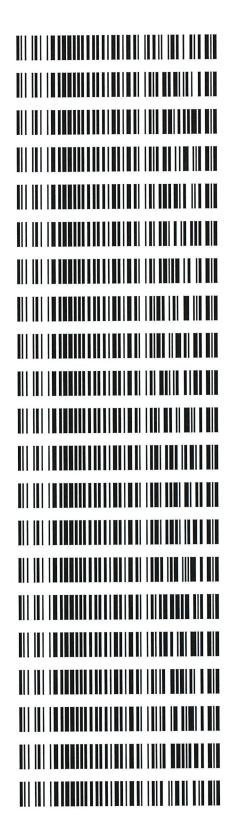
Worklist: 5118

MADIKIIST. 21	10		
LAB CASE	<u>ITEM</u>	ITEM TYPE	DESCRIPTION
P2021-1726	1	UCK	Alcohol Analysis
P2021-2048	1	вск	Alcohol Analysis
P2021-2049	1	вск	Alcohol Analysis
P2021-2050	1	вск	Alcohol Analysis
P2021-2067	1	вск	Alcohol Analysis
P2021-2072	1	вск	Alcohol Analysis
P2021-2074	1	вск	Alcohol Analysis
P2021-2096	1	вск	Alcohol Analysis
P2021-2099	1	вск	Alcohol Analysis
P2021-2114	1	вск	Alcohol Analysis
P2021-2129	1	вск	Alcohol Analysis
P2021-2182	3	вск	Alcohol Analysis
P2021-2187	1	BCK	Alcohol Analysis
P2021-2190	1	вск	Alcohol Analysis
P2021-2202	1	BCK	Alcohol Analysis
P2021-2205	1	вск	Alcohol Analysis
P2021-2206	1	вск	Alcohol Analysis
P2021-2207	1	вск	Alcohol Analysis
P2021-2209	1	вск	Alcohol Analysis
P2021-2210	1	вск	Alcohol Analysis
P2021-2282	1	вск	Alcohol Analysis

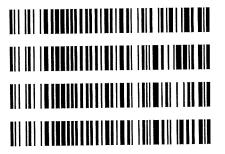
Bracketed samples ran at an earlier date. 7/27/21





Worklist: 5118

LAB CASE	<u>ITEM</u>	ITEM TYPE	DESCRIPTION
P2021-2283	1	вск	Alcohol Analysis
P2021-2358	1	вск	Alcohol Analysis
P2021-2366	2	вск	Alcohol Analysis
P2021-2368	1	BCK	Alcohol Analysis



REVIEWED

By RCutler at 10:29 am, Jul 28, 2021

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Analytical Method(s): 1.0

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

Run Date(s): 07/26/2021 Volatiles Quality Assurance Controls

					L
	Dynimotion	T,ot#	Target Value	Acceptable Range	Overall Results
Control level	EApii ation		D		0.0749 g/100cc
,	1.100	1907006	0.0764	0.0688-0.0840	0.0781 g/100cc
Level 1	cz-mr	000)) •)		g/100cc
					0.2121 g/100cc
,		7007001	0.2170	0.1953-0.2387	g/100cc
Level 2	Jul-23	100/061	1		g/100cc
			I of #	FN06041902	ok
Multi-Compo	Multi-Component mixture:		1307		
I	Current Dit.		Column 1 0	0.99990 Column2	0.99980
	Curve Fil.				

Calibrator level Target Value Acceptable Range Column 1 Column 2 Precision Mean Calibrator level Target Value Acceptable Range Column 1 Column 2 Precision Mean 50 0.050 0.050 0.045 - 0.055 0.0517 0.0525 0.001 0.1003 100 0.100 0.100 0.180 - 0.110 0.1003 0.1003 0.1003 200 0.200 0.300 0.270 - 0.330 0.2980 0.2972 0.0008 0.2976 300 0.400 0.400 0.360 - 0.440 0.5005 0.5006 0.5019 500 0.500 0.500 0.450 - 0.550 0.5015 0.5019	7 [TAT	alibration Reference Material					
Target Value Acceptable Range Column 1 Column 2 LOCATION 0.050 0.050 0.045 - 0.055 0.0517 0.0525 0.001 0.100 0.100 0.090 - 0.110 0.1003 0.1003 0.0000 0.200 0.180 - 0.220 0.1982 0.1975 0.0007 0.300 0.270 - 0.330 0.2980 0.2972 0.0008 0.400 0.360 - 0.440 0.5022 0.0006 0.500 0.500 0.450 - 0.550 0.5016 0.5022 0.0006	Ethanol C	alibi ation incidi chee itamee	3		C	Dravision	Mean
0.050 0.045 - 0.055 0.0517 0.0525 0.100 0.090 - 0.110 0.1003 0.1003 0.200 0.180 - 0.220 0.1982 0.1975 0.300 0.270 - 0.330 0.2980 0.2972 0.400 0.360 - 0.440 0.500 0.450 - 0.550 0.5016 0.5022	[0.00]	Target Value	Acceptable Range	Column 1	Column 2	LICCISION	ITTOTIL
0.050 0.045 - 0.055 0.0277 0.025 0.100 0.090 - 0.110 0.1003 0.1003 0.200 0.180 - 0.220 0.1982 0.1975 0.300 0.270 - 0.330 0.2980 0.2972 0.400 0.360 - 0.440 0.5016 0.5022	Calibrator level	1415ct taxe	0047 0055	0.0517	70500	0.001	0.0521
0.100 0.090 - 0.110 0.1003 0.1003 0.1003 0.1003 0.1003 0.1003 0.1003 0.1003 0.1075 0.1975 0 0.300 0.300 0.270 - 0.330 0.2980 0.2972 0 0.400 0.360 - 0.440 0.5016 0.5022 0 0.500 0.500 0.450 - 0.550 0.5016 0.5022		0.050	0.045 - 0.055	0.0017	0.000	7000	
0.100 0.090 - 0.110 0.1003 0.1003 0.200 0.180 - 0.220 0.1982 0.1975 0.300 0.270 - 0.330 0.2972 0 0.400 0.360 - 0.440 0.5016 0.5022	20		0000	0 1003	0 1003	00000	0 1003
0.200 0.180 - 0.220 0.1982 0.1975 0 0.300 0.270 - 0.330 0.2980 0.2972 0 0.400 0.360 - 0.440 0.5016 0.5022 0 0.500 0.450 - 0.550 0.5016 0.5022 0	001	0.100	0.090 - 0.110	0.1002	0.1002	0,000	2001.0
0.200 0.180 - 0.220 0.1982 0.1973 0.300 0.270 - 0.330 0.2980 0.2972 0.400 0.360 - 0.440 0.5016 0.5022 0.500 0.450 - 0.550 0.5016 0.5022	100	0.100		0 1 000	0 1075	7000	0 1978
0.200 0.270 - 0.330 0.2980 0.2972 0.300 0.360 - 0.440 0.500 0.450 0.450 - 0.550 0.5016 0.5022		0000	0.180 - 0.220	0.1982	0.1717	0.000.0	0.171.0
0.300 0.270 - 0.330 0.2972 0.400 0.360 - 0.440 0.500 0.450 - 0.550	700	0.700		0000	00000	00000	7000
0.500 0.360 - 0.440 0.400 0.360 - 0.440 0.500 0.450 - 0.550 0.5016 0.5022		0300	0.270 - 0.330	0.7980	7/67.0	0.0000	0.4210
0.400 0.360 - 0.440 0.500 0.450 - 0.550 0.5016 0.5022	300	0.200				0	#NT//01
0.500 0.450 - 0.550 0.5016 0.5022		0.400	0.360 - 0.440			0	#D1 v / 0:
0.500 0.500 0.450 - 0.550 0.5010 0.5022	400	001:0		0.5016	0 5000	90000	0 5019
	003	0.500	0.450 - 0.550	0.2010	0.3022	0,000	77000
	200						

