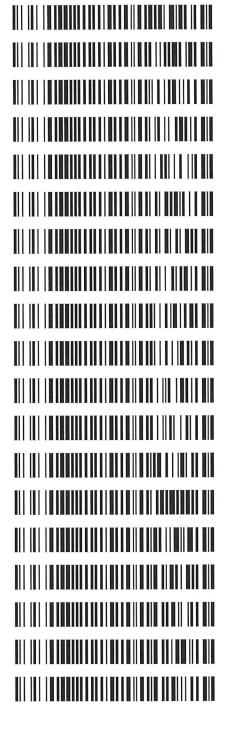
### REVIEWED By Tamara Salazar at 10:25 am, Aug 08, 2024

Worklist: 6890

VVOI	Kiist. 00	30		
LAE	3 CASE	<u>ITEM</u>	ITEM TYPE	DESCRIPTION
P20	24-2245	1	вск	Alcohol Analysis
P20	24-2259	1	вск	Alcohol Analysis
P20	)24-2269	1	вск	Alcohol Analysis
>P20	24-2288	1	вск	Alcohol Analysis
P20	)24-2290	1	вск	Alcohol Analysis
>P20	024-2301	1	вск	Alcohol Analysis
P20	)24-2311	1	вск	Alcohol Analysis
P20	024-2317	1	вск	Alcohol Analysis
P20	024-2319	1	вск	Alcohol Analysis
P20	024-2326	1	вск	Alcohol Analysis
P20	024-2335	1	ВСК	Alcohol Analysis
P20	024-2335	2	вск	Alcohol Analysis
P20	024-2342	1	вск	Alcohol Analysis
P20	024-2384	1	вск	Alcohol Analysis
P20	024-2396	1	вск	Alcohol Analysis
P2	024-2398	1	вск	Alcohol Analysis
P2	024-2399	1	вск	Alcohol Analysis
P2	024-2400	1	вск	Alcohol Analysis
P2	024-2401	1	вск	Alcohol Analysis



→ Both cases reanalyzed, new samples with next batch.

RC 8/7/24

# Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number:

ML600GB9897

Volatiles Quality Assurance Controls Run Date(s): 08/06/2024

Calibration Date: (if different):

Worklist #:

_									
	Multi-Component mixture:		Level 2			Level 1		Control level	
Curve Fit:	nent mixture:		Mar-26			Oct-26		Expiration	
	Exp:		2110181			2209047		Lot#	
	2024 October		)181			047		t #	
Column 1	ctober		0.2030			0.0877		Target Value	
0.9	Lot#		)30			877		Value	TYOAA
0.99993	FN06041902 OK		0.1827-0.2233			0.0789-0.0964		Acceptab	AA OT TRITISE !! .
Column2	902 OK		-0.2233			-0.0964		Acceptable Range	
0.99989		g/100cc	g/100cc	0.2079 g/100cc	g/100cc	0.0901 g/100cc	0.0883 g/100cc	Overall Results	0070

### **Ethanol Calibration Reference Material**

0.5015	0.0002	0.5016	0.5014	0.450 - 0.550	0.500	500
#DIV/0!	0			0.360 - 0.440	0.400	400
0.298	0.0002	0.2979	0.2981	0.270 - 0.330	0.300	300
0.1984	0.0004	0.1982	0.1986	0.180 - 0.220	0.200	200
0.1003	0.0001	0.1003	0.1004	0.090 - 0.110	0.100	100
0.0514	0.0005	0.0517	0.0512	0.045 - 0.055	0.050	50
Mean	Precision	Column 2 Precision	Column 1	Acceptable Range	Target Value	Calibrator level

### Aqueous Controls

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

Revision: 5

Issuing Authority: Quality Manager Issue Date: 07/05/2022

## Internal Standard Monitoring Worksheet

Worklist #:	
6890	
Run Date(s):	
08/06/2024	

Internal Standard Solution:

Prep Date:

7/11/2024

Exp Date:

1/11/2025

Sample Name	Column 1 Value	Column 2 Value
0.080	190751	190325
0.080	184352	183747
QC1	188843	188256
QC1	189778	189222
QC1	203445	205605
QC1	202511	204462
QC1		
QC1		
QC2	188812	190034
QC2	188274	189468
QC2		

			00.00
231167.9	154111.9	192639.9	Column 2
230514.9	153676.6	192095.8	Column 1
(+)20%	(-)20%	Average	



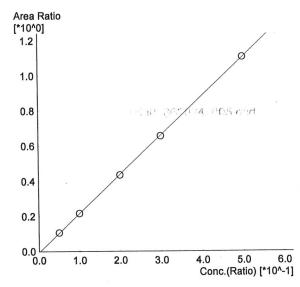
Issuing Authority: Quality Manager

Issue Date: 07/05/2022

Revision: 5

Laboratory: Pocatello Instrument Name :: GC SN- C12255850662 / HS SN- C12595700014 <<Data File>> Method File Batch File :Default Project - ALCOHOL\_080624\_RC.gcm :Default Project - BATCH\_080624\_RC.gcb :8/6/2024 3:17:47 PM :8/6/2024 3:14:17 PM :8/7/2024 9:32:43 AM Date Acquired Date Created **Date Modified** Name: METHANOL Not Ready Detector Name: FID1 Function : f(x)=0\*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through Data File Name Conc. Area Std. Conc. C12263850662711S.FN- C12595700014 Name: ACETALDEHYDE Not Ready Detector Name: FID1 Function : f(x)=0\*x+0 R<sup>2</sup> value= 0 FitType: Linear ZeroThrough: Not Through Std. Conc. Data File Name Conc. Area





Name: ETHANOL
Detector Name: FID1
Function: f(x)=2.22245\*x-0.00661759
R^2 value= 0.9999306
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	20301	0.0512	0.050_862024_001.gcd
2	0.100	41158		0.100_862024_002.gcd
3	0.200	83701	0.1986	0.200_862024_003.gcd
4	0.300	126376		0.300_862024_004.gcd
5	0.500	214141	0.5014	0.500_862024_005.gcd

Not Ready

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.	Data File Name	
---	-------	------	------------	----------------	--

