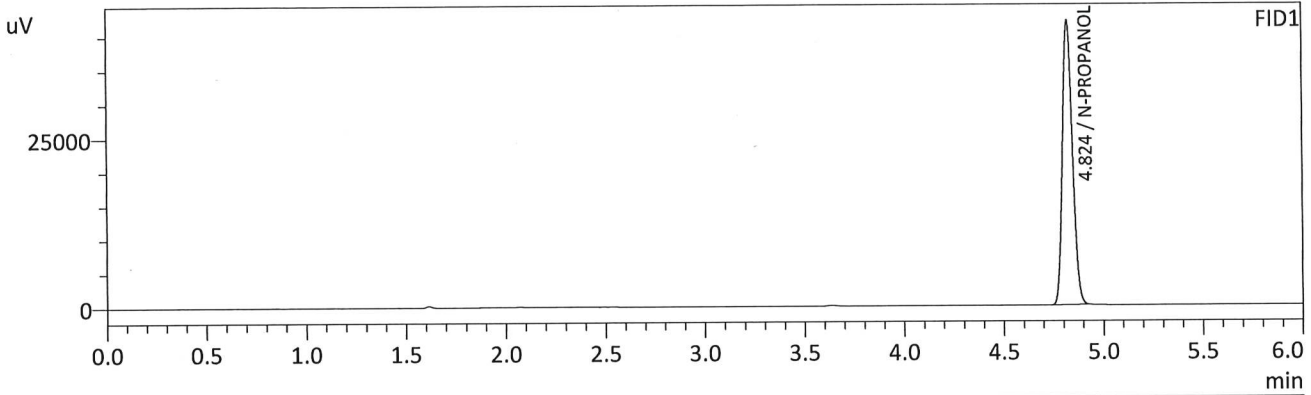
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	47637	23414
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.6305	g/100cc	87473	37743
ISOPROPYL ALCOHOL	0.0000	g/100cc	140419	50817
ACETONE	0.0000	g/100cc	54500	19089
N-PROPANOL	0.0000	g/100cc	67924	19455
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	50727	27074
ETHANOL	0.6494	g/100cc	94366	47505
ACETONE	0.0000	g/100cc	58886	29571
ISOPROPYL ALCOHOL	0.0000	g/100cc	151794	72485
N-PROPANOL	0.0000	g/100cc	69498	26129
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_1182022_008.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 12:18:50 PM
 Date Processed : 11/9/2022 11:47:26 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	147424	41988
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	154001	57876
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Volatiles BAC Casefile Worksheet

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-1

Item #

Analysis Date(s): 11/08/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0734	0.0737	0.0003	0.0735	0.0003	0.0736
(g/100cc)	0.0736	0.0740	0.0004	0.0738		

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%

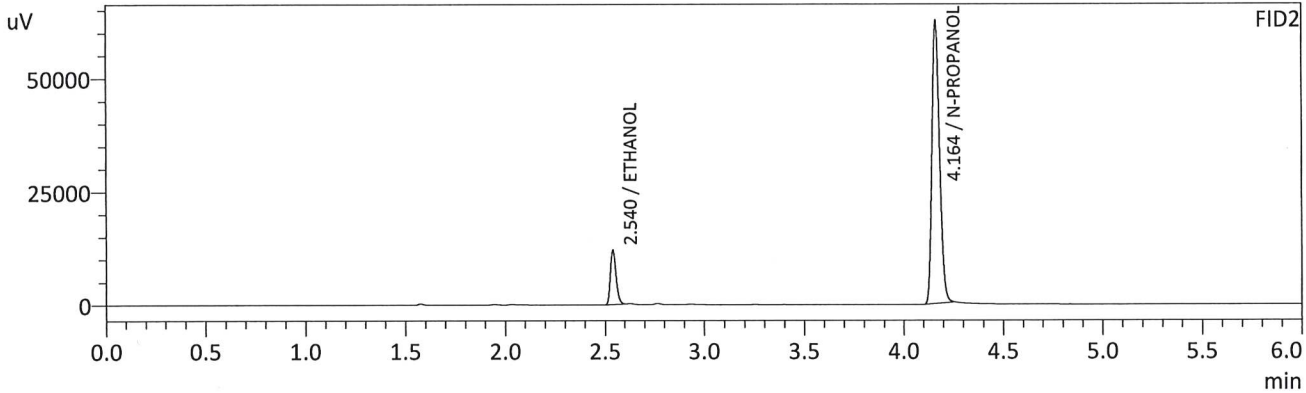
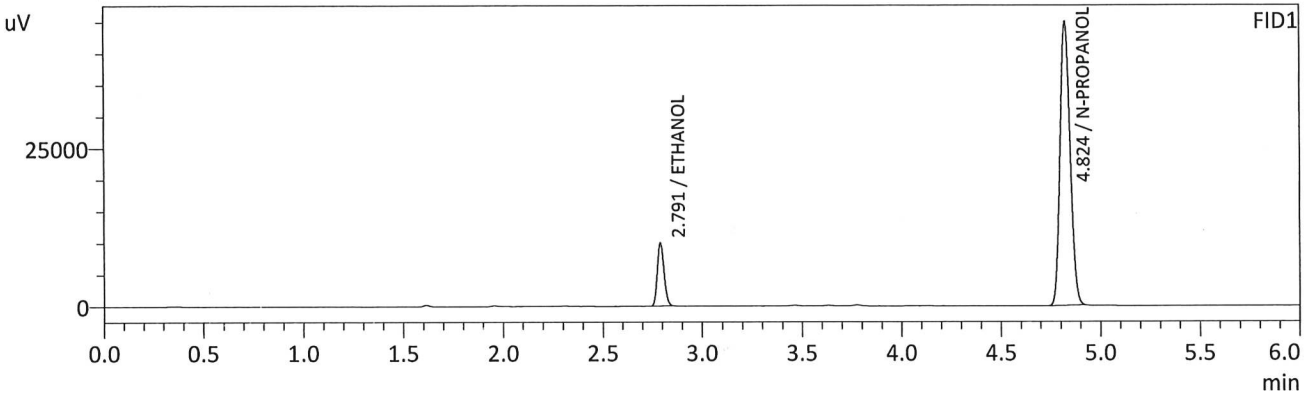
Overall Mean (g/100cc)	Low	High	5% of Mean
0.073	0.069	0.077	0.004

Reported Result	
0.073	

Calibration and control data are stored centrally.

