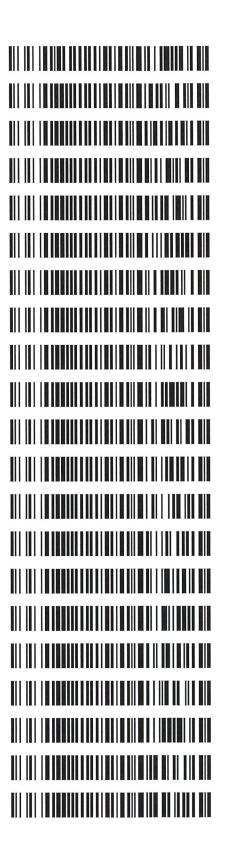
By Tamara Salazar at 2:02 pm, Jan 17, 2023

Worklist: 6213

LAB CASE	<u>ITEM</u>	ITEM TYPE	DESCRIPTION
M2023-0072	3	вск	Alcohol Analysis
P2022-3919	1	вск	Alcohol Analysis
P2022-3932	1	вск	Alcohol Analysis
P2023-0038	1	вск	Alcohol Analysis
P2023-0044	1	BCK	Alcohol Analysis
P2023-0046	1	вск	Alcohol Analysis
P2023-0055	1	BCK	Alcohol Analysis
P2023-0056	1	BCK	Alcohol Analysis
P2023-0063	1	ВСК	Alcohol Analysis
P2023-0072	1	вск	Alcohol Analysis
P2023-0076	1	вск	Alcohol Analysis
P2023-0077	1	BCK	Alcohol Analysis
P2023-0079	1	вск	Alcohol Analysis
P2023-0095	1	вск	Alcohol Analysis
P2023-0097	1	вск	Alcohol Analysis
P2023-0098	1	вск	Alcohol Analysis
P2023-0101	1	вск	Alcohol Analysis
P2023-0122	1	BCK	Alcohol Analysis
P2023-0123	1	BCK	Alcohol Analysis
P2023-0128	1	вск	Alcohol Analysis
P2023-0129	2	вск	Alcohol Analysis





Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls

1/14/23 Run Date(s):

			Calibr	Calibration Date: (if different)	ifferent)	
				Worklist #:		6213
Control level	Expiration	Lot#	Target Value	Acceptable Range	Range	Overall Results
	(0.0728 g/100cc
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	.0840	0.0800 g/100cc
						0.0805 g/100cc
						0.2164 g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	.2387	g/100cc
						g/100cc
Multi-Compo	Multi-Component mixture:	Exp: 2024 O	2024 October Lot #	# FN06041902 OK)2 OK	
	Curve Fit:		Column 1	86666.0	Column2	0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 1 Column 2 Precision	Precision	Mean
50	0.050	0.045 - 0.055	0.0505	0.0514	0.0009	0.0509
100	0.100	0.090 - 0.110	0.1002	0.1001	0.0001	0.1001
200	0.200	0.180 - 0.220	0.1991	0.1985	0.0006	0.1988
300	0.300	0.270 - 0.330	0.2994	0.2986	0.0008	0.299
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5012	0.0007 0.5008	0.5008

Aqueous Controls

Control level	Target Value	Acceptable Range	Overal	Overall Results
08	0.080	0.076 - 0.084	0.080	g/100cc



Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

|--|--|

Internal Standard Solution: Sample Name		Prep Date: Column 1 Value	1/14/2023 Ex Column 2 Value	Exp Date:	7/14/2023
0.080	173	173561	182045)45	
0.080	173	173663	182058)58	

Column 2 Value	182045	182058	184828	182866	197274	192226	200976	199931	174702	175708				
Column 1 Value	173561	173663	176214	174203	187563	182830	191012	189882	166918	167716				
Sample Name	0.080	0.080	QCI	QCI	QCI	QCI	QCI	QCI	QC2	QC2	QC2	QC2	QC2	QC2

	Average	(-)20%	(+)20%
Column 1	178356.2	142685.0	214027.4
Column 2	187261.4	149809.1	224713.7



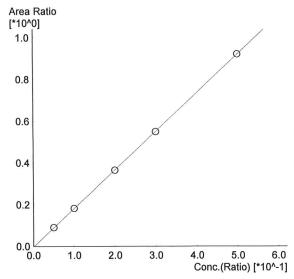
Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

______ **Calibration Table** -----Laboratory: Pocatello Instrument Name : GC2030-HS20 <<Data File>> Method File :C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm :C:\LabSolutions\Data\2023\1-14-23 RC\1-14-23 batch.gcb :1/14/2023 2:42:48 PM :1/14/2023 2:39:27 PM Batch File Date Acquired Date Created Date Modified :1/15/2023 9:20:44 AM Name : METHANOL Detector Name: FID1 Function : f(x)=0*x+0 Not Ready R² value= 0 FitType: Linear ZeroThrough: Not Through Conc. Std. Conc. Data File Name Area Name: ACETALDEHYDE Not Ready Detector Name: FID1 Function : f(x)=0*x+0 R² value= 0 FitType: Linear ZeroThrough: Not Through Conc. Area Std. Conc. Data File Name





Name : ETHANOL Detector Name: FID1 Function : f(x)=1.84545*x-0.00271557 R^2 value= 0.9999864

FitType: Linear ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15678	0.0505	0.050_1142023_001.gcd
2	0.100	31613	0.1002	0.100_1142023_002.gcd
3	0.200	64118	0.1991	0.200_1142023_003.gcd
4	0.300	96829	0.2994	0.300_1142023_004.gcd
5	0.500	162275	0.5005	0.500_1142023_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



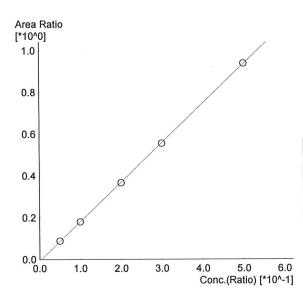
Not Ready	Name : DFE Detector Name: FID1 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through
	# Conc. Area Std. Conc. Data File Name
Not Ready	Name : TFE Detector Name: FID1
	Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear
	ZeroThrough: Not Through
	# Conc. Area Std. Conc. Data File Name
Not Ready	Name : ACETALDEHYDE 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
	" Cono. Thea Gid. Cono. Data i lie Maine