Not Ready

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

# Conc. Area Std. Conc. Data File Name



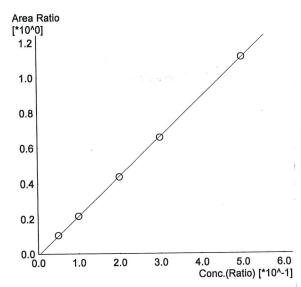
Not Ready			Zero	Name : DFE/TFE Detector Name: FID1 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear DThrough: Not Through
. The assess as and				
	# Conc.	Area	Std. Conc.	Data File Name
Not Ready			Ze	Name : DME Detector Name : FID1 Function : f(x)=0*x+0 R*2 value= 0 FitType: Linear roThrough: Not Through
	# Conc.	Area	Std. Conc.	Data File Name
	,			
Not Ready		¥		Name : ACETALDEHYDE Detector Name: FID2 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear eroThrough: Not Through
is an interest of the second o				
	# Conc.	Area	Std. Conc.	Data File Name
	B sylva	•		



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.	Data File Name
---	-------	------	------------	----------------



Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.24520\*x-0.0104086
R^2 value= 0.9998972
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	20210		0.050_862024_001.gcd
2	0.100	41134		0.100_862024_002.gcd
3	0.200	84180	0.1982	0.200_862024_003.gcd
4	0.300	127560	0.2979	0.300_862024_004.gcd
5	0.500	216905	0.5016	0.500_862024_005.gcd

Not Ready

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

Data File Name

1

Std. Conc.

Conc.

Area

No

Not Ready	Name : ISOPROPYL ALCOHOL Detector Name: FID2 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through
. ಇ. ಮೂ ಪ್ರತ್ಯ ಕಟ್ಟಿಗಳು	
	# Conc. Area Std. Conc. Data File Name
Not Ready	Name : DFE
Not Neady	Detector Name: FID2 Function: f(x)=0*x+0 R^2 value= 0
	FitType: Linear ZeroThrough: Not Through
	# Conc. Area Std. Conc. Data File Name
	*
Not Ready	Name: TFE  Detector Name: FID2  Function: f(x)=0*x+0  R^2 value=
	R^2 value= FitType: Linear ZeroThrough: Not Through
	# Conc. Area Std. Conc. Data File Name

: 0.050

Data Filename

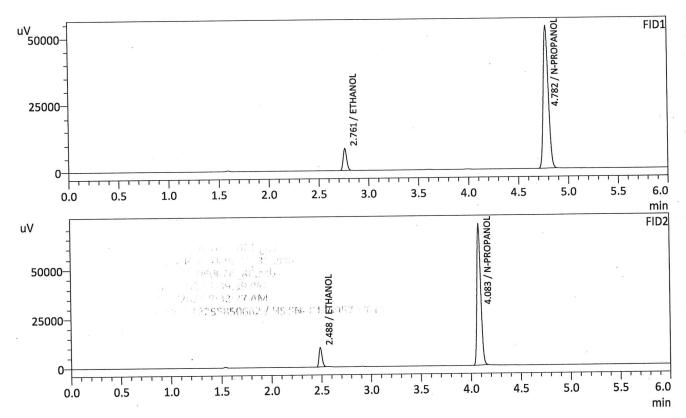
Method Filename Batch Filename

: 1 : 0.050 862024\_001.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb : 8/6/2024 2:39:39 PM

Date Acquired Date Processed

Instrument

: 8/7/2024 9:32:27 AM : GC SN- C12255850662 / HS SN- C12595700014



FID1Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc	- <del></del>	
ETHANOL	0.0512	g/100cc	20301	8384
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	189148	53374
DFE/TFE		g/100cc		
DME		g/100cc		

ID2			A	Haight
Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0517	g/100cc	, 20210	9604
ACETONE		g/100cc	n	
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	191109	71106
DFE		g/100cc		
TFE		g/100cc		



Sample Name Vial # Data Filename

: 0.100

: 2

Method Filename **Batch Filename Date Acquired** 

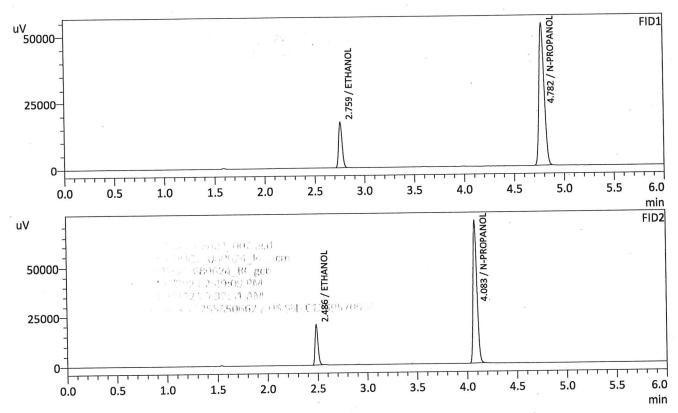
: 0.100\_862024\_002.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb : 8/6/2024 2:49:09 PM : 8/7/2024 9:32:31 AM

0.000

**Date Processed** Instrument

: GC SN- C12255850662 / HS SN- C12595700014

Hooce



ID1		11!	A = 0.0	Height
Name	Conc.	Unit	Area	пеідіі
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc	- <u>-</u> 2',	
ETHANOL	0.1004	g/100cc	41158	17028
ISOPROPYL ALCOHOL		g/100cc	1	
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	189945	53573
DFE/TFE		g/100cc		
DME	, 1 !:	g/100cc	, . <del></del>	

ID2	Cama	Unit	Area	Height
Name	Conc.		Alca	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc	1-1	
ETHANOL	0.1003	g/100cc	41134	19992
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	191337	71388
DFE		g/100cc		
TFE		g/100cc		

Sample Name Vial # Data Filename

: 0.200

: 3

Method Filename **Batch Filename** 

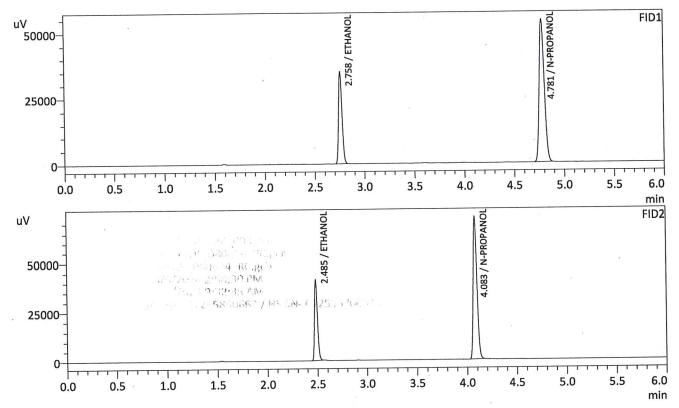
: 0.200\_862024\_003.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb : 8/6/2024 2:58:30 PM