TS

Sample Name : QC1-1-A
 Vial # : 9
 Data Filename : QC1-1-A_1182022_009.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 12:28:08 PM
 Date Processed : 11/9/2022 11:47:27 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

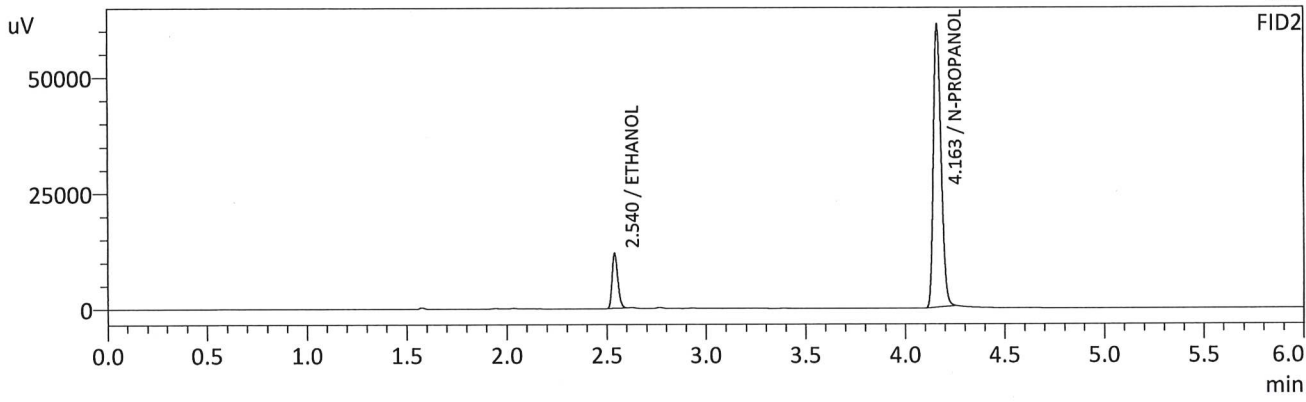
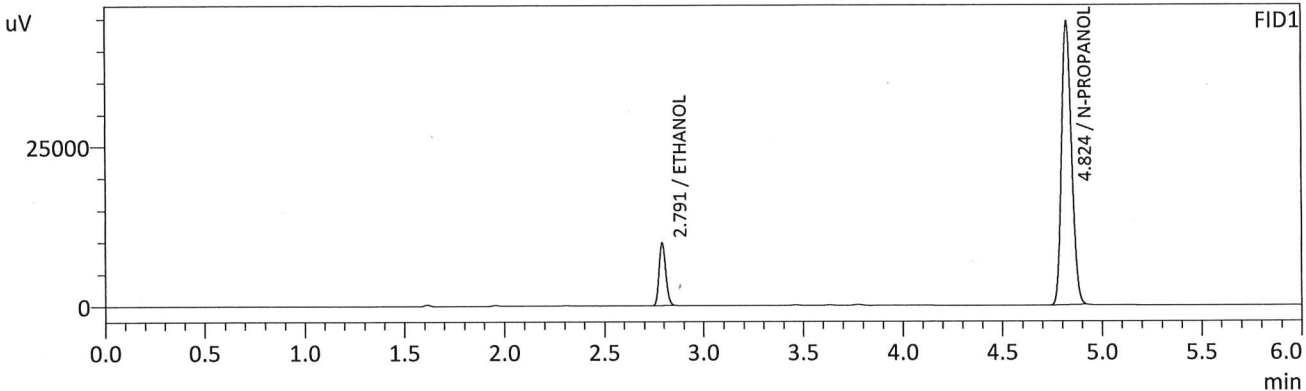
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0734	g/100cc	23260	9892
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157913	44897
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0737	g/100cc	24012	11877
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165160	61993
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AS

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_1182022_010.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 12:37:52 PM
 Date Processed : 11/9/2022 11:47:28 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0736	g/100cc	22958	9745
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155498	44396
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0740	g/100cc	23765	11760
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162667	60531
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.08 QA

Item #

Analysis Date(s): 11/08/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0812	0.0004	0.0810	0.0003	0.0811
(g/100cc)	0.0811	0.0816	0.0005	0.0813		

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%

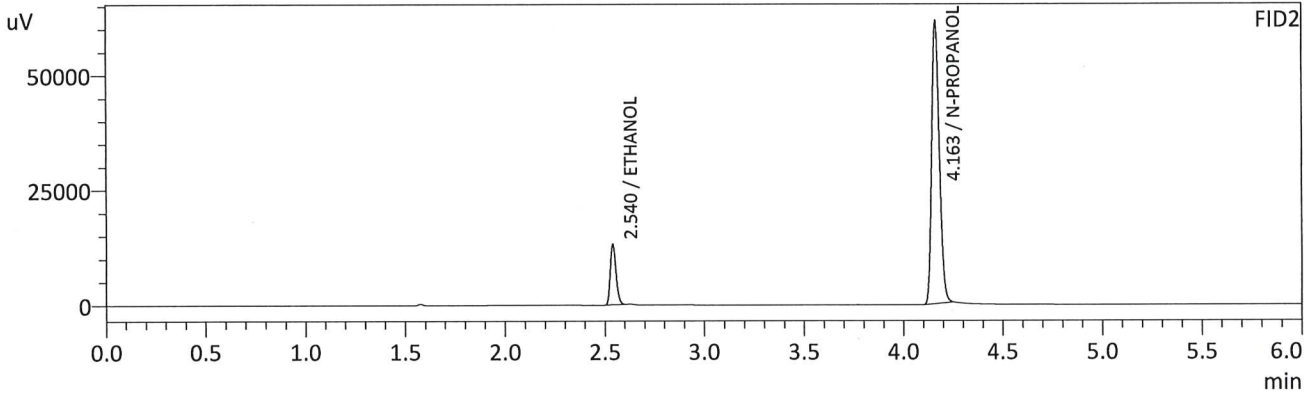
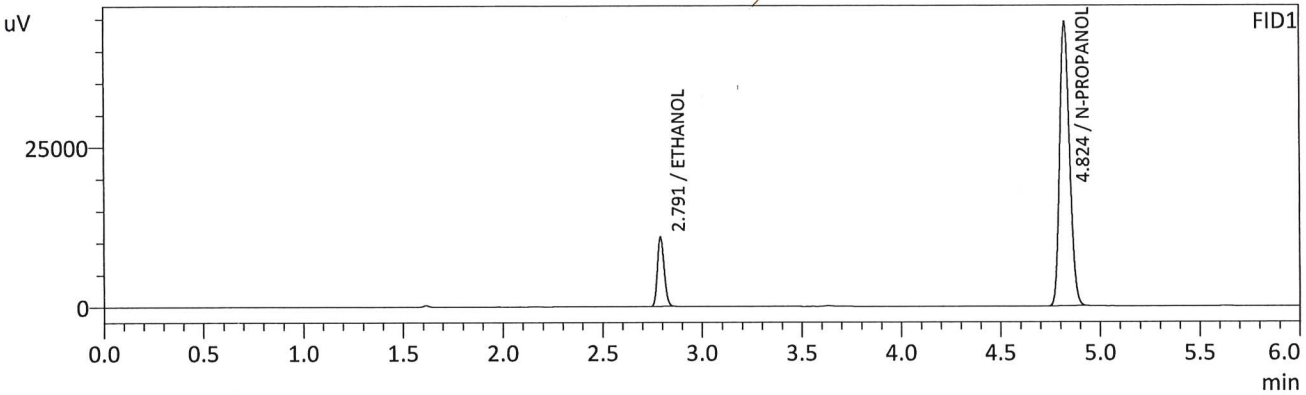
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