Not Ready

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

					\neg
#	Conc.	Area	Std. Conc.	Data File Name	



Name: ETHANOL
Detector Name: FID2
Function: f(x)=1.88849*x-0.00881937
R^2 value= 0.9999405
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15952	0.0514	0.050_1142023_001.gcd
2	0.100	32788	0.1001	0.100_1142023_002.gcd
3	0.200	67348	0.1985	0.200_1142023_003.gcd
4	0.300	102314	0.2986	0.300_1142023_004.gcd
5	0.500	172714	0.5012	0.500_1142023_005.gcd

Not Ready

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

#	Conc	Area	Std Conc	Data File Name



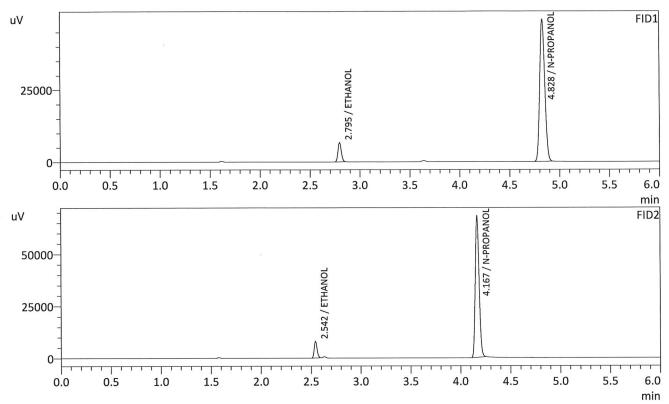
Not Ready	Name: ISOPROPYL ALCOHOL Detector Name: FID2 Function: f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through
	# Conc. Area Std. Conc. Data File Name
Not Ready	Name : DFE Detector Name: FID2 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through
	# Conc. Area Std.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



: 1

Sample Name Vial # Data Filename Method Filename Batch Filename

Date Acquired **Date Processed** : 1 : 0.050_1142023_001.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023 2:04:41 PM : 1/15/2023 9:20:38 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0505	g/100cc	15678	6650
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	172951	49196
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0514	g/100cc	15952	7924
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	180521	67705
DFE		g/100cc		
TFE		g/100cc		

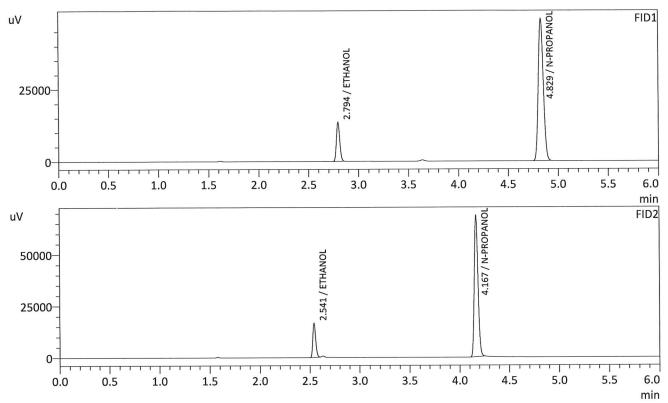


: 2

Sample Name Vial # Data Filename Method Filename Batch Filename

Date Acquired Date Processed

: 2 : 0.100_1142023_002.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023 2:14:11 PM : 1/15/2023 9:20:40 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.1002	g/100cc	31613	13518
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	173442	49288
DFE		g/100cc		
TFE		g/100cc		

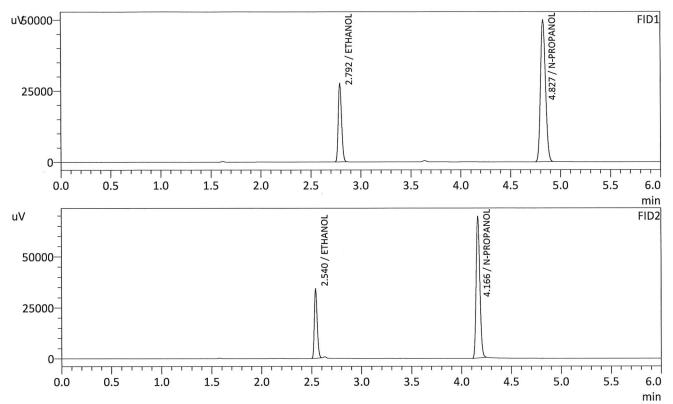
Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.1001	g/100cc	32788	16491
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	181910	68080
DFE		g/100cc		
TFE		g/100cc		



: 3

Sample Name Vial # Data Filename Method Filename

Vial # : 3
Data Filename : 0.200_1142023_003.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 1-14-23 batch.gcb
Date Acquired : 1/14/2023 2:23:32 PM
Date Processed : 1/15/2023 9:20:41 AM
C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.1991	g/100cc	64118	27446
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		,
N-PROPANOL	0.0000	g/100cc	175728	49843
DFE		g/100cc		
TFE		g/100cc		

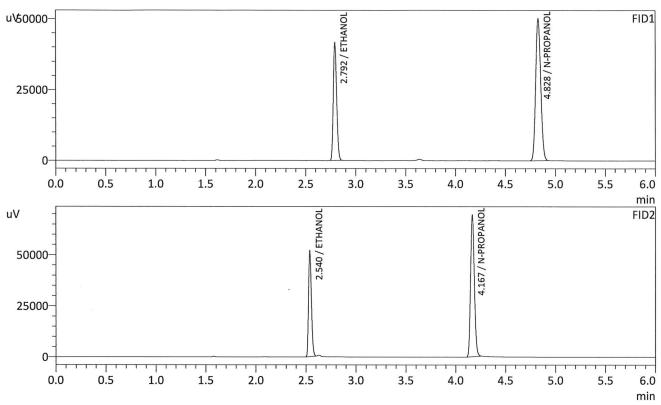
Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.1985	g/100cc	67348	33724
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	183900	69317
DFE		g/100cc		
TFE		g/100cc		