	Overall Results		0.081 g/100cc	
	Acceptable Range		0.076 - 0.084	
Aqueous Controls	Target Value	0	0.080	
	Control level	COURT OF TOTAL	08	

Issue Date: 12/23/2019

Revision: 2

Issuing Authority: Quality Manager

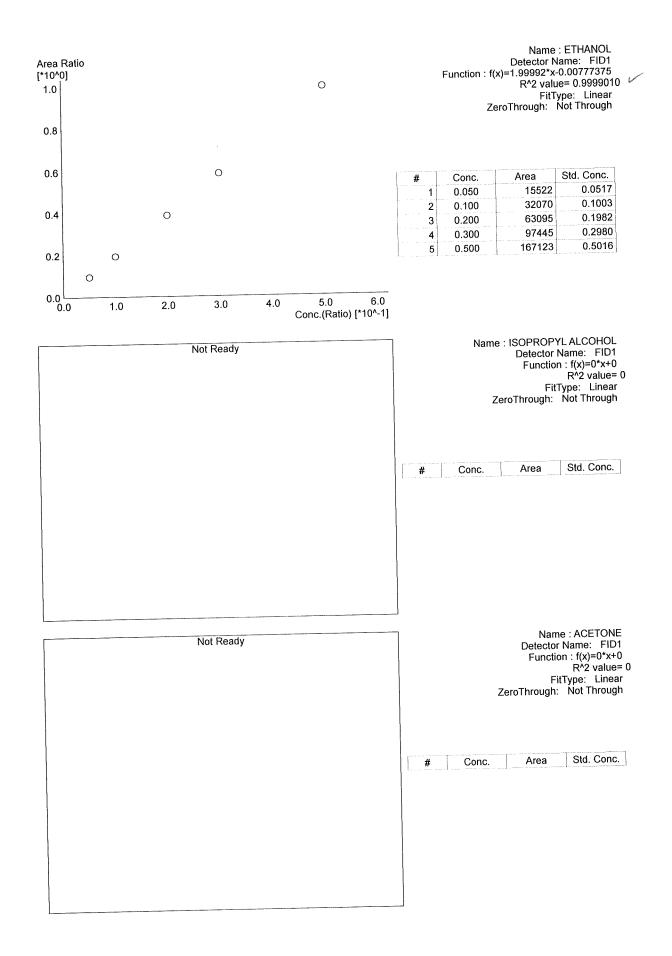
BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Page: 1 of 1