TS

Sample Name : 0.08 QA - A
 Vial # : 11
 Data Filename : 0.08 QA - A_1182022_011.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 12:47:24 PM
 Date Processed : 11/9/2022 11:47:29 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

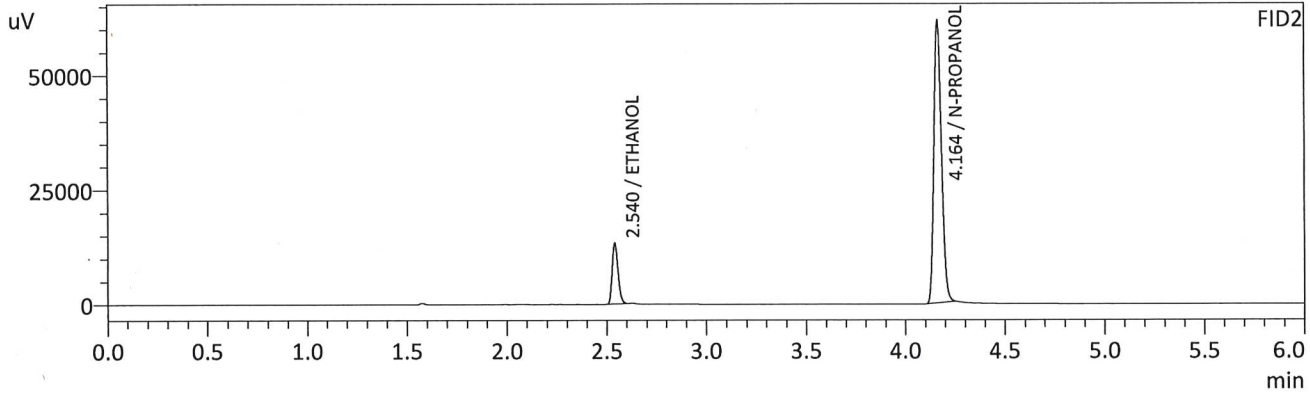
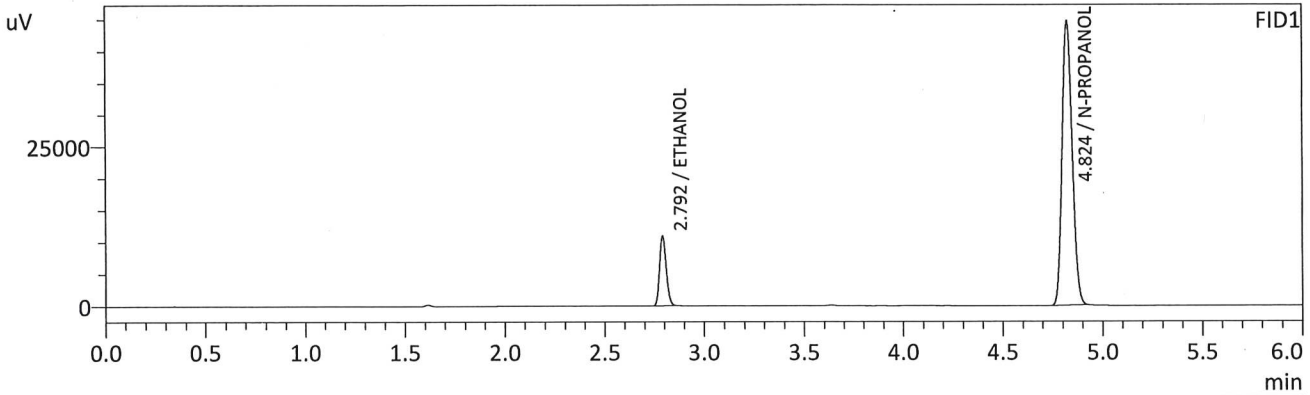
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	25308	10754
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155782	44380
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	26266	13020
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162931	61009
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_1182022_012.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 12:56:43 PM
 Date Processed : 11/9/2022 11:47:31 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	25503	10831
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156388	44564
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	26516	13176
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163451	61423
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1

Item #

Analysis Date(s): 11/08/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2145	0.2160	0.0015	0.2152	0.0007	0.2156
(g/100cc)	0.2151	0.2168	0.0017	0.2159		