Sample Name Vial # Data Filename : 0.300 : 4

: 0.300_1142023_004.gcd

Method Filename Batch Filename : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023 2:33:20 PM Date Acquired Date Processed : 1/15/2023 9:20:42 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



FID1				
Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2994	g/100cc	96829	41378
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	176104	50109
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.2986	g/100cc	102314	51383
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	184322	69130
DFE		g/100cc		
TFE		g/100cc		



: 5

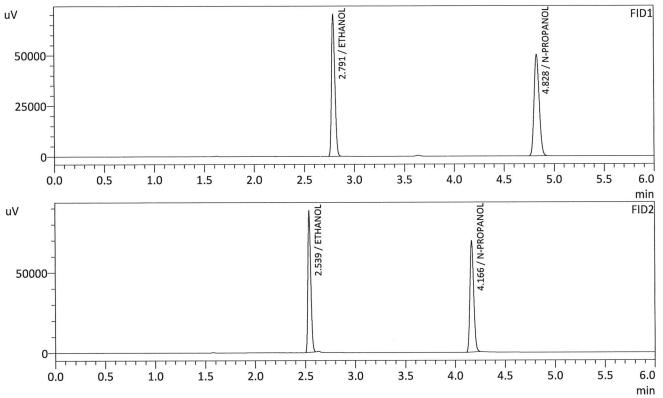
Sample Name Vial # Data Filename Method Filename

Batch Filename

Date Acquired

Date Processed

: 5 : 0.500_1142023_005.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023 2:42:48 PM : 1/15/2023 9:20:44 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.5005	g/100cc	162275	69266
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	176183	50098
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.5012	g/100cc	172714	86566
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	184177	69166
DFE		g/100cc		
TFE		g/100cc		



Sample Name Vial #

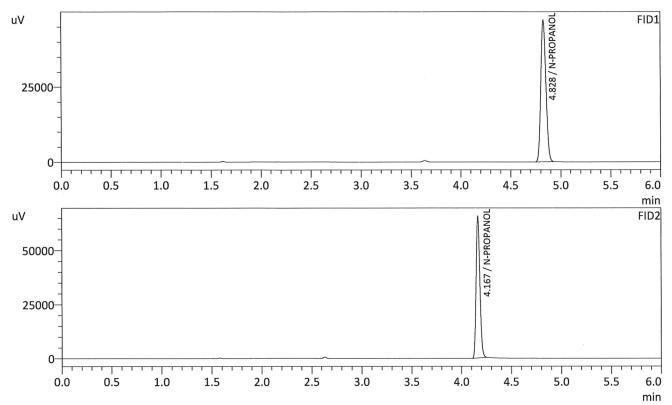
: INT STD BLK 1

Data Filename Method Filename

: INT STD BLK 1_1142023_006.gcd : ALCOHOL.gcm

Batch Filename Date Acquired Date Processed

: 1-14-23 batch.gcb : 1/14/2023 2:52:05 PM : 1/15/2023 9:20:46 AM



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	165537	47238
DFE		g/100cc		
TFE		g/100cc		

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	173538	65300
DFE		g/100cc		
TFE		g/100cc		



: MULTI-COMP MIX

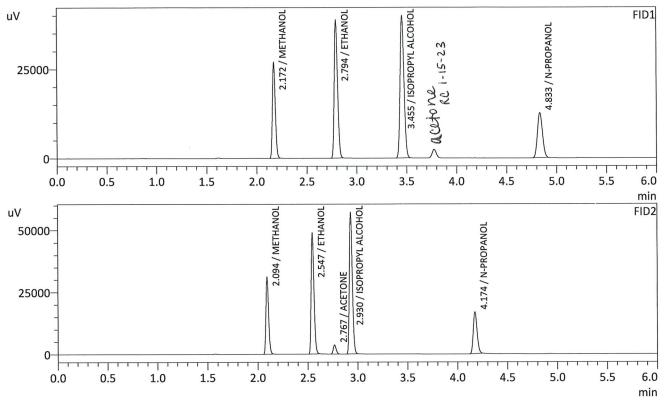
: 7

Sample Name Vial # Data Filename Method Filename

Batch Filename

Date Acquired Date Processed

: / : MULTI-COMP MIX_1142023_007.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023 3:01:50 PM : 1/15/2023 9:20:47 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	54577	26781
ACETALDEHYDE		g/100cc		
ETHANOL	1.1020	g/100cc	89295	38604
ISOPROPYL ALCOHOL	0.0000	g/100cc	110966	39766
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	43966	12611
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL	0.0000	g/100cc	57984	31026
ETHANOL	1.1415	g/100cc	95814	48486
ACETONE	0.0000	g/100cc	7303	3617
ISOPROPYL ALCOHOL	0.0000	g/100cc	118942	56474
N-PROPANOL	0.0000	g/100cc	44629	16760
DFE		g/100cc		
TFE		g/100cc		



: INT STD BLK 2

: 8

Sample Name Vial # Data Filename Method Filename

: INT STD BLK 2_1142023 008.gcd : ALCOHOL.gcm

Batch Filename

: 1-14-23 batch.gcb

Date Acquired

: 1/14/2023 3:11:21 PM Date Processed : 1/15/2023 9:20:48 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm

FID1 uV 25000 3.5 5.0 1.5 2.5 3.0 4.0 4.5 5.5 6.0 0.0 0.5 1.0 2.0 min FID2 4.165 / N-PROPANOL uV 50000-25000-2.5 3.0 4.5 5.0 5.5 6.0 0.0 0.5 1.0 1.5 2.0 3.5 4.0

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	171174	48798
DFE		g/100cc		
TFE		g/100cc		

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	179229	67563
DFE		g/100cc		
TFE		g/100cc		



min

VOLATILES BAC CASEFILE WORKSHEET

Laboratory N	o.: QC1-1		Item #		Analysis Date(s)	: 1/14/23
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0726	0.0729	0.0003	0.0727	0.0000	0.0700
(g/100cc)	0.0727	0.0731	0.0004	0.0729	0.0002	0.0728
Analysis Meth	nod					
Refer to Blood	Alcohol Metho	d #1				
Instrument In	nformation			Instrument i	nformation is stor	ed centrally.
Refer to Instrume	nt Method: Alcoh	ool.m/.gcm, Volat	iles.m/.gcm			
Reporting of	Results		Uncertain	ty of Measure	ment (UM%):	5.00%
Ove	rall Mean (g/10	0cc)	Low	High	5% of	Mean
	0.072		0.068	0.076	0.0	004
		R	eported Resi	ult		
			0.072		Notes:	

Page: 1 of 1

Calibration and control data are stored centrally.

Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

: QC1-1-A

Sample Name Vial # Data Filename Method Filename

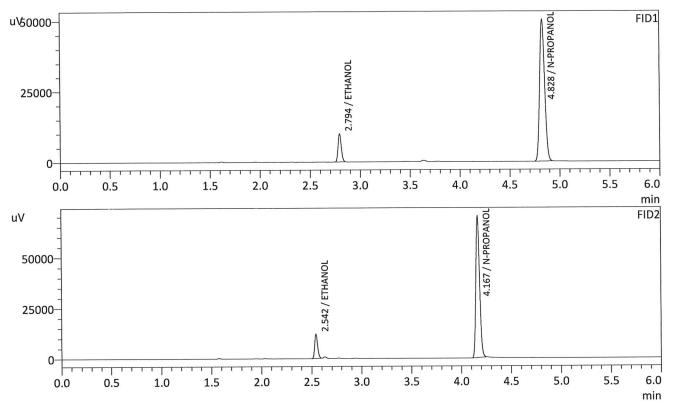
: 9 : QC1-1-A_1142023_009.gcd : ALCOHOL.gcm

: 1-14-23 batch.gcb

Batch Filename Date Acquired

: 1/14/2023 3:20:39 PM

Date Processed : 1/15/2023 9:20:49 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



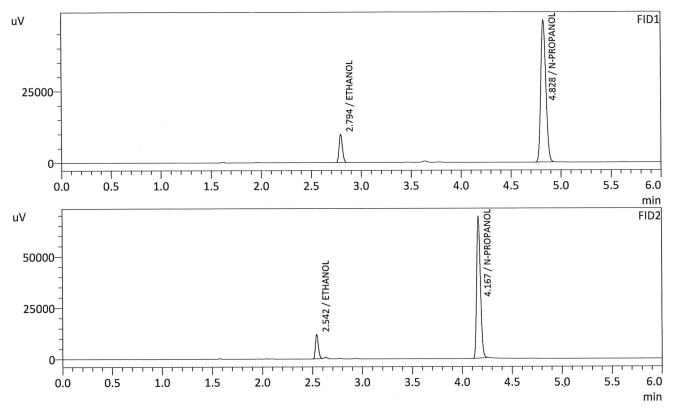
FID1Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0726	g/100cc	23144	9897
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	176214	50283
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0729	g/100cc	23830	11943
ACETONE		g/100cc	~-	
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	184828	69634
DFE		g/100cc		
TFE		g/100cc		



Sample Name Vial # Data Filename Method Filename : QC1-1-B

: QC1-1-B : 10 : QC1-1-B_1142023_010.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023_3:30:24 PM **Batch Filename** Date Acquired : 1/15/2023 9:20:51 AM **Date Processed** C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



FID1				
Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0727	g/100cc	22911	9801
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	174203	49552
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0731	g/100cc	23634	11837
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	182866	68701
DFE		g/100cc		
TFE		g/100cc		



VOLATILES BAC CASEFILE WORKSHEET

Laboratory N	o.: 0.080 QA		Item #		Analysis Date(s)	: 1/14/23
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0807	0.0807	0.0000	0.0807	0.0002	0.0909
(g/100cc)	0.0808	0.0811	0.0003	0.0809	0.0002	0.0808
Analysis Metl	nod					
Refer to Blood	Alcohol Metho	d #1				
Instrument Information Instrument information is stored centrally.						
Refer to Instrume	ent Method: Alcoh	nol.m/.gcm, Volat	iles.m/.gcm			
Reporting of	Results		Uncertaint	y of Measure	ment (UM%):	5.00%
Ove	erall Mean (g/10	0cc)	Low	High	5% of	Mean
	0.080			0.084 0.004		004
	Re			ult		
					Notes:	

Page: 1 of 1

Calibration and control data are stored centrally.

Revision: 2

Issue Date: 12/27/2022

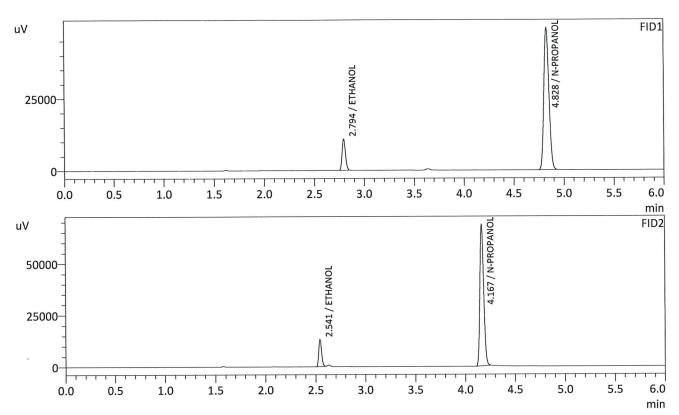
Issuing Authority: Quality Manager

: 0.08 QA - A

: 11

Sample Name Vial # Data Filename Method Filename

: 0.08 QA - A_1142023_011.gcd : ALCOHOL.gcm



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0807	g/100cc	25383	10844
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	173561	49337
DFE		g/100cc		
TFE		g/100cc		

-ID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0807	g/100cc	26158	13113
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	182045	68139
DFE		g/100cc		
TFE		g/100cc		