15

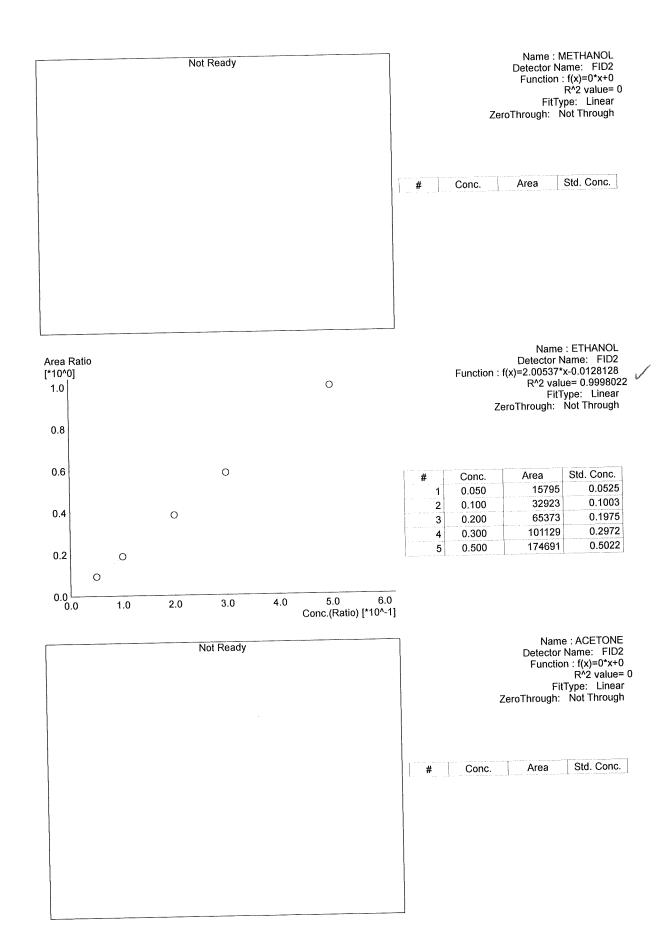
Calibration Table Laboratory: Pocatello Instrument Name : GC2030-HS20 <<Data File>> Method File :C:\LabSolutions\Data\2021\07-26-21_TS\ALCOHOL.gcm :C:\LabSolutions\Data\2021\07-26-21_TS\07-26-21_ts_post.gcb :7/26/2021 10:52:26 AM :7/26/2021 10:49:31 AM :7/27/2021 7:30:16 AM Batch File Date Acquired Date Created Date Modified Name : METHANOL Detector Name: FID1 Not Ready Function: f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through Std. Conc. Conc. Area Name: ACETALDEHYDE Not Ready Detector Name: FID1 Function: f(x)=0*x+0
R^2 value= 0 FitType: Linear ZeroThrough: Not Through Std. Conc. Conc. Area







Not Ready	Name: DFE Detector Name: FID1 Function: f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through # Conc. Area Std. Conc.
Not Ready	Name : TFE Detector Name: FID1 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through
	# Conc. Area Std. Conc.
Not Ready	Name : ACETALDEHYDE Detector Name: FID2 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through
	# Conc. Area Std. Conc.





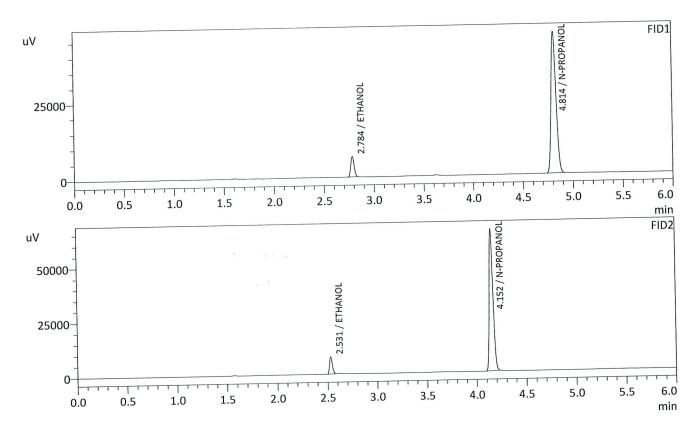
Not Ready	Name : ISOPROPYL ALCOHOL Detector Name: FID2 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through
	# Conc. Area Std. Conc.
	# Conc. Area Std. Conc.
Not Ready	Name: DFE Detector Name: FID2 Function: f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: Not Through
rúts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

Sample Name Vial # Data Filename

Method Filename Batch Filename Date Acquired Date Processed

: 0.050

: 1 : 0.050_7262021_001.gcd : ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 10:17:06 AM : 7/27/2021 7:30:10 AM



ID1 Name	Conc.	Unit	Area	Height
	Conc.	g/100cc		
METHANOL		g/100cc		
ACETALDEHYDE	0.0547		15522	6658
ETHANOL	0.0517	g/100cc		0050
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	162202	46400
DFE		g/100cc		
TFE		g/100cc		

ID2	Conc.	Unit	Area	Height
Name	Coric.	g/100cc		
ACETALDEHYDE		O,	-	
METHANOL		g/100cc		
ETHANOL	0.0525	g/100cc	15795	7875
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	170647	64832
DFE		g/100cc		
TFE		g/100cc		

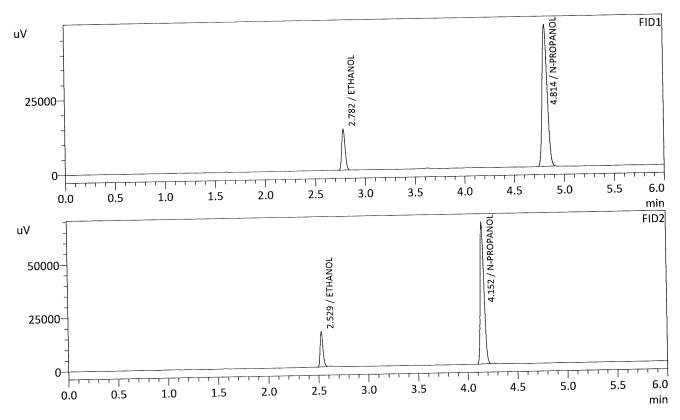
Sample Name Vial # Data Filename Method Filename Batch Filename

: 0.100

: 2 : 0.100_7262021_002.gcd

: ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 10:25:44 AM : 7/27/2021 7:30:12 AM

Date Acquired **Date Processed**



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.1003	g/100cc	32070	13653
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	166251	47565
DFE		g/100cc		
TFE		g/100cc		·