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%

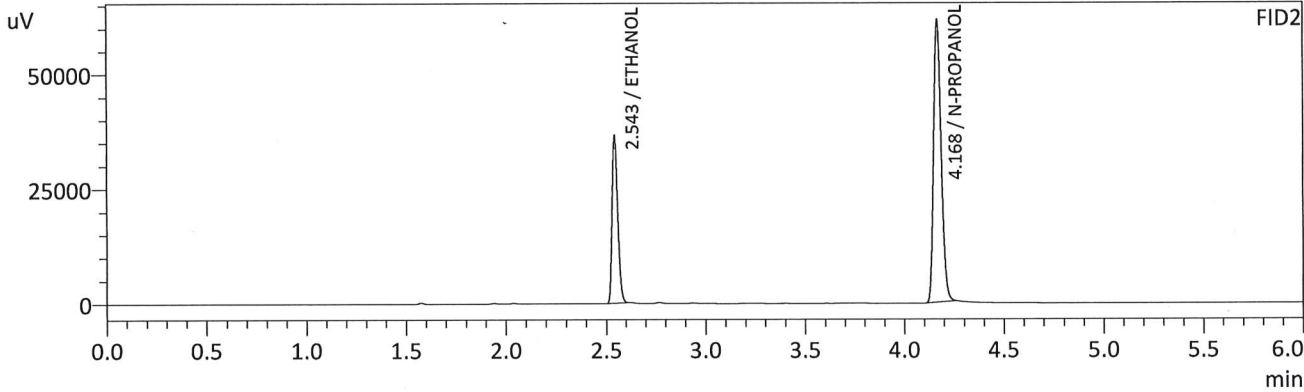
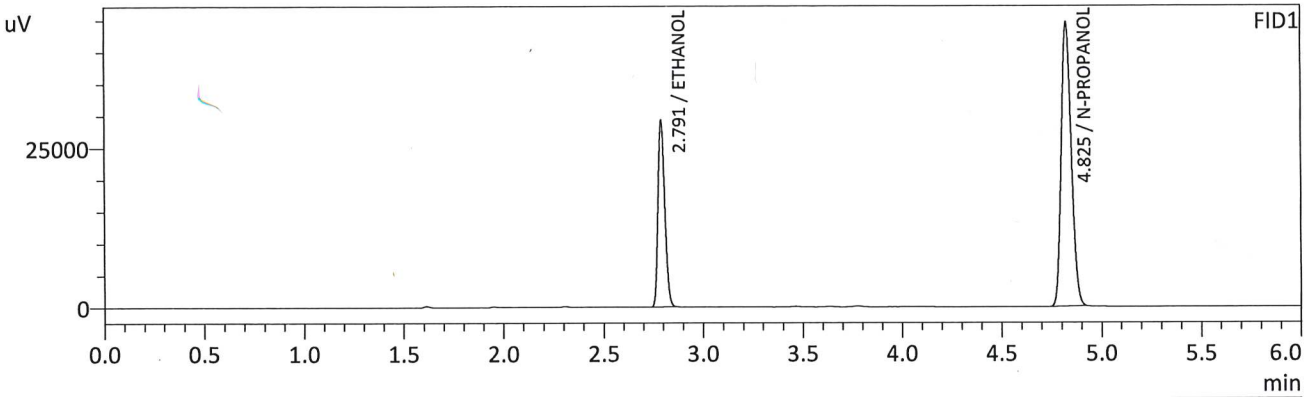
Overall Mean (g/100cc)	Low	High	5% of Mean
0.215	0.204	0.226	0.011

Reported Result	
0.215	

Calibration and control data are stored centrally.

15

Sample Name : QC2-1-A
 Vial # : 31
 Data Filename : QC2-1-A_1182022_031.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 3:57:46 PM
 Date Processed : 11/9/2022 11:47:57 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

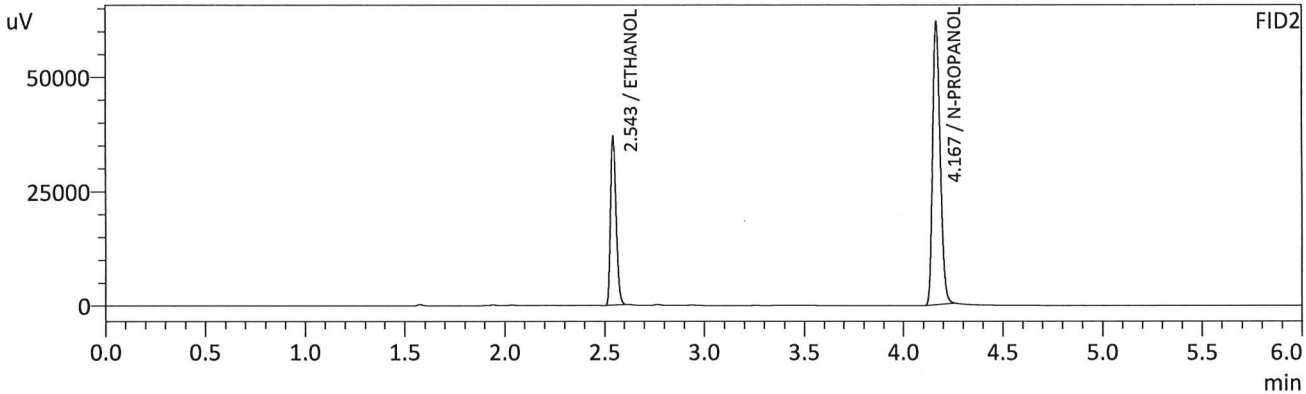
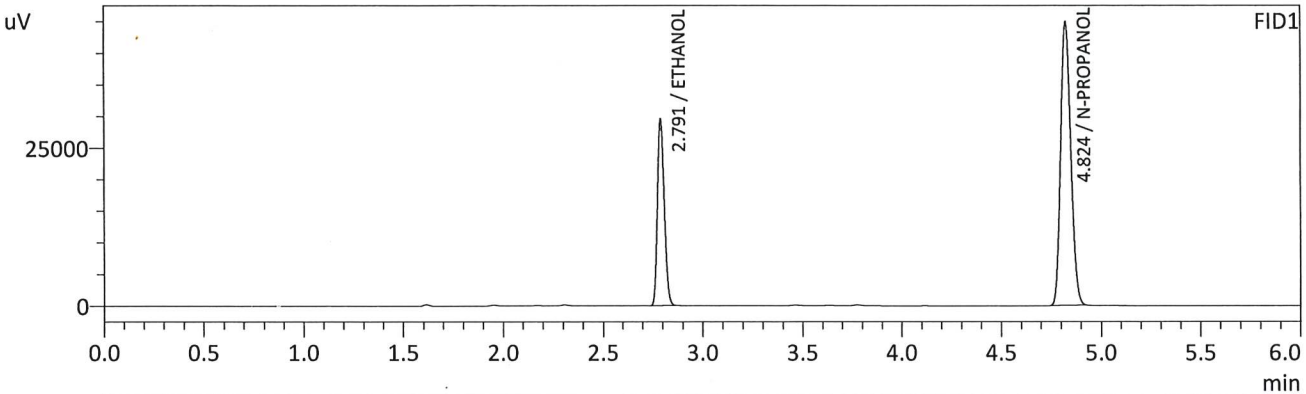
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2145	g/100cc	68172	28974
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156302	44400
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2160	g/100cc	72529	35957
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162944	61139
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_1182022_032.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 4:07:18 PM
 Date Processed : 11/9/2022 11:47:58 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2151	g/100cc	68865	29218
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157430	44842
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2168	g/100cc	73358	36449
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164162	61495
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Volatiles BAC Casefile Worksheet

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2

Item #

Analysis Date(s): 11/08/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0800	0.0812	0.0012	0.0806	0.0003	0.0804
(g/100cc)	0.0796	0.0810	0.0014	0.0803		