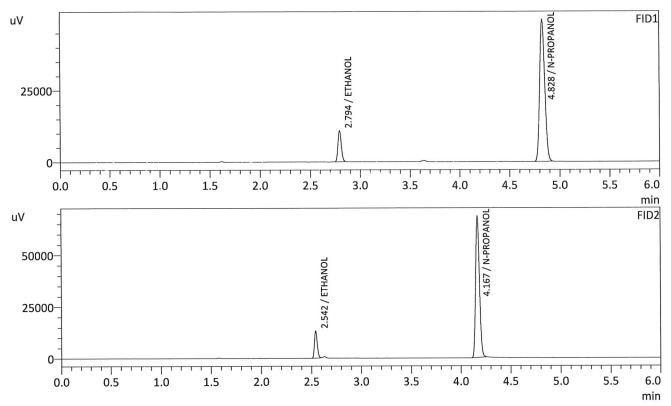


Sample Name Vial # Data Filename Method Filename : 0.08 QA - B

: 12

: 0.08 QA - B_1142023_012.gcd : ALCOHOL.gcm

: 1-14-23 batch.gcb : 1/14/2023 3:49:12 PM Batch Filename Date Acquired **Date Processed** : 1/15/2023 9:20:53 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0808	g/100cc	25439	10862
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	173663	49554
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0811	g/100cc	26307	13164
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	182058	67870
DFE		g/100cc		
TFE		g/100cc		



VOLATILES BAC CASEFILE WORKSHEET

Laboratory N	o.: QC2-1		Item # 1		Analysis Date(s)	: 1/14/23
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2159	0.2161	0.0002	0.2160	0.0009	0.2164
(g/100cc)	0.2169	0.2169	0.0000	0.2169	0.0009	0.2104
Analysis Metl	hod					
Refer to Blood	Alcohol Metho	d #1				
Instrument I1	ıformation			Instrument i	information is stor	red centrally.
Refer to Instrume	ent Method: Alcol	nol.m/.gcm, Volat	iles.m/.gcm			
Reporting of	Results		Uncertain	ty of Measure	ment (UM%):	5.00%
Ove	erall Mean (g/10	00cc)	Low	High	5% of	f Mean
0.216			0.205	0.227	0.011	
	Re			ult		
			0.216		Notes:	

Calibration and control data are stored centrally.

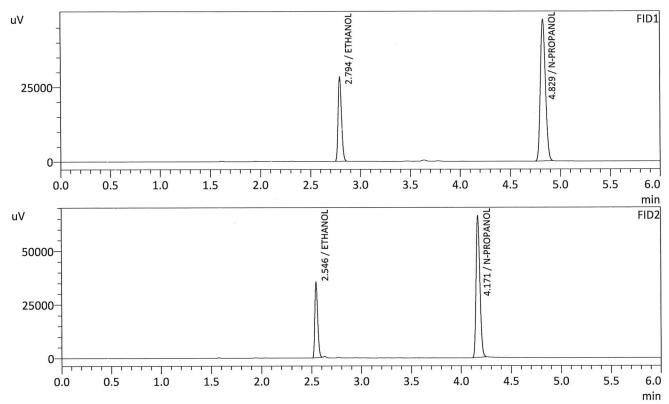
Revision: 2

Issue Date: 12/27/2022

Volatiles BAC Casefile Worksheet Page: 1 of 1 Issuing Authority: Quality Manager

Sample Name Vial # Data Filename Method Filename : QC2-1-A : 31

: QC2-1-A_1142023_031.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023 6:50:15 PM Batch Filename **Date Acquired Date Processed** : 1/15/2023 9:21:14 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2159	g/100cc	66053	28261
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	166918	47554
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.2161	g/100cc	69782	35197
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	174702	65970
DFE		g/100cc		
TFE		g/100cc		



Sample Name Vial #

: QC2-1-B

: 32

Data Filename Method Filename

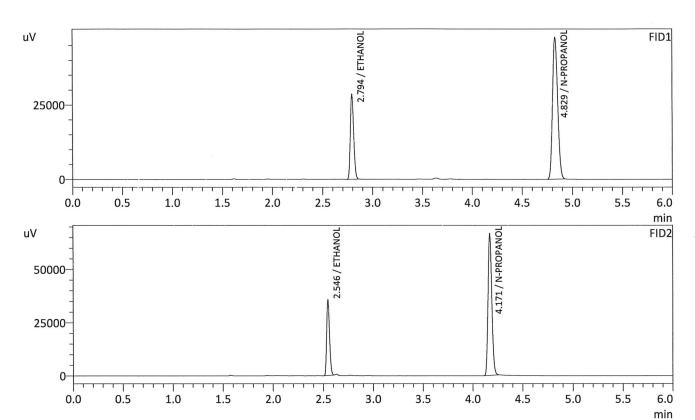
: QC2-1-B_1142023_032.gcd : ALCOHOL.gcm

Batch Filename **Date Acquired**

: 1-14-23 batch.gcb : 1/14/2023 6:59:48 PM

Date Processed

: 1/15/2023 9:21:15 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



FID1Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2169	g/100cc	66700	28521
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	167716	47532
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.2169	g/100cc	70437	35489
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	175708	66380
DFE		g/100cc		
TFE		g/100cc		



VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-2			Item # 1		Analysis Date(s)	: 1/14/23
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0799	0.0803	0.0004	0.0801	0.0002	0.0800
(g/100cc)	0.0798	0.0800	0.0002	0.0799	0.0002	0.0800
Analysis Metl	hod					
Refer to Blood	Alcohol Metho	d #1				
Instrument In	nformation			Instrument i	nformation is stor	ed centrally.
Refer to Instrume	ent Method: Alcoh	nol.m/.gcm, Volat	iles.m/.gcm			
			77	0.7.5	(TTP #0/)	7 000/
Reporting of	Results		Uncertaint	y of Measure	ment (UM%):	5.00%
Ove	erall Mean (g/10	00cc)	Low	High	5% of	f Mean
0.080		0.076	0.084	0.084 0.004		
		R	eported Resi	ult		
			0.080		Notes:	

Calibration and control data are stored centrally.