Date Acquired Date Processed

: 8/7/2024 9:32:35 AM

Instrument

: GC SN- C12255850662 / HS SN- C12595700014



FID1				
Name	Conc.	Unit	Area	Height
METHANOL		g/100cc	1	
ACETALDEHYDE		g/100cc	i	
ETHANOL	0.1986	g/100cc	83701	34605
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc	1 L_	
N-PROPANOL	0.0000	g/100cc	192447	54354
DFE/TFE		g/100cc		
DME	/ / /	g/100cc	) ti === /	

Name	Conc.	Unit	Area	Height
		g/100cc		
ACETALDEHYDE		0,		1 1000
METHANOL		g/100cc		
ETHANOL	0.1982	g/100cc	84180	41175
ACETONE		g/100cc	1	
ISOPROPYL ALCOHOL		g/100cc	P	
N-PROPANOL	0.0000	g/100cc	193687	72229
DFE		g/100cc		
TFE		g/100cc		

: 0.300

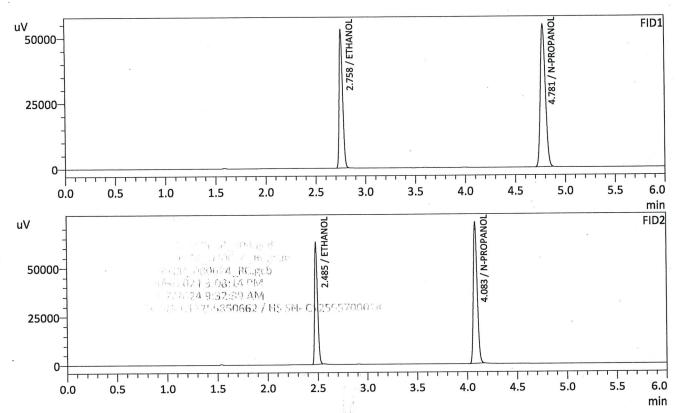
: 4

Data Filename Method Filename Batch Filename

: 0.300\_862024\_004.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb : 8/6/2024 3:08:14 PM : 8/7/2024 9:32:39 AM : GC SN- C12255850662 / HS SN- C12595700014

Date Acquired Date Processed

Instrument



FID1			11.0	19
Name	Conc.	Unit	Area	Height
METHANOL		g/100cc	1	
ACETALDEHYDE		g/100cc	i	
ETHANOL	0.2981	g/100cc	126376	52647
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	192628	54581
DFE/TFE		g/100cc		
DME	1 %	g/100cc	7-15 , , ,	

FID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc	, °C	
METHANOL		g/100cc	150	
ETHANOL	0.2979	g/100cc	127560	62487
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	193670	72120
DFE		g/100cc		
TFE		g/100cc		

: 0.500

: 5

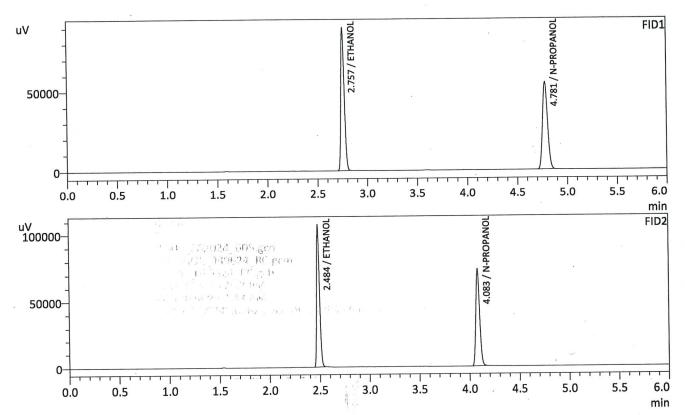
Data Filename Method Filename Batch Filename

: 0.500\_862024\_005.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb : 8/6/2024 3:17:47 PM

**Date Acquired Date Processed** 

Instrument

: 8/7/2024 9:32:43 AM 3 mod : GC SN- C12255850662 / HS SN- C12595700014



ID1		1114	Aron	Height
Name	Conc.	Unit	Area	пеідіі
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.5014	g/100cc	214141	89712
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc	1+-	
N-PROPANOL	0.0000	g/100cc	193317	54699
DFE/TFE		g/100cc		
DME		g/100cc	, 4;	

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc	· · ·	
ETHANOL	0.5016	g/100cc	216905	106589
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	194371	72810
DFE	·	g/100cc		
TFE		g/100cc		

Sample Name Vial # Data Filename

: INT STD BLK 1

: 6

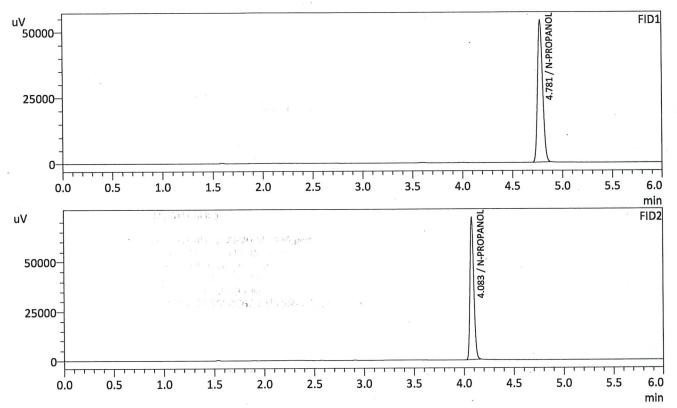
Method Filename **Batch Filename** 

: INT STD BLK 1\_862024\_006.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb

**Date Acquired Date Processed**  : 8/6/2024 3:27:06 PM : 8/7/2024 9:32:49 AM

Instrument

: GC SN- C12255850662 / HS SN- C12595700014



FID1 Name	Conc.	Unit	Area	Height
ivallie	COIIC.		Aica	TICIBITE
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL		g/100cc	'	
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	191023	53975
DFE/TFE		g/100cc		
DME		g/100cc		