FID2	enger on garden and	11	Aroa	Height
Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.1003	g/100cc	32923	16349
ACFTONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	174762	66479
DEF		g/100cc		
TEF		g/100cc		

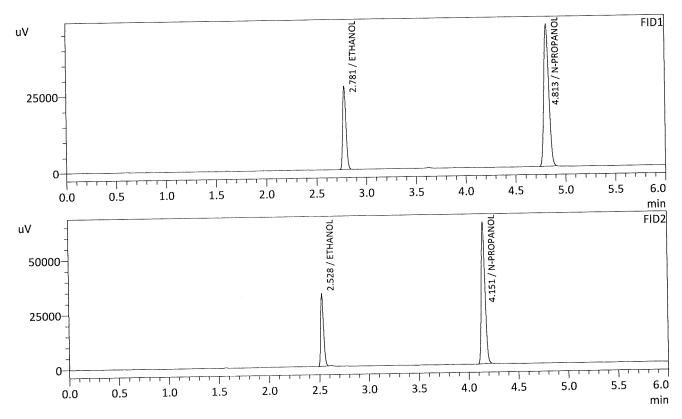


: 0.200

Sample Name Vial # Data Filename Method Filename

: 3 : 0.200_7262021_003.gcd

Batch Filename Date Acquired **Date Processed** : ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 10:34:47 AM : 7/27/2021 7:30:13 AM



-1D1	7 7 7 7 7		Area	Height
Name	Conc.	Unit	Aica	i i cigi i c
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.1982	g/100cc	63095	26946
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	162327	46394
DFE		g/100cc		
TEF		g/100cc		

·ID2	angles are a second of the	1 11.	Aron	Height	
Name	Conc.	Unit	Area	HEIGHT	
ACETALDEHYDE		g/100cc			
METHANOL		g/100cc			
THANOL 0.1975		g/100cc	65373	33085	
ACETONE	IE				
ISOPROPYL ALCOHOL					
N-PROPANOL	0.0000	g/100cc	170513	64798	
DEF					
TEE		g/100cc			

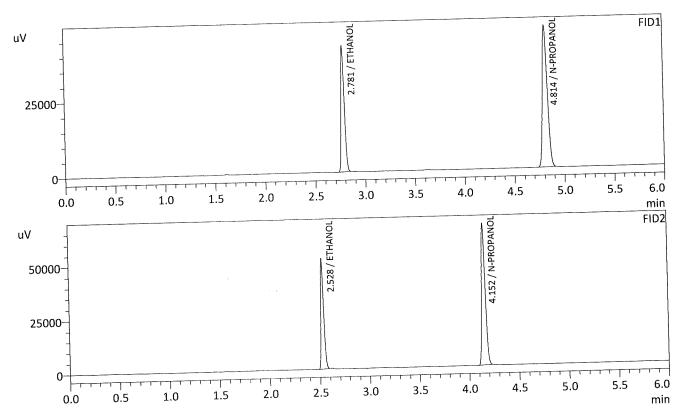
Sample Name Vial # Data Filename

: 4 : 0.300_7262021_004.gcd

: 0.300

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

: ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 10:43:23 AM : 7/27/2021 7:30:15 AM



ID1	Conc.	Unit	Area	Height
Name	Conc.	(4.00		
METHANOL		g/100cc		
ACETAL DEHYDE		g/100cc		
	0.2090	g/100cc	97445	41671
ETHANOL	0.2960	6/ 200		
ISOPROPYL ALCOHOL		g/100cc		100
ACETONE		g/100cc		
	0.0000	g/100cc	165636	47261
N-PROPANOL	0.0000	/100	. = 5.5 (3.5	
DEF		g/100cc		
TEE		g/100cc		

ID2	Conc	Unit	Area	Height	
Name	COIIC.		and the second of		
ACETALDEHYDE		g/100cc			
METHANOL		g/100cc			
	0.2072	g/100cc	101129	51294	
ETHANOL	0.2372	/4.00			
ACETONE		6/			
ISOPROPYL ALCOHOL		g/100cc			
N-PROPANOL	0.0000	g/100cc	173377	65941	
		g/100cc			
DFE		01 -			
TFE		g/100cc		I	



Date Processed

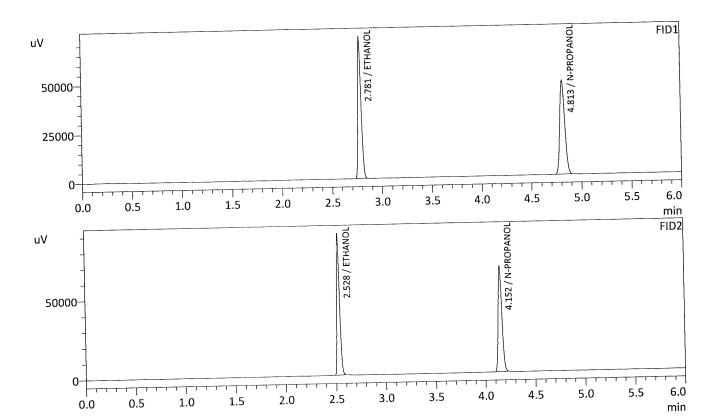
Sample Name Vial # Data Filename Method Filename

Batch Filename Date Acquired

: 0.500

: 5 : 0.500_7262021_005.gcd

: ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 10:52:26 AM : 7/27/2021 7:30:16 AM



Name	Conc.	Unit	Area	Height 	
METHANOL		g/100cc			
ACETALDEHYDE		g/100cc			
ETHANOL	0.5016	g/100cc	167123	72253	
ISOPROPYL ALCOHOL		g/100cc			
ACETONE		g/100cc			
N-PROPANOL	0.0000	g/100cc	167888	48076	
DFF		g/100cc			
TEF		g/100cc			