Revision: 2

Issue Date: 12/27/2022 Issuing Authority: Quality Manager

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Sample Name Vial # Data Filename

: QC1-2-A

: 53

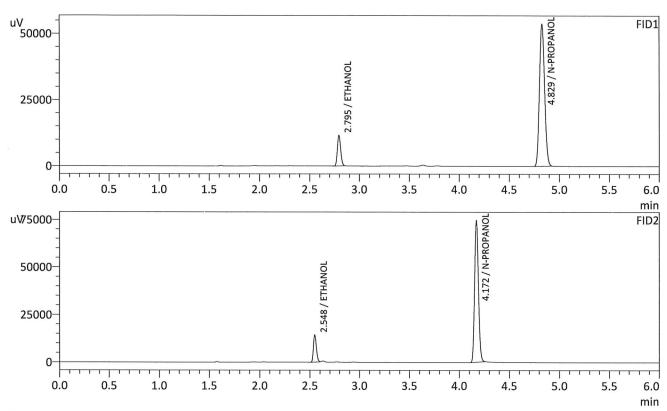
: QC1-2-A_1142023_053.gcd

Method Filename Batch Filename

: ALCOHOL.gcm

Date Acquired **Date Processed** : 1-14-23 batch.gcb : 1/14/2023 10:19:41 PM

: 1/15/2023 9:21:39 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



FID1				
Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0799	g/100cc	27166	11500
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	187563	53588
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0803	g/100cc	28187	14077
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	197274	74026
DFE		g/100cc		
TFE		g/100cc		



: QC1-2-B

Sample Name Vial # Data Filename

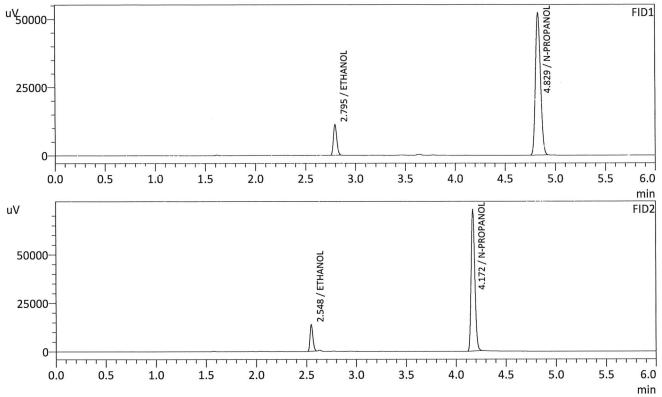
: 54 : QC1-2-B_1142023_054.gcd : ALCOHOL.gcm

Method Filename Batch Filename

Date Acquired

: 1-14-23 batch.gcb : 1/14/2023 10:28:59 PM

Date Processed : 1/15/2023 9:21:40 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0798	g/100cc	26443	11198
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	182830	52194
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0800	g/100cc	27353	13654
ACETONE		g/100cc		~-
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	192226	72572
DFE		g/100cc		
TFE		g/100cc		



VOLATILES BAC CASEFILE WORKSHEET

Laboratory N	o.: QC1-3		Item #		Analysis Date(s)	: 1/14/23
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0803	0.0806	0.0003	0.0804	0.0002	0.0005
(g/100cc)	0.0805	0.0807	0.0002	0.0806	0.0002	0.0805
Analysis Meth	hod					
Refer to Blood	Alcohol Metho	d #1				
Instrument In	nformation			Instrument i	information is stor	ed centrally.
Refer to Instrume	ent Method: Alcoh	nol.m/.gcm, Volat	iles.m/.gcm			
Reporting of	Results		Uncertain	ty of Measure	ment (UM%):	5.00%
Ove	erall Mean (g/10	10cc)	Low	High	5% of	f Mean
	0.080		0.076	0.084	0.0	004
		R	Reported Resu	alt		
	1		0.080		Notes:	

Page: 1 of 1

Calibration and control data are stored centrally.

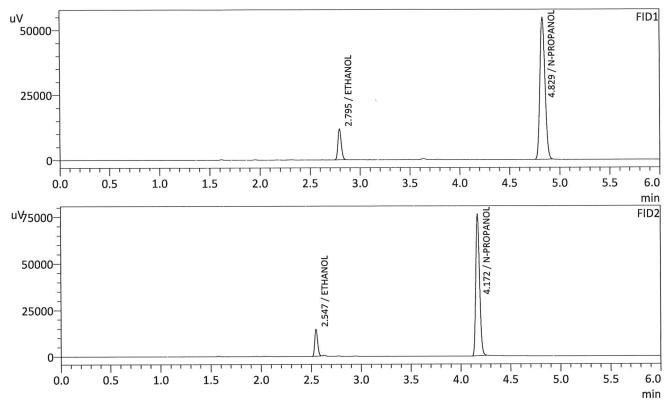
Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

: QC1-3-A : 59

Sample Name Vial # Data Filename Method Filename Batch Filename : QC1-3-A_1142023_059.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023_11:16:48 PM Date Acquired Date Processed : 1/15/2023 9:21:46 AM C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0803	g/100cc	27797	11777
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	191012	54460
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0806	g/100cc	28822	14382
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	200976	75678
DFE		g/100cc		
TFE		g/100cc		



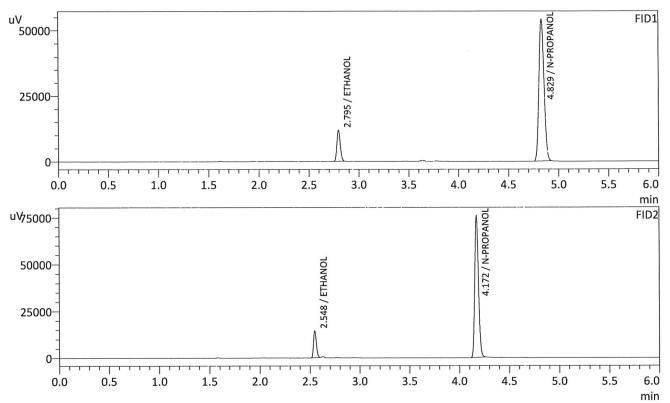
: QC1-3-B

: 60

Sample Name Vial # Data Filename Method Filename Batch Filename

Date Acquired Date Processed

: 60 : QC1-3-B_1142023_060.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023 11:26:05 PM : 1/15/2023 9:21:47 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0805	g/100cc	27701	11740
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	189882	54030
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0807	g/100cc	28744	14285
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	199931	75326
DFE		g/100cc		
TFE		g/100cc		