ID2 Name	Conc.	Unit	Area	Height	
ACETALDEHYDE .	TALDEHYDE				
METHANOL	·	g/100cc			
ETHANOL		g/100cc			
ACETONE		g/100cc			
ISOPROPYL ALCOHOL		g/100cc			
N-PROPANOL	PANOL 0.0000 g/100	g/100cc	191546	71607	
DFE	E				
TFE		g/100cc			

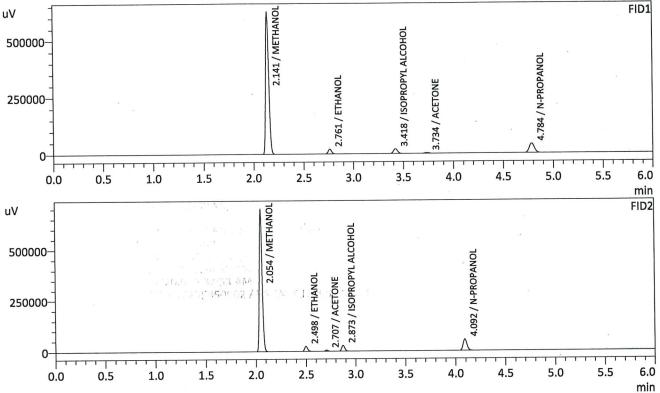
: MULTI-COMP MIX

Sample Name Vial # Data Filename

Method Filename Batch Filename **Date Acquired Date Processed** 

Instrument

: 8/6/2024 3:36:50 PM : 8/7/2024 9:32:53 AM : GC SN- C12255850662 / HS SN- C12595700014



FID1				
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	1358235	622653
ACETALDEHYDE		g/100cc		
ETHANOL	0.1567	g/100cc	48947	20275 20230 3219
ISOPROPYL ALCOHOL	0.0000	g/100cc	57497	
ACETONE	0.0000	g/100cc	9181	
N-PROPANOL			143224	40510
DFE/TFE				
DME				

Name	Conc.	Unit	Area	Height	
	COIIC.				
ACETALDEHYDE		g/100cc	1-		
METHANOL	0.0000	g/100cc	1395577	688502	
ETHANOL	0.1572	g/100cc	48584	23368	
ACETONE			9794	4706	
ISOPROPYL ALCOHOL	0.0000	g/100cc	58443	27161 53143	
N-PROPANOL	0.0000	g/100cc	141811		
DFE					
TFE		g/100cc	% <b></b> *		

Sample Name

: INT STD BLK 2

Vial #

Data Filename

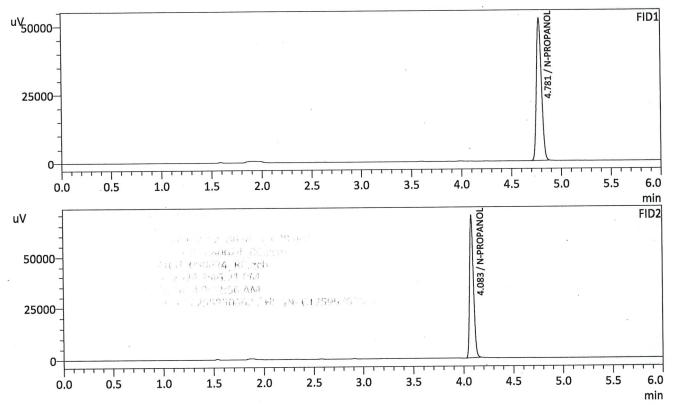
: 8 : INT STD BLK 2\_862024\_008.gcd : ALCOHOL\_080624\_RC.gcm

Method Filename Batch Filename Date Acquired Date Processed

: BATCH\_080624\_RC.gcb : 8/6/2024 3:46:21 PM

Instrument

: 8/7/2024 9:32:56 AM : GC SN- C12255850662 / HS SN- C12595700014



FID1 Name	Conc.	Unit	Area	Height
METHANOL	THANOL			
ACETALDEHYDE		g/100cc		
ETHANOL		g/100cc	·	
ISOPROPYL ALCOHOL	ROPYL ALCOHOL			
ACETONE		g/100cc		
N-PROPANOL	-PROPANOL 0.0000		184297	52096
DFE/TFE		g/100cc		
DME	13	g/100cc	·	

FID2 ·		11	A	11-1-64	
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	184038	68657	
DFE	OFE				
TFE		g/100cc			



### VOLATILES DETERMINATION CASEFILE WORKSHEET

### **VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No: QC1-1 Analysis Date(s):					8/6/2024 3:55:3	39 PM(-06:00)
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	·
Sample Results	0.0894	0.0888	0.0006	0.0891	0.0015	0.0883
(g/100cc)	0.0880	0.0872	0.0008	0.0876	0.0010	0.0000

**Analysis Method** 

Refer to Blood Alcohol Method #1

( DNI ) :

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method:

ALCOHOL\_080624\_RC.gcm

Reporting of Results	Uncertaint	y of Measurer	ments (UM%): 5.00%	
Overall Mean (g/100cc		Low	High	5 % of Mean
0.088	0.088 TO SOME 1 FAME			0.005
			application of the second second	
epy een CKAa 	Rep	ported Res	sults	

Calibration and control data are stored centrally.