Name	Conc.	Unit	Area	Height
		g/100cc		
ACETALDEHYDE		g/100cc		
METHANOL		g/ 100cc	474604	00471
ETHANOL	0.5022	g/100cc	1/4691	894/1
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	175660	66867
DFE		g/100cc		
		g/100cc		



Sample Name Vial #___

: INT STD BLK 1

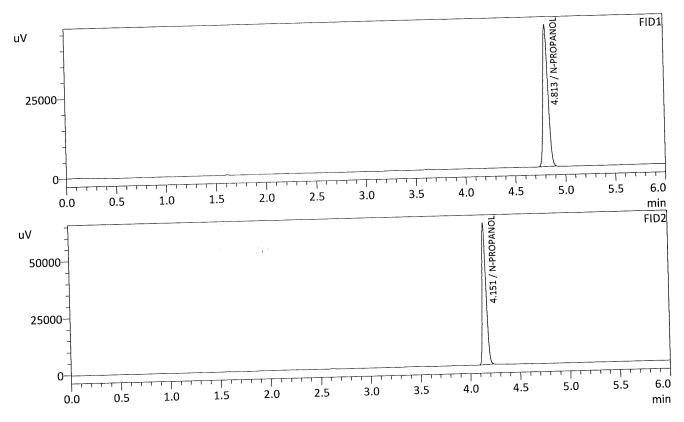
Data Filename

: INT STD BLK 1_7262021_006.gcd

Method Filename Batch Filename

: ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 11:01:07 AM : 7/27/2021 7:30:19 AM

Date Acquired Date Processed



ID1		I IInit I	Area	Height	
Name	Conc.	Unit	Alea	110.6	
MFTHANOL		g/100cc			
ACETAL DEHYDE		g/100cc	 		
ETHANOL		g/100cc			
ISOPROPYL ALCOHOL		g/100cc	_ 		
A OFTIONE		g/100cc			
N-DROPANOI	0.0000	g/100cc	155767	44442	
N-PROPANOL DFF		g/100cc		ļ	
UFE TEL		g/100cc			

ID2 Name	Conc.	Unit	Area	Height	
		g/100cc			
TILANOI		g/100cc			
THANOL		g/100cc			
ACETONE		g/100cc			
SOPROPYL ALCOHOL		g/100cc			
N-PROPANOI	0.0000	g/100cc	163518	62194	
N-PROPANOL DFF		g/100cc	water		
DTE		g/100cc			

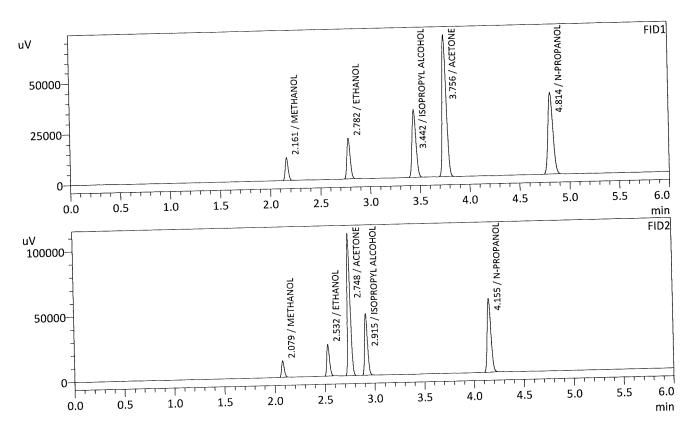


Sample Name Vial # Data Filename Method Filename

Batch Filename Date Acquired **Date Processed** : MULTI-COMP MIX

: MULTI-COMP MIX_7262021_007.gcd

: ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 11:10:02 AM : 7/27/2021 7:30:20 AM



ID1	Conc.	Unit	Area	Height
Name	0.0000	g/100cc	22532	11161
METHANOL	0.0000	g/100cc g/100cc		
ACETALDEHYDE	0.1606	g/100cc g/100cc	45848	19785
ETHANOL	0.1686	g/100cc g/100cc	91916	33358
ISOPROPYL ALCOHOL	0.0000	g/100cc g/100cc	197297	69887
ACETONE	0.0000		139149	40180
N-PROPANOL	0.0000	g/100cc	133143	
DFE		g/100cc		
TFE		g/100cc		L

ID2	Cons	Unit	Area	Height
Name	Conc.	011110		
ACETALDEHYDE		g/100cc		42556
METHANOL	0.0000	g/100cc	23110	12556
The second secon	0.1677	g/100cc	47426	24349
ETHANOL	0.1077	g/100cc	212701	107882
ACETONE	0.0000		97245	47142
ISOPROPYL ALCOHOL	0.0000	g/100cc		
N-PROPANOL	0.0000	g/100cc	146577	56251
,		g/100cc		
DFE TEE		g/100cc		

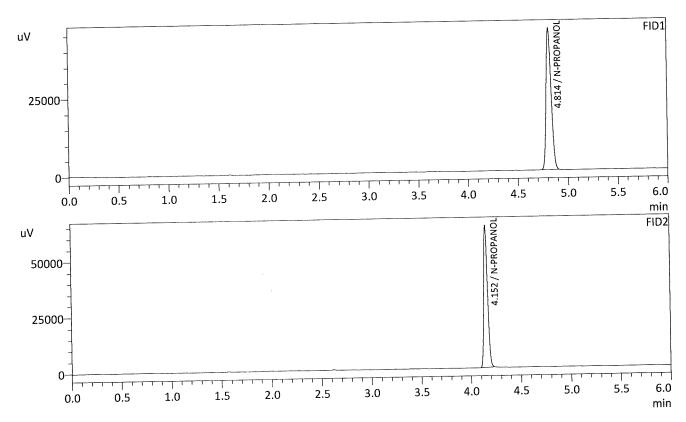


: INT STD BLK 2 : 8

Sample Name Vial # Data Filename Method Filename

: INT STD BLK 2_7262021_008.gcd

Batch Filename Date Acquired **Date Processed** : ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 11:18:51 AM : 7/27/2021 7:30:21 AM