Sample Name Vial #

: INT STD BLK 3

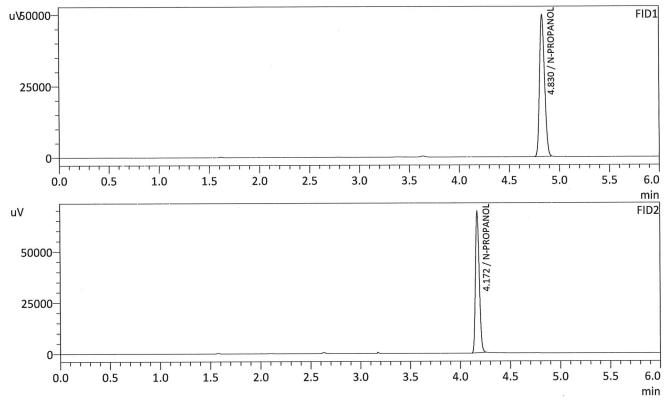
: 61

: INT STD BLK 3_1142023_061.gcd : ALCOHOL.gcm

Data Filename Method Filename Batch Filename

Date Acquired Date Processed

: 1-14-23 batch.gcb : 1/14/2023 11:35:54 PM : 1/15/2023 9:21:48 AM



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	174041	49620
DFE		g/100cc		
TFE		g/100cc		

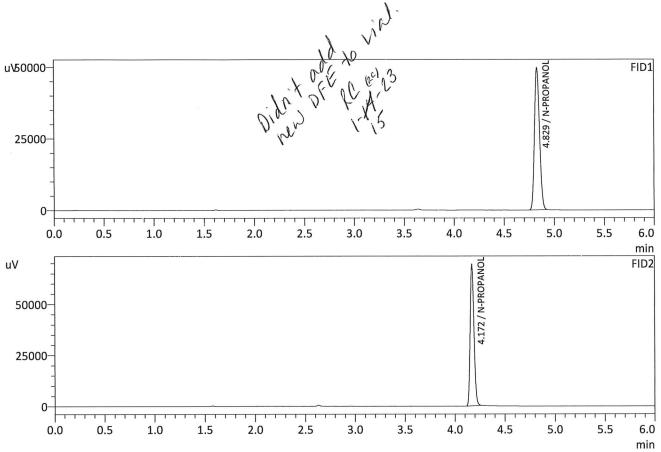
Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL		g/100cc		
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	182918	68655
DFE		g/100cc	~=	
TFE		g/100cc		



Sample Name : DFE Vial # : 62

Data Filename Method Filename

: DFE_1142023_062.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023 11:45:20 PM : 1/15/2023 9:21:49 AM Batch Filename Date Acquired Date Processed C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



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	173486	49603
DFE		g/100cc		
TFE		g/100cc		

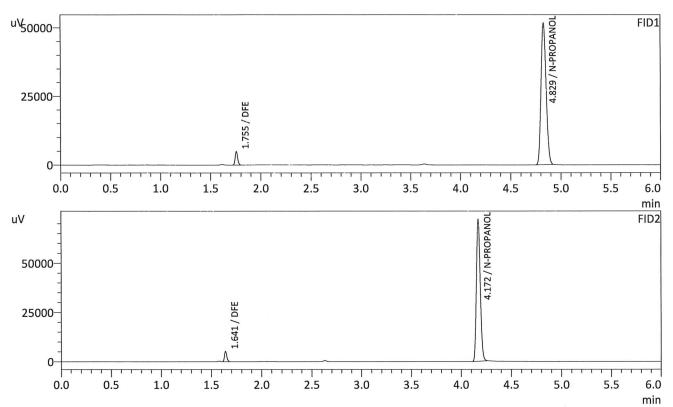
Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL		g/100cc		
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	182684	68718
DFE		g/100cc		
TFE		g/100cc		



Sample Name Vial # Data Filename Method Filename : TFE : 63

: TFE_1142023_063.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/14/2023 11:54:37 PM : 1/15/2023 9:21:51 AM Batch Filename

Date Acquired Date Processed C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm



FID1 Name	Conc.	Unit	Area	Height
	Conc.	7.555	Aica	Ticigit
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	181234	51650
DFE	0.0000	g/100cc	8203	4832
TFE		g/100cc		

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	190810	71639	
DFE	0.0000	g/100cc	8279	5250	
TFE		g/100cc			

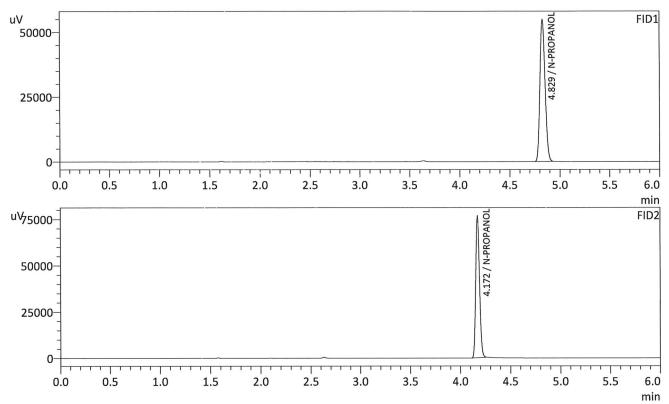


: INT STD BLK 4

: 64

Sample Name Vial # Data Filename Method Filename Batch Filename

Date Acquired Date Processed : INT STD BLK 4_1142023_064.gcd : ALCOHOL.gcm : 1-14-23 batch.gcb : 1/15/2023 12:04:27 AM : 1/15/2023 9:21:52 AM



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	191581	54661
DFE		g/100cc		
TFE		g/100cc		