. The about Michigan #1

0.083

N

: QC1-1

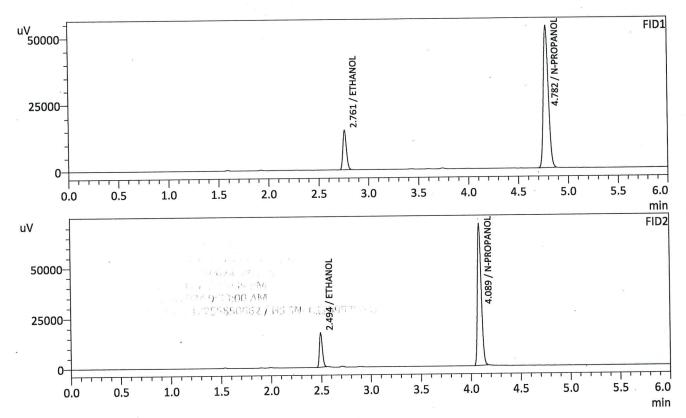
: 9

Data Filename Method Filename **Batch Filename** 

: QC1-1\_862024\_009.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb : 8/6/2024 3:55:39 PM

Date Acquired Date Processed Instrument

: 8/7/2024 9:33:00 AM : GC SN- C12255850662 / HS SN- C12595700014



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc	- <del>+,</del>	
ACETALDEHYDE		g/100cc		 14927
ETHANOL	0.0894	g/100cc	36307	
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc	V	53331
N-PROPANOL	0.0000	g/100cc	188843	
DFE/TFE				
DME		g/100cc		

ID2		I I to the	Aron	Height
Name	Conc.	Unit	Area	пеівіі
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0888	g/100cc	35598	17101
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		70319
N-PROPANOL	0.0000	g/100cc	188256	
DFE		g/100cc		
IFE		g/100cc	. <del></del>	

: QC1-1-B

: 10

Data Filename Method Filename Batch Filename

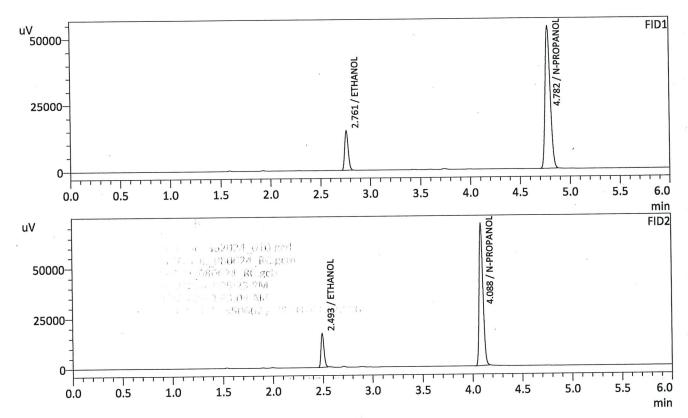
: QC1-1-B\_862024\_010.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb : 8/6/2024 4:05:23 PM

Date Acquired Date Processed

: 8/7/2024 9:33:04 AM

Instrument

: GC SN- C12255850662 / HS SN- C12595700014



ID1			1	
Name	Conc.	Unit	Aréa	Height
METHANOL	THANOL			'
ACETALDEHYDE		g/100cc		
ETHANOL 0.0880		g/100cc	35871	14773
ISOPROPYL ALCOHOL	OHOL			
ACETONE			' <del></del>	
N-PROPANOL			189778	53641
DFE/TFE				
DME	-16	g/100cc	, 5 310	

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0872	g/100cc	35115	16711
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc	·	
N-PROPANOL	0.0000	g/100cc	189222	70442
OFE		g/100cc		
TFE	,	g/100cc	ii	,

### VOLATILES DETERMINATION CASEFILE WORKSHEET

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### **VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No: 0.08 QA Analysis Date(s): 8/6/2024 4:14:54 PM(-06:00						54 PM(-06:00)
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	Over all Mount
Sample Results	0.0814	0.0809	0.0005	0.0811	0.0004	0.0813
(g/100cc)	0.0818	0.0812	0.0006	0.0815	0.0004	0.0010

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method:

ALCOHOL\_080624\_RC.gcm

Reporting of Results	eporting of Results			nents (UM%): 5.00%
Overall Mean (g/100cc	Overall Mean (g/100cc)		High	5 % of Mean
0.081	0.081,77, 757, 57, 577, 576.		0.086 0.005	
o w ar 2,08 GA	Reported Results			
Coluent 1		0.081		
				1

Calibration and control data are stored centrally.

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: 0.08 QA

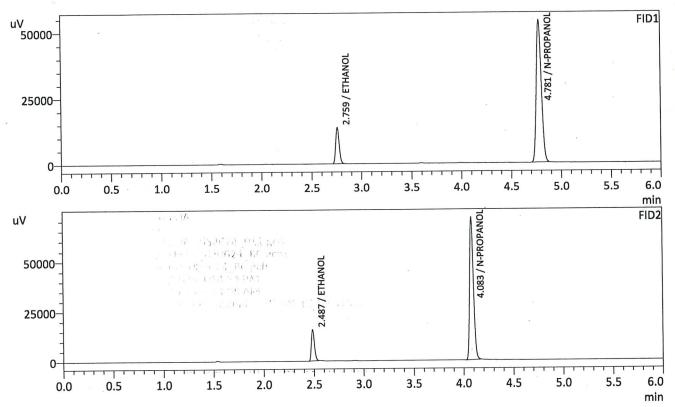
Sample Name Vial # Data Filename Method Filename

: 11 : 0.08 QA \_862024\_011.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb

**Batch Filename Date Acquired** Date Processed Instrument

: 8/6/2024 4:14:54 PM : 8/7/2024 9:33:08 AM

: GC SN- C12255850662 / HS SN- C12595700014



FID1			1		
Name	Conc.	Unit	Area	Height	
METHANOL		g/100cc		1	
ACETALDEHYDE		g/100cc			
ETHANOL	0.0814	g/100cc	33248	13674	
ISOPROPYL ALCOHOL		g/100cc	,		
ACETONE		g/100cc	1		
N-PROPANOL	0.0000	g/100cc	190751	53977	
DFE/TFE		g/100cc			
DME	, ' ,	g/100cc	,	'	

ID2				
Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL	METHANOL g/100cc			
ETHANOL 0.08		g/100cc	32603	15603
ACETONE		g/100cc	·	
ISOPROPYL ALCOHOL	g/			
N-PROPANOL	0.0000	g/100cc	190325	70719
DFE		g/100cc		,
TFE		g/100cc	ř	

Milit



: 0.08 QA - B

Sample Name Vial # Data Filename Method Filename Batch Filename

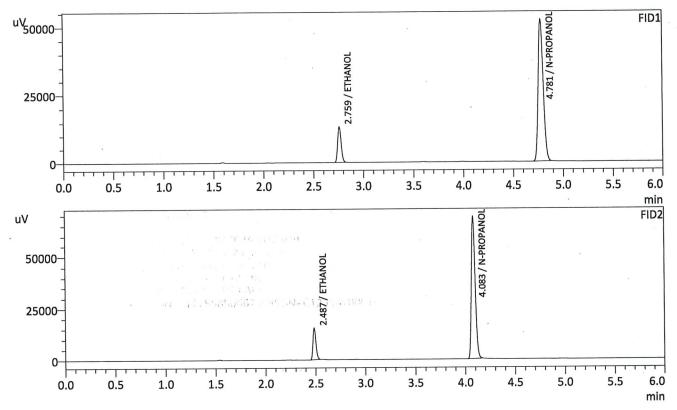
: 12 : 0.08 QA - B\_862024\_012.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb

Date Acquired Date Processed

: 8/6/2024 4:24:12 PM : 8/7/2024 9:33:13 AM

Instrument

: GC SN- C12255850662 / HS SN- C12595700014



FID1 Name	Conc.	Unit	· Area	Height
METHANOL	THANOL		-	
ACETALDEHYDE		g/100cc		
ETHANOL	0.0818	g/100cc	32319	13356   52267
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc	\	
N-PROPANOL	0.0000	g/100cc	184352	
OFE/TFE		g/100cc		
DME	-17	g/100cc		

FID2 Name	Conc.	Unit	Area	Height 
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc	,	
ETHANOL	0.0812	g/100cc	31617	15245
ACETONE		g/100cc	(4 )T. <b></b>	
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	183747	68597
DFE		g/100cc		
TFE		g/100cc		



### **VOLATILES DETERMINATION CASEFILE WORKSHEET**

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### **VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No:	QC2-1		Analysis Date(s): 8/6/2024 7:25:22 PM(-06:00)			
	Column 1	Column 2	Column	Mean	Sample A-B	Over all Mann
	FID A	FID B	Precision	Value	Difference	Over-all Mean
Sample Results	0.2077	0.2077	0.0000	0.2077	0.0005	0.2079
(g/100cc)	0.2083	0.2081	0.0002	0.2082	0.0005	0.2079
Analysis Method				, , , , , , , , , , , , , , , , , , , ,		

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method:

ALCOHOL\_080624\_RC.gcm

Reporting of Results	Reporting of Results			ments (UM%): 5.00%
Overall Mean (g/100co		Low	High	5 % of Mean
0.207	$\gamma \{ [1] : F^{n+1}H!$	0.196	0.218	. 0.011
	Reported Results			
The second section of the second section is a second section of the section o		orted Res	sults	,
* 0000 1000 K 03840 M oc 01 1845			sults	

Calibration and control data are stored centrally.

Title in Alcohol Method #1

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control data are stored controlly

Sample Name Vial # Data Filename

: QC2-1

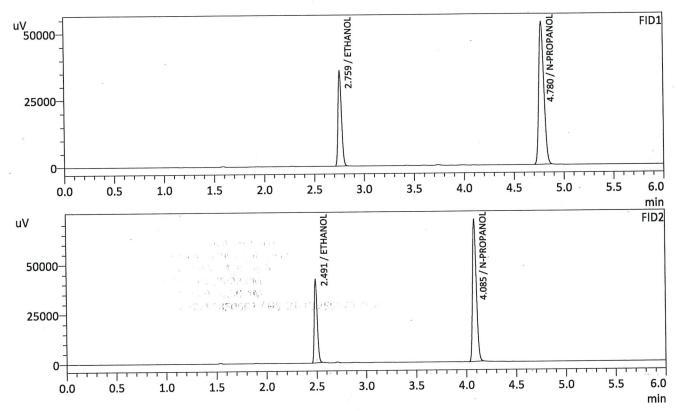
Method Filename **Batch Filename** 

: 31 : QC2-1\_862024\_031.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb

Date Acquired
Date Processed
Instrument

: 8/6/2024 7:25:22 PM : 8/7/2024 9:34:30 AM

: GC SN- C12255850662 / HS SN- C12595700014



FID1 Name	Conc.	Unit	Area	Height  35279
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2077	g/100cc	85914	
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc	<del>  -</del> -	
N-PROPANOL	0.0000	g/100cc	188812	53420
DFE/TFE		g/100cc	<b></b>	
DME		g/100cc		

FID2 Name	Conc.	Unit	Area	Height	
ACETALDEHYDE		g/100cc	1		
METHANOL		g/100cc	ίῦ <b></b>		
ETHANOL	0.2077	g/100cc	<b>86660</b>	41803	
ACETONE		g/100cc	1 2		
ISOPROPYL ALCOHOL		g/100cc			
N-PROPANOL	0.0000	g/100cc	190034	71271	
DFE		g/100cc			
TFE		g/100cc			

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Sample Name Vial # Data Filename

: QC2-1-B

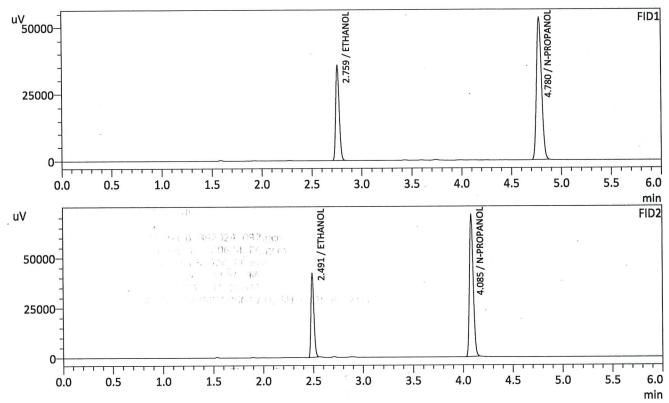
Method Filename **Batch Filename** 

: 32 : QC2-1-B\_862024\_032.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb

Date Acquired Date Processed

Instrument

: 8/6/2024 7:34:54 PM : 8/7/2024 9:34:35 AM : GC SN- C12255850662 / HS SN- C12595700014



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2083	g/100cc	85936	35267   53238
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	188274	
DFE/TFE		g/100cc		
DME	1 E	g/100cc	v 1, ,	

ID2Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		41808
ETHANOL	0.2081	g/100cc	86574	
ACETONE		g/100cc	1-1	
SOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	189468	70819
DFE		g/100cc		
TFE		g/100cc		