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%

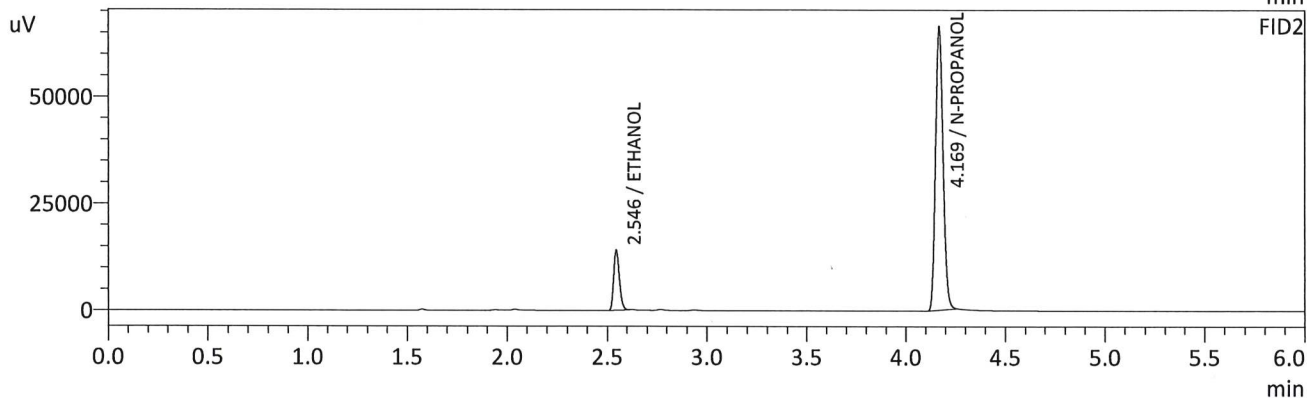
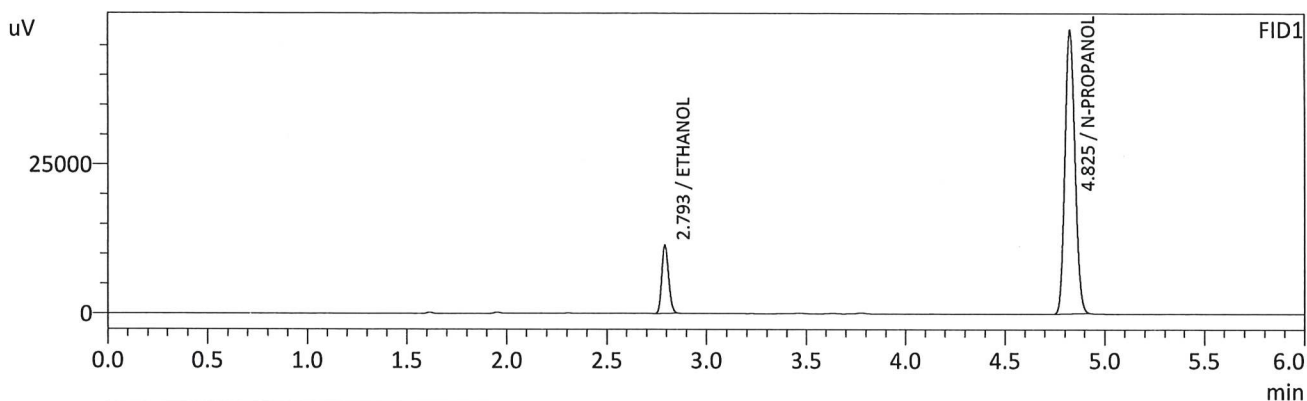
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result	
0.080	

Calibration and control data are stored centrally.

BS

Sample Name : QC1-2-A
 Vial # : 53
 Data Filename : QC1-2-A_1182022_053.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 7:27:13 PM
 Date Processed : 11/9/2022 11:48:22 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

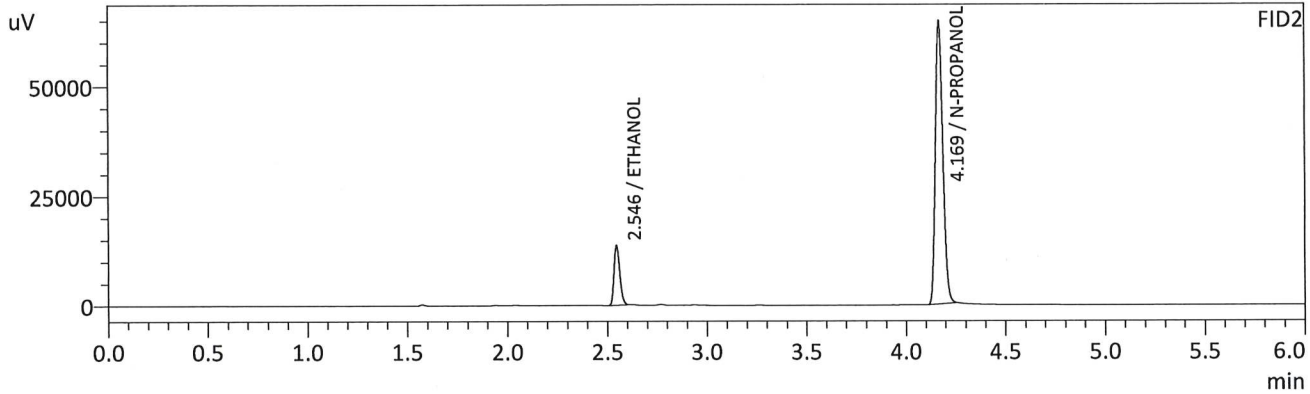
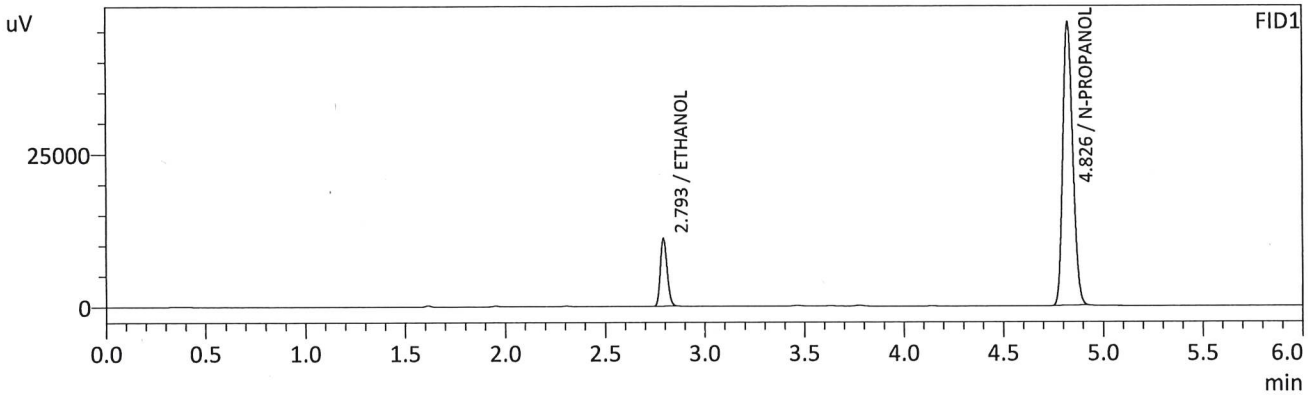
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0800	g/100cc	26785	11428
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166684	47430
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	28200	14069
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174893	66004
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_1182022_054.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 7:36:29 PM
 Date Processed : 11/9/2022 11:48:23 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0796	g/100cc	25967	11083
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162351	46111
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	27396	13651
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170396	64404
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