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	202126	75895
DFE		g/100cc		
TFE		g/100cc		



Sample Name

: DFE

Vial #

: 80

Data Filename

: DFE_1142023_063.gcd : ALCOHOL.gcm

Method Filename Batch Filename

Date Acquired

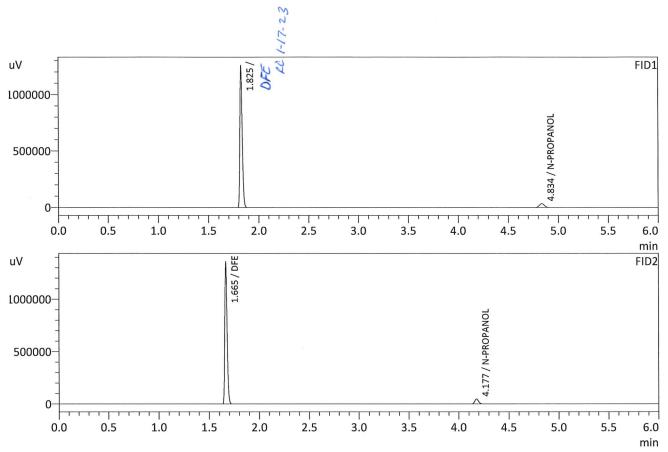
: 1-17-23 dfe only.gcb : 1/17/2023 11:54:01 AM

Date Processed

: 1/17/2023 12:00:03 PM

C:\LabSolutions\Data\2023\1-14-23 RC\ALCOHOL.gcm

Ran 1/17/23



ID1				
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	119943	34005
DFE		g/100cc		
TFE		g/100cc		

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	125476	47061
DFE	0.0000	g/100cc	2151543	1337269
TFE		g/100cc		



Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662 Shimadzu HS-20 Serial Number: C12595700014 LabSolutions Version 5.98 Copyright (C) 2008-2019 Shimadzu Corporation. All rights reserved.

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX 1292021 001.gcd	
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm		0
9	QC1-1-A	0:Unknown	ALCOHOL.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL.gcm		0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm		0
13	P2022-3919-1-A	0:Unknown	ALCOHOL.gcm		0
14	P2022-3919-1-B	0:Unknown	ALCOHOL.gcm		0
15	P2022-3932-1-A	0:Unknown	ALCOHOL.gcm		0
16	P2022-3932-1-B	0:Unknown	ALCOHOL.gcm		0
17	P2023-0038-1-A	0:Unknown	ALCOHOL.gcm		0
18	P2023-0038-1-B	0:Unknown	ALCOHOL.gcm		0
19	P2023-0044-1-A	0:Unknown	ALCOHOL.gcm		0
20	P2023-0044-1-B	0:Unknown	ALCOHOL.gcm		0
21	P2023-0046-1-A	0:Unknown	ALCOHOL.gcm		0
22	P2023-0046-1-B	0:Unknown	ALCOHOL.gcm		0
23	P2023-0055-1-A	0:Unknown	ALCOHOL.gcm		0
24	P2023-0055-1-B	0:Unknown	ALCOHOL.gcm		0
25	P2023-0056-1-A	0:Unknown	ALCOHOL.gcm		0
26	P2023-00561B	0:Unknown	ALCOHOL.gcm		0
27	P2023-0063-1-A	0:Unknown	ALCOHOL.gcm		0
28	P2023-0063-1-B	0:Unknown	ALCOHOL.gcm		0
29	P2023-0072-1-A	0:Unknown	ALCOHOL.gcm		0
30	P2023-0072-1-B	0:Unknown	ALCOHOL.gcm		0
31	QC2-1-A	0:Unknown	ALCOHOL.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL.gcm		0
33	M2023-0072-3-A	0:Unknown	ALCOHOL.gcm		0
34	M2023-0072-3-B	0:Unknown	ALCOHOL.gcm		0
35	P2023-0076-1-A	0:Unknown	ALCOHOL.gcm		0
36	P2023-0076-1-B	0:Unknown	ALCOHOL.gcm		0
37	P2023-0077-1-A	0:Unknown	ALCOHOL.gcm		0
38	P2023-0077-1-B	0:Unknown	ALCOHOL.gcm		0
39	P2023-0079-1-A	0:Unknown	ALCOHOL.gcm		0
40	P2023-0079-1-B	0:Unknown	ALCOHOL.gcm		0
41	P2023-0095-1-A	0:Unknown	ALCOHOL.gcm		0
42	P2023-0095-1-B	0:Unknown	ALCOHOL.gcm		0
43	P2023-0097-1-A	0:Unknown	ALCOHOL.gcm		0
44	P2023-0097-1-B	0:Unknown	ALCOHOL.gcm		0
45	P2023-0098-1-A	0:Unknown	ALCOHOL.gcm		0
46	P2023-0098-1-B	0:Unknown	ALCOHOL.gcm		0
47	P2023-0101-1-A	0:Unknown	ALCOHOL.gcm		0
48	P2023-0101-1-B	0:Unknown	ALCOHOL.gcm		0
49	P2023-0122-1-A	0:Unknown	ALCOHOL.gcm		0
50	P2023-0122-1-B	0:Unknown	ALCOHOL.gcm		0
51	P2023-0123-1-A	0:Unknown	ALCOHOL.gcm		0
52	P2023-0123-1-B	0:Unknown	ALCOHOL.gcm		0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm		0
55	P2023-0128-1-A	0:Unknown	ALCOHOL.gcm		0
56	P2023-0128-1-B	0:Unknown	ALCOHOL.gcm		0
57	P2023-0129-2-A	0:Unknown	ALCOHOL.gcm		0
58	P2023-0129-2-B	0:Unknown	ALCOHOL.gcm		0
59	QC1-3-A	0:Unknown	ALCOHOL.gcm		0
60	QC1-3-B	0:Unknown	ALCOHOL.gcm		0
61	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0
62	DFE	0:Unknown	ALCOHOL.gcm		0
63	TFE	0:Unknown	ALCOHOL.gcm		0
64	INT STD BLK 4	0:Unknown	ALCOHOL.gcm		0