Name	Conc	Unit	Area	Height	
IVAITIC	001101	g/100cc			
METHANOL		0/			
ACETALDEHYDE		g/100cc			
ETHANOL		g/100cc			
ISOPROPYL ALCOHOL		g/100cc			
ACETONE		g/100cc			
N-PROPANOL	0.0000	g/100cc	158374	45417	
DFE		g/100cc			
TEF		g/100cc			

Name	Conc.	Unit	Area	Height	
ACFTALDEHYDE		g/100cc			
METHANOL		g/100cc			
THANOL		g/100cc			
ACETONE		g/100cc			
ISOPROPYL ALCOHOL		g/100cc			
N-PROPANOI	0.0000	g/100cc	166679	63445	
DFF		g/100cc			
TFF		g/100cc			



VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 Analysis Date(s): 07/26/2021

Laboratory				CHARLES CONTRACTOR OF THE PARTY		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0747	0.0748	0.0001	0.0747	0.0003	0.0749
(g/100cc)	0.0751	0.0750	0.0001	0.0750	0.000	

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

Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

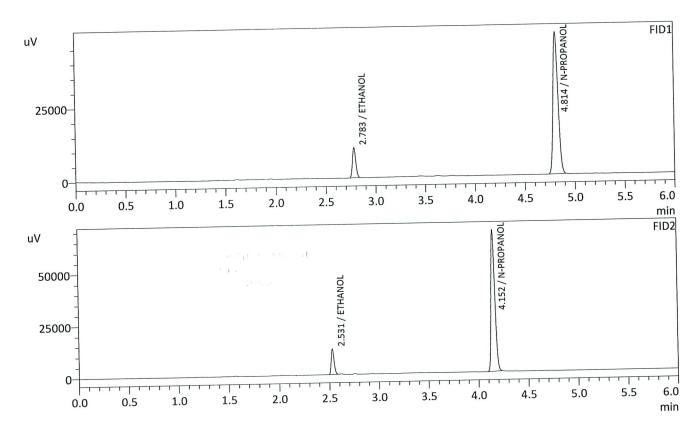


: QC-1-1-A

Sample Name Vial # Data Filename Method Filename

: 9 : QC-1-1-A_7262021_009.gcd

Batch Filename Date Acquired Date Processed : ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 11:28:01 AM : 7/27/2021 7:30:23 AM



FID1 Name	Conc.	Unit	Area	Height	
METHANOL		g/100cc			
ACETALDEHYDE		g/100cc			
FTHANOL	0.0747	g/100cc	24037	10260	
ISOPROPYL ALCOHOL		g/100cc			
ACETONE		g/100cc			
N-PROPANOL	0.0000	g/100cc	169573	48360	
DFE		g/100cc			
TFF		g/100cc			

ID2	Conc.	Unit	Area	Height
Name	Corre.	g/100cc		
ACETALDEHYDE		g/100cc		
METHANOL			24473	12179
ETHANOL	0.0748	g/100cc	244/3	
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	178286	68028
DFE		g/100cc		
TFE		g/100cc		

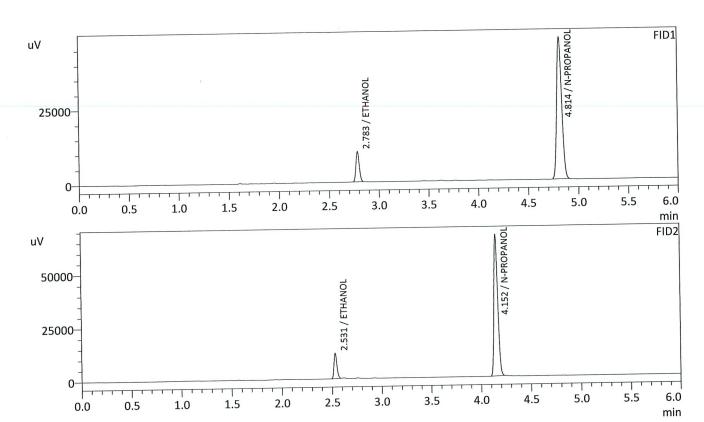


Sample Name Vial # Data Filename

: QC-1-1-B : 10

Method Filename Batch Filename Date Acquired Date Processed

: 10 : QC-1-1-B_7262021_010.gcd : ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 11:36:50 AM : 7/27/2021 7:30:24 AM



ID1 Name	Conc.	Unit	Area	Height
METHANOL				
ACETALDEHYDE		g/100cc		
ETHANOL	0.0751	g/100cc	23722	10096
SOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	166379	47537
DFE		g/100cc		
TFE		g/100cc		

-ID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
FTHANOL	0.0750	g/100cc	24076	12006
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	174895	66401
DFE		g/100cc		
TFE		g/100cc		



VOLATILES DETERMINATION CASEFILE WORKSHEET

Analysis Date(s): 07/26/2021 Laboratory No.: 0.08 QA Sample A-B Over-all Mean Column 2 Column 1 Column Precision Mean Value Difference FID B FID A Sample Results 0.0817 0.0000 0.0817 0.0817 0.0816 0.0001

0.0003

0.0815

0.0816

Analysis Method

(g/100cc)