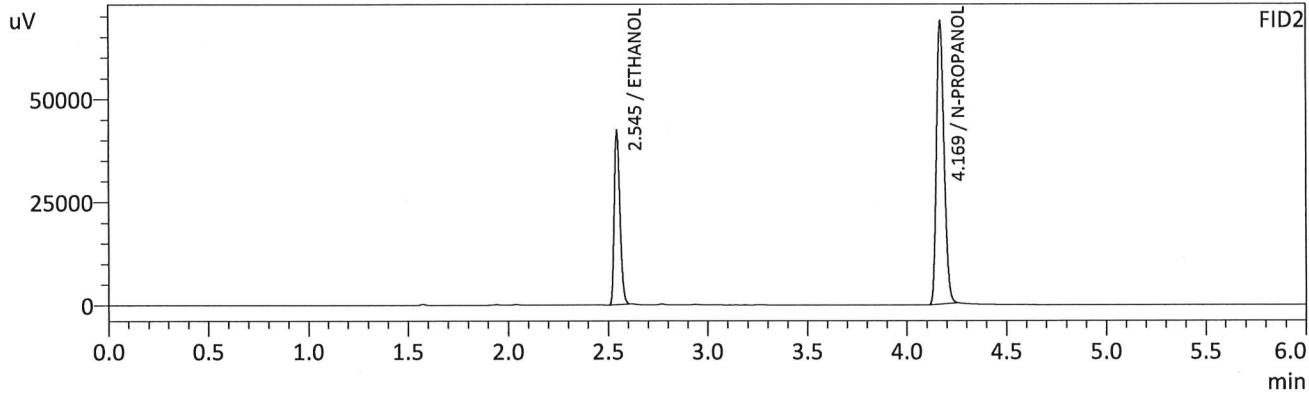
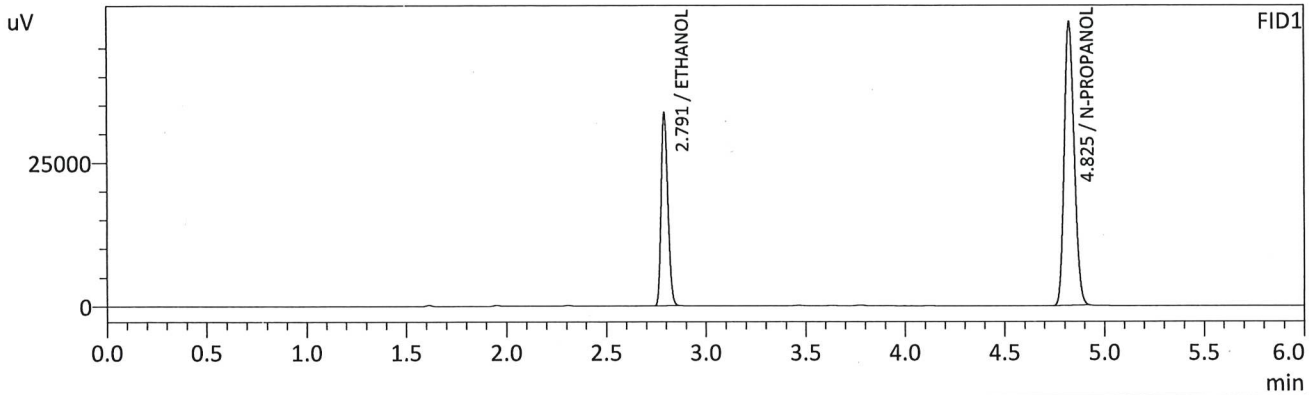
VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-2		Item #		Analysis Date(s): 11/08/2022		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2229	0.2231	0.0002	0.2230	0.0009	0.2225
(g/100cc)	0.2222	0.2220	0.0002	0.2221		
Analysis Method						
Refer to Blood Alcohol Method #1						
Instrument Information						
<i>Instrument information is stored centrally.</i>						
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		
0.222		0.210	0.234	0.012		
		Reported Result				
		0.222				

Calibration and control data are stored centrally.

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Sample Name : QC2-2-A
 Vial # : 61
 Data Filename : QC2-2-A_1182022_061.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 8:43:25 PM
 Date Processed : 11/9/2022 11:48:32 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