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VOLATILES DETERMINATION CASEFILE WORKSHEET

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g/100cc g/100cc

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### **VOLATILES DETERMINATION CASEFILE WORKSHEET**

QC1-2 g/30	urr in	Ana	alysis Date(s):	8/6/2024 10:54	:48 PM(-06:00)
Column 1)	Column 2	Column	Mean	Sample A-B	Over-all Mean
FID A	FID B	Precision	Value	Difference	Over all moun
0.0900	0.0893	0.0007	0.0896	0.0011	0.0901
0.0909	0.0905	0.0004	0.0907	0.0011	0.0301
	Column 1. FID A 0.0900	Column 1	Column 1         Column 2         Column 1           FID A         FID B         Precision           0.0900         0.0893         0.0007	Column 1         Column 2         Column Mean           FID A         FID B         Precision         Value           0.0900         0.0893         0.0007         0.0896	Column 1:         Column 2         Column Mean         Sample A-B           FID A         FID B         Precision         Value         Difference           0.0900         0.0893         0.0007         0.0896         0.0011

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method:

ALCOHOL\_080624\_RC.gcm

Reporting of Results	THES DETERM	Uncertaint	y of Measureme	ents (UM%): 5.00%
Overall Mean (g/100c	1-1-11-11-1-1-1	Low	High	5 % of Mean
<b>.0:090,</b> rtt £5	S DETERM	0.085	0.095	0.005
a'unatary No. OC1-2	Rep	orted Res	sults	
<ul> <li>(1) (1) (1) (1) (1) (1) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4</li></ul>	STATES OF THE PARTY OF THE PART	X45, 17 11		
Column 1	Column 2	Column	1,0	

Calibration and control data are stored centrally.

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: QC1-2

Sample Name Vial # Data Filename

Method Filename **Batch Filename** 

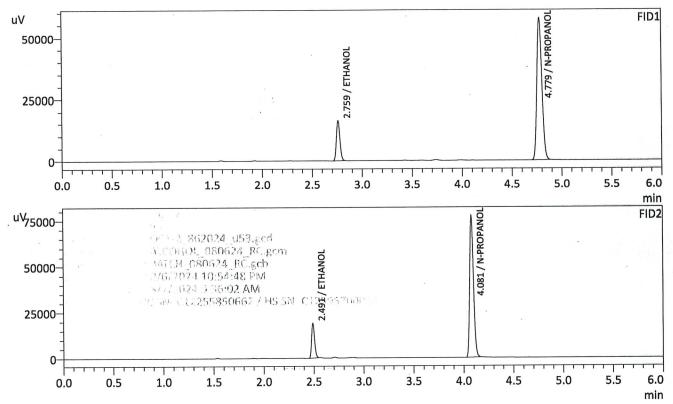
: 53 : QC1-2\_862024\_053.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb

Date Acquired **Date Processed** 

: 8/6/2024 10:54:48 PM : 8/7/2024 9:36:02 AM

Instrument

: GC SN- C12255850662 / HS SN- C12595700014



FID1			. 4	
Name	Conc.	Unit	Area	Height
METHANOL		g/100cc	-4,	
ACETALDEHYDE		g/100cc		
ETHANOL	0.0900	g/100cc	39376	16162
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	203445	57502
DFE/TFE		g/100cc	· · · · · · · · · · · · · · · · · · ·	
DME		g/100cc	) s 2 /	

FID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0893	g/100cc	39128	18862
ACETONE		g/100cc	,	
ISOPROPYL ALCOHOL		g/100cc	·	
N-PROPANOL	0.0000	g/100cc	205605	77312
DFE		g/100cc	,	
TFE		g/100cc		

1.5

: QC1-2-B

Data Filename Method Filename **Batch Filename** 

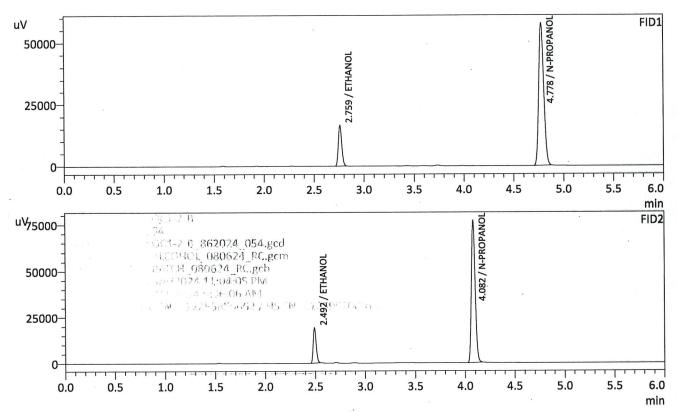
: 54 : QC1-2-B\_862024\_054.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb : 8/6/2024 11:04:05 PM

Date Acquired Date Processed

: 8/7/2024 9:36:06 AM

Instrument

: GC SN- C12255850662 / HS SN- C12595700014



FID1			Ö	
Name	Conc.	Unit	Area	Height
METHANOL		g/100cc	,	
ACETALDEHYDE		g/100cc		
ETHANOL	0.0909	g/100cc	39610	16290
ISOPROPYL ALCOHOL		g/100cc	ij <b></b>	
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	202511	57499
DFE/TFE		g/100cc	· · · · · · · · · · · · · · · · · · ·	
DME	10 -15	g/100cc	25 - 30	

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc	.,	
ETHANOL	0.0905	g/100cc	39457	18863
ACETONE		g/100cc	) 	
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	្តី204462	76799
DFE		g/100cc		
TFE		g/100cc		



Conc.

Unit /100cc

: INT STD BLK 3

: 55

Data Filename Method Filename Batch Filename

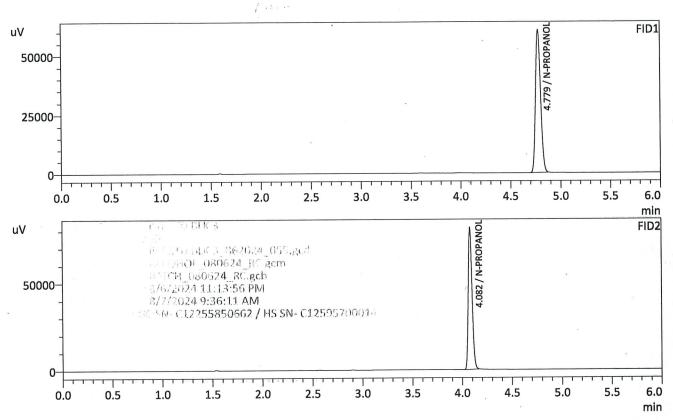
: INT STD BLK 3\_862024\_055.gcd : ALCOHOL\_080624\_RC.gcm : BATCH\_080624\_RC.gcb

Date Acquired Date Processed

: 8/6/2024 11:13:56 PM : 8/7/2024 9:36:11 AM

Instrument

: GC SN- C12255850662 / HS SN- C12595700014



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	213576	60471
DFE/TFE		g/100cc		
DME	-15	g/100cc	y (, ,	

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	215904	81399
DFE		g/100cc		
TFE		g/100cc		

1.5 2.0 2.5

1.1211



### Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662 Shimadzu HS-20 Serial Number: C12595700014 LabSolutions Version 6.117 Copyright (C) 2008-2022 Shimadzu Corporation. All rights reserved.