Refer to Blood Alcohol Method #1

0.0818

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%

1 3			
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

Reported Result	
0.081	

Page: 1 of 1

Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager



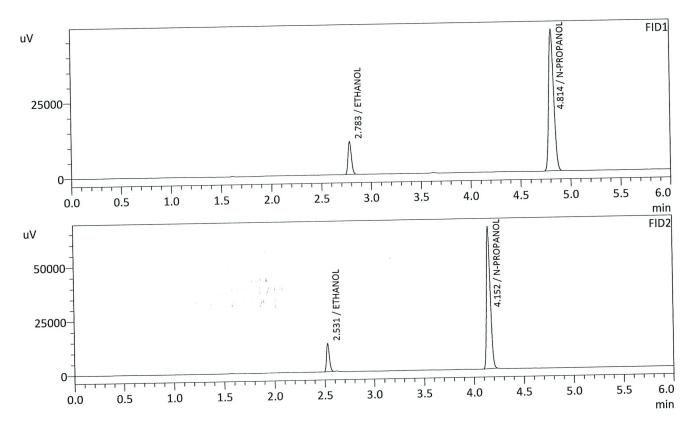
: 0.08 QA - A : 11

Sample Name Vial # Data Filename

: 0.08 QA - A_7262021_011.gcd

Method Filename

Batch Filename Date Acquired Date Processed : ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 11:45:31 AM : 7/27/2021 7:30:25 AM



FID1 Name	Conc.	Unit	Area	Height	
114	Conc.	g/100cc			
METHANOL		g/100cc			
ACETALDEHYDE		0.	25565	10894	
ETHANOL	0.0817	g/100cc	25565	10054	
OPROPYL ALCOHOL		g/100cc			
ACETONE		g/100cc			
N-PROPANOL	0.0000	g/100cc	164203	46914	
DFE		g/100cc			
TFE		g/100cc			

FID2	Conc.	Unit	Area	Height
Name	Corre.	g/100cc		
ACETALDEHYDE	EHYDE			
METHANOL		g/100cc		
FTHANOL	0.0817	g/100cc	26027	12956
CETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	172290	65395
DFE		g/100cc		
TFE		g/100cc		



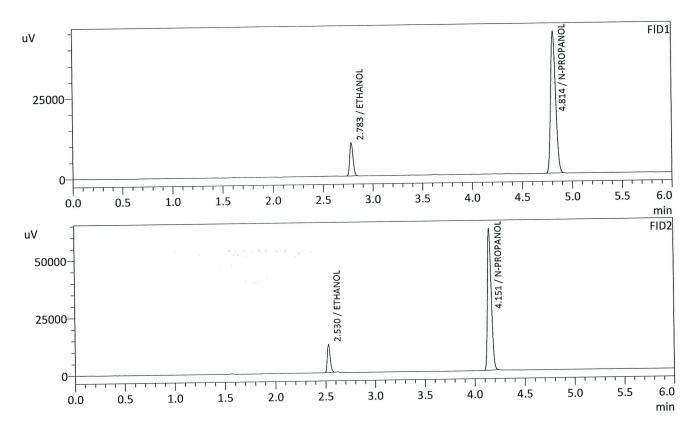
Sample Name Vial # : 0.08 QA - B

: 12

: 0.08 QA - B_7262021_012.gcd

Data Filename Method Filename Batch Filename Date Acquired Date Processed

: ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 11:54:49 AM : 7/27/2021 7:30:27 AM



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
FTHANOL	0.0818	g/100cc	23898	10246
SOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	153290	44022
DFE	,	g/100cc		
TFE		g/100cc		

FID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0815	g/100cc	24330	12109
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	161405	61728
DFE		g/100cc		
TFE		g/100cc		



VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 Analysis Date(s): 07/26/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2133	0.2118	0.0015	0.2125	0.0008	0.2121
(g/100cc)	0.2126	0.2108	0.0018	0.2117	0.000	

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results	Uncertainty of Measurement (UM%): 5.00%			
Overall Mean (g/100cc)	Low	High	5% of Mean	
0.212	0.201	0.223	0.011	
R	eported Res	ult		

0.212

Page: 1 of 1

Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name Vial #

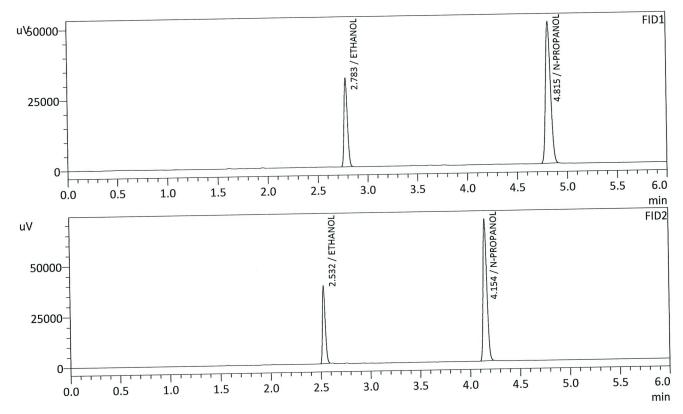
: QC2-1-A

: 31 : QC2-1-A_7262021_031.gcd : ALCOHOL.gcm

Data Filename Method Filename Batch Filename

: 07-26-21_ts_post.gcb : 7/26/2021 2:42:32 PM : 7/27/2021 7:31:00 AM

Date Acquired Date Processed



FID1	Conc.	Unit	Area	Height
Name	Conc.			
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2133	g/100cc	73496	31377
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	175410	50198
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
FTHANOL	0.2118	g/100cc	75680	38338
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	183673	69679
DFE		g/100cc		
TFE		g/100cc		