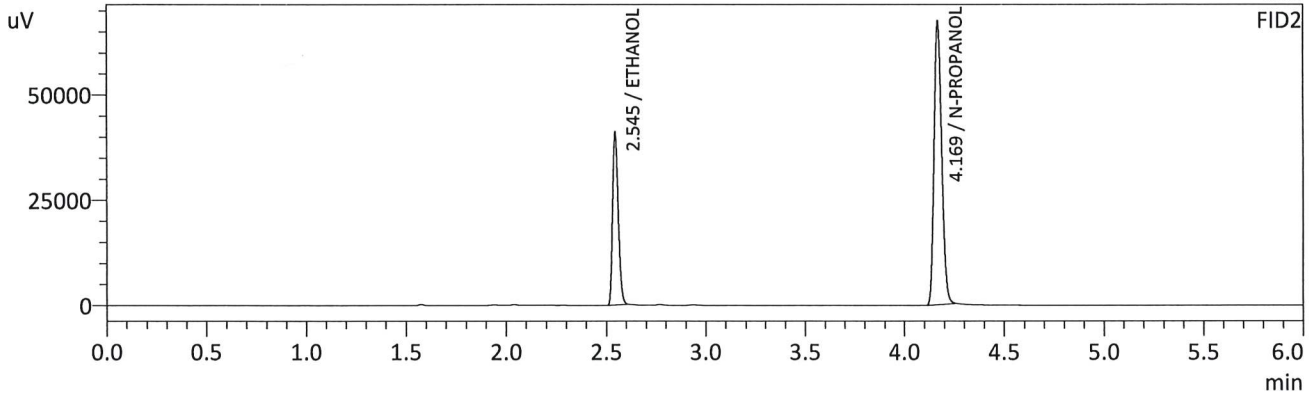
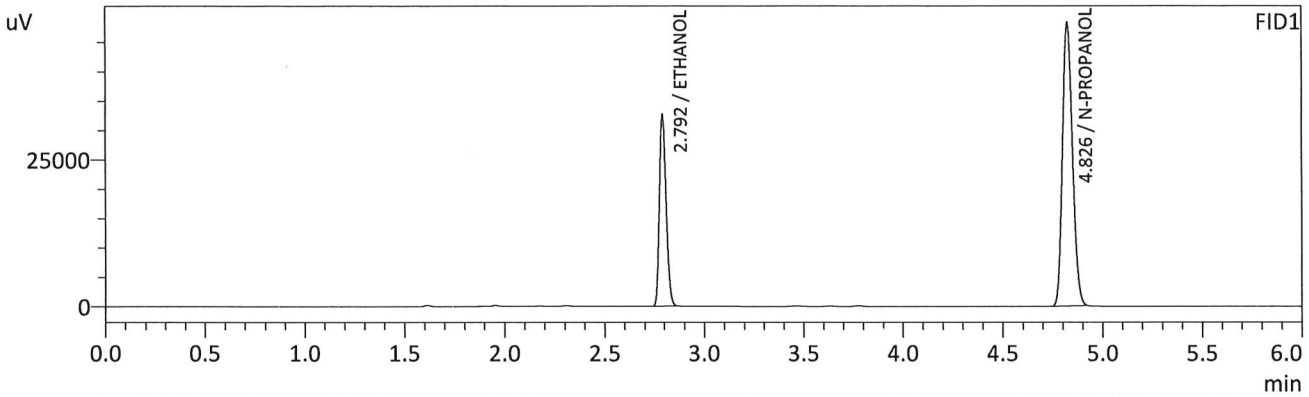
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2229	g/100cc	78566	33297
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173310	49281
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2231	g/100cc	83712	41837
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181933	68399
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC2-2-B
 Vial # : 62
 Data Filename : QC2-2-B_1182022_062.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 8:52:50 PM
 Date Processed : 11/9/2022 11:48:33 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