Vial#	Sample Name	Sample Type	Method File	Data File	Level
1	0.050	1:Standard:(R)	ALCOHOL_080624_RC.gcm		
2	0.100	1:Standard:(R)	ALCOHOL_080624_RC.gcm		
3	0.200	1:Standard:(R)	ALCOHOL_080624_RC.gcm		
. 4	0.300	1:Standard:(R)	ALCOHOL_080624_RC.gcm		
5	0.500	1:Standard:(R)	ALCOHOL_080624_RC.gcm		
6	INT STD BLK 1	0:Unknown	ALCOHOL 080624_RC.gcm		
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_080624_RC.gcm		
	INT STD BLK 2	0:Unknown	ALCOHOL_080624_RC.gcm		
9	QC1-1	0:Unknown	ALCOHOL_080624_RC.gcm		
	QC1-1-B	0:Unknown	ALCOHOL 080624_RC.gcm		
	0.08 QA	0:Unknown	ALCOHOL 080624 RC.gcm		
	0.08 QA - B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2245-1	0:Unknown	ALCOHOL 080624 RC.gcm		
	P2024-2245-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2259-1	0:Unknown	ALCOHOL_080624_RC.gcm		
		0:Unknown	ALCOHOL 080624_RC.gcm		
	P2024-2259-1-B		ALCOHOL_080624_RC.gcm		
	P2024-2269-1	0:Unknown			
	P2024-2269-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2288-1	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2288-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2290-1	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2290-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2301-1	0:Unknown	ALCOHOL_080624_RC.gcm		
24	P2024-2301-B	0:Unknown	ALCOHOL_080624_RC.gcm		
. 25	P2024-2311-1	0:Unknown	ALCOHOL_080624_RC.gcm		
26	P2024-2311-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
27	P2024-2317-1	0:Unknown	ALCOHOL_080624_RC.gcm		
28	P2024-2317-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
29	P2024-2319-1	0:Unknown	ALCOHOL_080624_RC.gcm		
30	P2024-2319-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
31	QC2-1	0:Unknown	ALCOHOL_080624_RC.gcm		
32	QC2-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
33	P2024-2326-1	0:Unknown	ALCOHOL 080624 RC.gcm		
34	P2024-2326-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2335-1	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2335-1-B	0:Unknown	ALCOHOL 080624 RC.gcm		
	P2024-2335-2	0:Unknown	ALCOHOL 080624 RC.gcm		
	P2024-2335-2-B	0:Unknown	ALCOHOL 080624 RC.gcm		
	P2024-2342-1-1	0:Unknown	ALCOHOL 080624_RC.gcm		
	P2024-2342-1-B	0:Unknown	ALCOHOL 080624 RC.gcm		
	P2024-2384-1	0:Unknown	ALCOHOL_080624_RC.gcm		
			ALCOHOL_080624_RC.gcm		
	P2024-2384-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2396-1	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2396-1-B	0:Unknown			
	P2024-2398-1	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2398-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2399-1	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2399-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2400-1	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2400-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2401-1	0:Unknown	ALCOHOL_080624_RC.gcm		
	P2024-2401-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		
	3 QC1-2	0:Unknown	ALCOHOL_080624_RC.gcm		
54	4 QC1-2-B	0:Unknown	ALCOHOL_080624_RC.gcm		
55	INT STD BLK 3	0:Unknown	ALCOHOL_080624_RC.gcm		

8-7-24 0000 R/100cc 8/100cc

Sample Name Vial #

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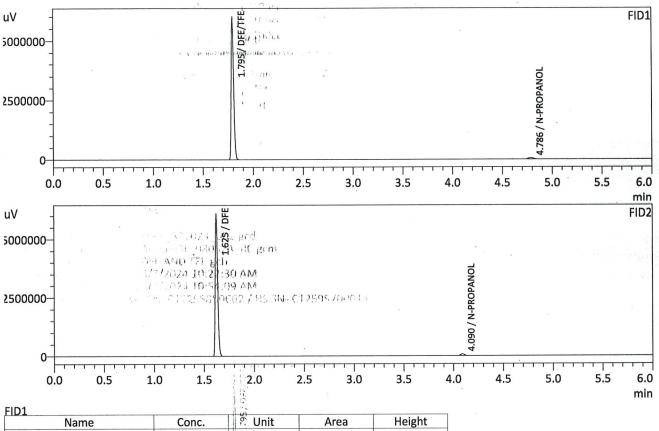
Data Filename Method Filename Batch Filename : DME\_872024\_002.gcd : ALCOHOL\_080624\_RC.gcm : DFE AND TFE.gcb : 8/7/2024 10:22:30 AM

Batch Filename : DFE AND TFE.gcb
Date Acquired : 8/7/2024 10:22:30 AM
Date Processed : 8/7/2024 10:54:09 AM

Instrument

: GC SN- C12255850662 / HS SN- C12595700014

67.100cc 9/100cc 6/100cc



FID1		100		
Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE	<u></u>	g/100cc		
ETHANOL		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	202421	57426
DFE/TFE	0.0000	g/100cc	10211927	5965003
DME		g/100cc	, e, n	

FID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE	10	g/100cc		
METHANOL	(	g/100cc		
ETHANOL	:	g/100cc		
ACETONE	;	g/100cc		
ISOPROPYL ALCOHOL	1	g/100cc		
N-PROPANOL	0.0000	g/100cc	203794	76261
DFE	0.0000	g/100cc	10267479	6001532
TFE		g/100cc		

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