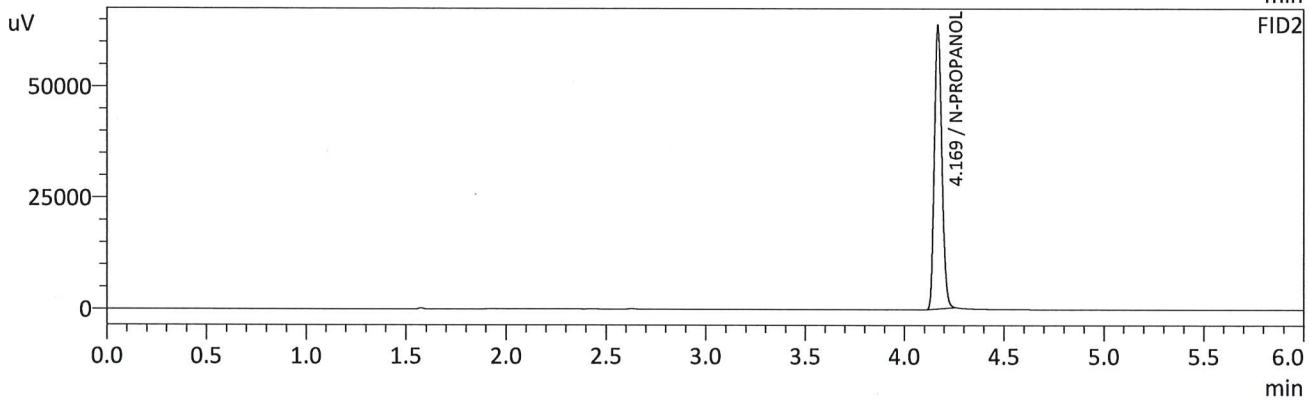
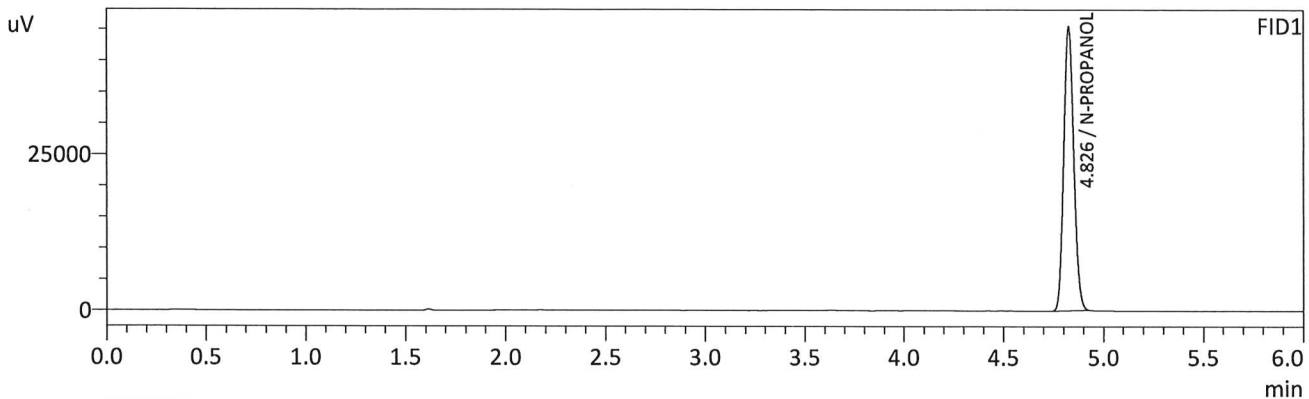
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2222	g/100cc	76338	32522
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168961	48100
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2220	g/100cc	81364	40866
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177754	67082
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 3
 Vial # : 63
 Data Filename : INT STD BLK 3_1182022_063.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 11-08-22 TS.gcb
 Date Acquired : 11/8/2022 9:02:07 PM
 Date Processed : 11/9/2022 11:48:34 AM
 C:\LabSolutions\Data\2022\11-08-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158698	45256
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	167421	63555
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
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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL.gcm	0.050_1182022_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_1182022_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_1182022_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_1182022_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_1182022_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_1182022_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_1182022_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_1182022_008.gcd	0
9	QC1-1-A	0:Unknown	ALCOHOL.gcm	QC1-1-A_1182022_009.gcd	0
10	QC1-1-B	0:Unknown	ALCOHOL.gcm	QC1-1-B_1182022_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_1182022_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_1182022_012.gcd	0
13	C2022-2335-2-A	0:Unknown	ALCOHOL.gcm	C2022-2335-2-A_1182022_013.gcd	0
14	C2022-2335-2-B	0:Unknown	ALCOHOL.gcm	C2022-2335-2-B_1182022_014.gcd	0
15	P2022-3246-1-A	0:Unknown	ALCOHOL.gcm	P2022-3246-1-A_1182022_015.gcd	0
16	P2022-3246-1-B	0:Unknown	ALCOHOL.gcm	P2022-3246-1-B_1182022_016.gcd	0
17	P2022-3248-1-A	0:Unknown	ALCOHOL.gcm	P2022-3248-1-A_1182022_017.gcd	0
18	P2022-3248-1-B	0:Unknown	ALCOHOL.gcm	P2022-3248-1-B_1182022_018.gcd	0
19	P2022-3249-1-A	0:Unknown	ALCOHOL.gcm	P2022-3249-1-A_1182022_019.gcd	0
20	P2022-3249-1-B	0:Unknown	ALCOHOL.gcm	P2022-3249-1-B_1182022_020.gcd	0
21	P2022-3253-1-A	0:Unknown	ALCOHOL.gcm	P2022-3253-1-A_1182022_021.gcd	0
22	P2022-3253-1-B	0:Unknown	ALCOHOL.gcm	P2022-3253-1-B_1182022_022.gcd	0
23	P2022-3255-1-A	0:Unknown	ALCOHOL.gcm	P2022-3255-1-A_1182022_023.gcd	0
24	P2022-3255-1-B	0:Unknown	ALCOHOL.gcm	P2022-3255-1-B_1182022_024.gcd	0
25	P2022-3286-1-A	0:Unknown	ALCOHOL.gcm	P2022-3286-1-A_1182022_025.gcd	0
26	P2022-3286-1-B	0:Unknown	ALCOHOL.gcm	P2022-3286-1-B_1182022_026.gcd	0
27	P2022-3298-1-A	0:Unknown	ALCOHOL.gcm	P2022-3298-1-A_1182022_027.gcd	0
28	P2022-3298-1-B	0:Unknown	ALCOHOL.gcm	P2022-3298-1-B_1182022_028.gcd	0
29	P2022-3302-1-A	0:Unknown	ALCOHOL.gcm	P2022-3302-1-A_1182022_029.gcd	0
30	P2022-3302-1-B	0:Unknown	ALCOHOL.gcm	P2022-3302-1-B_1182022_030.gcd	0
31	QC2-1-A	0:Unknown	ALCOHOL.gcm	QC2-1-A_1182022_031.gcd	0
32	QC2-1-B	0:Unknown	ALCOHOL.gcm	QC2-1-B_1182022_032.gcd	0
33	P2022-3303-1-A	0:Unknown	ALCOHOL.gcm	P2022-3303-1-A_1182022_033.gcd	0
34	P2022-3303-1-B	0:Unknown	ALCOHOL.gcm	P2022-3303-1-B_1182022_034.gcd	0
35	P2022-3314-2-A	0:Unknown	ALCOHOL.gcm	P2022-3314-2-A_1182022_035.gcd	0
36	P2022-3314-2-B	0:Unknown	ALCOHOL.gcm	P2022-3314-2-B_1182022_036.gcd	0
37	P2022-3329-1-A	0:Unknown	ALCOHOL.gcm	P2022-3329-1-A_1182022_037.gcd	0
38	P2022-3329-1-B	0:Unknown	ALCOHOL.gcm	P2022-3329-1-B_1182022_038.gcd	0
39	P2022-3331-1-A	0:Unknown	ALCOHOL.gcm	P2022-3331-1-A_1182022_039.gcd	0
40	P2022-3331-1-B	0:Unknown	ALCOHOL.gcm	P2022-3331-1-B_1182022_040.gcd	0
41	P2022-3332-1-A	0:Unknown	ALCOHOL.gcm	P2022-3332-1-A_1182022_041.gcd	0
42	P2022-3332-1-B	0:Unknown	ALCOHOL.gcm	P2022-3332-1-B_1182022_042.gcd	0
43	P2022-3333-2-A	0:Unknown	ALCOHOL.gcm	P2022-3333-2-A_1182022_043.gcd	0
44	P2022-3333-2-B	0:Unknown	ALCOHOL.gcm	P2022-3333-2-B_1182022_044.gcd	0
45	P2022-3334-1-A	0:Unknown	ALCOHOL.gcm	P2022-3334-1-A_1182022_045.gcd	0
46	P2022-3334-1-B	0:Unknown	ALCOHOL.gcm	P2022-3334-1-B_1182022_046.gcd	0
47	P2022-3371-1-A	0:Unknown	ALCOHOL.gcm	P2022-3371-1-A_1182022_047.gcd	0
48	P2022-3371-1-B	0:Unknown	ALCOHOL.gcm	P2022-3371-1-B_1182022_048.gcd	0
49	P2022-3375-1-A	0:Unknown	ALCOHOL.gcm	P2022-3375-1-A_1182022_049.gcd	0
50	P2022-3375-1-B	0:Unknown	ALCOHOL.gcm	P2022-3375-1-B_1182022_050.gcd	0
51	P2022-3388-1-A	0:Unknown	ALCOHOL.gcm	P2022-3388-1-A_1182022_051.gcd	0
52	P2022-3388-1-B	0:Unknown	ALCOHOL.gcm	P2022-3388-1-B_1182022_052.gcd	0

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_1182022_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_1182022_054.gcd	0
55	P2022-3389-1-A	0:Unknown	ALCOHOL.gcm	P2022-3389-1-A_1182022_055.gcd	0
56	P2022-3389-1-B	0:Unknown	ALCOHOL.gcm	P2022-3389-1-B_1182022_056.gcd	0
57	P2022-3418-1-A	0:Unknown	ALCOHOL.gcm	P2022-3418-1-A_1182022_057.gcd	0
58	P2022-3418-1-B	0:Unknown	ALCOHOL.gcm	P2022-3418-1-B_1182022_058.gcd	0
59	P2022-3419-1-A	0:Unknown	ALCOHOL.gcm	P2022-3419-1-A_1182022_059.gcd	0
60	P2022-3419-1-B	0:Unknown	ALCOHOL.gcm	P2022-3419-1-B_1182022_060.gcd	0
61	QC2-2-A	0:Unknown	ALCOHOL.gcm	QC2-2-A_1182022_061.gcd	0
62	QC2-2-B	0:Unknown	ALCOHOL.gcm	QC2-2-B_1182022_062.gcd	0
63	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_1182022_063.gcd	0