: QC2-1-B

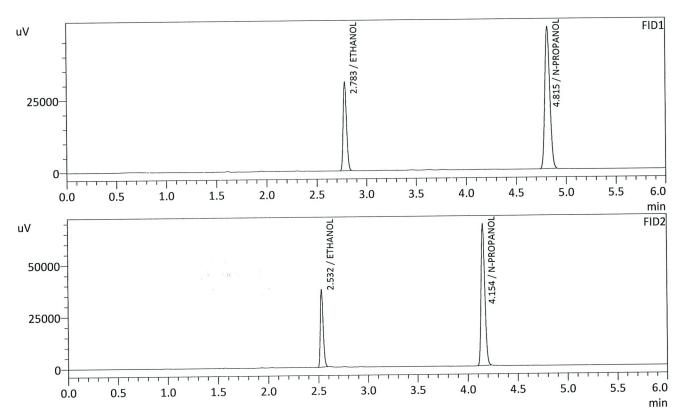
: 32

: QC2-1-B_7262021_032.gcd

Sample Name Vial # Data Filename Method Filename Batch Filename

Date Acquired Date Processed

: ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 2:51:27 PM : 7/27/2021 7:31:02 AM



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2126	g/100cc	71663	30597
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	171661	48973
DFE		g/100cc		
TFE		g/100cc		

FID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.2108	g/100cc	73700	37267
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	179782	67778
DFE		g/100cc		
TFE		g/100cc		



VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 Analysis Date(s): 07/26/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0783	0.0776	0.0007	0.0779	0.0004	0.0781
(g/100cc)	0.0785	0.0781	0.0004	0.0783	0.0004	0.0701

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	
0.078	0.074	0.082	0.004	
R	eported Resi	ılt		

Reported Result	
0.078	

Page: 1 of 1

Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

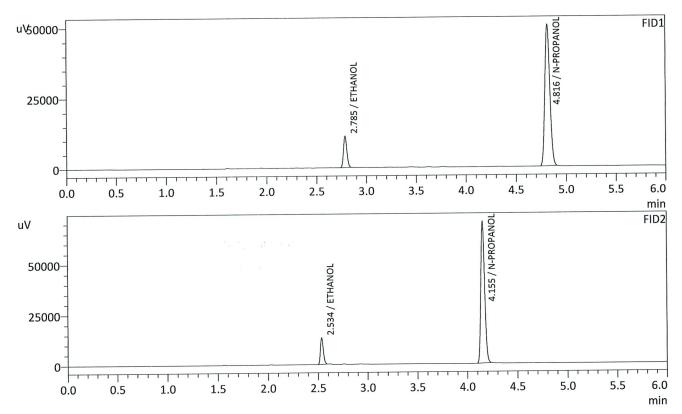
Issuing Authority: Quality Manager

: QC1-2-A

: 47

Sample Name Vial # Data Filename Method Filename Batch Filename Date Acquired Date Processed

: 47 : QC1-2-A_7262021_047.gcd : ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 5:03:58 PM : 7/27/2021 7:31:27 AM



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0783	g/100cc	26210	11155
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	176005	50147
DFE		g/100cc		
TFE		g/100cc		

FID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0776	g/100cc	26383	13028
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	184541	70204
DFE		g/100cc		
TFE		g/100cc		



Sample Name Vial # Data Filename

: QC1-2-B

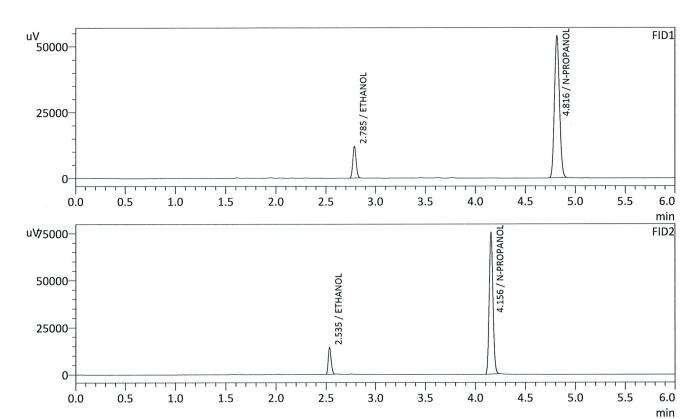
: 48

: QC1-2-B_7262021_048.gcd

Method Filename Batch Filename

Date Acquired Date Processed

: ALCOHOL.gcm : 07-26-21_ts_post.gcb : 7/26/2021 5:12:35 PM : 7/27/2021 7:31:28 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0785	g/100cc	28185	11981
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	188804	53713
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0781	g/100cc	28429	14061
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	197573	75240
DFE		g/100cc		
TFE		g/100cc		

Sample Name Vial #___

: INT STD BLK 3

: 49

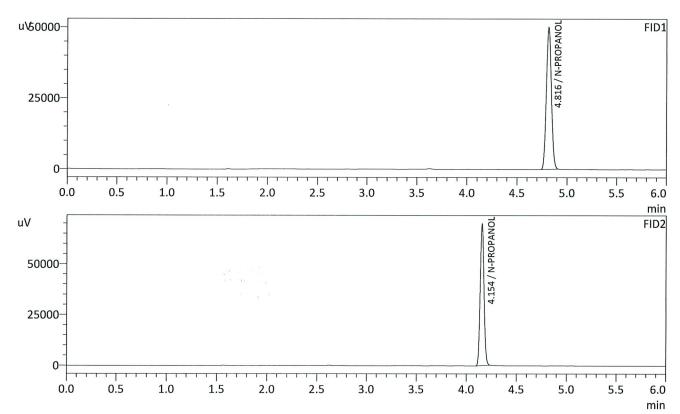
Data Filename

: INT STD BLK 3_7262021_049.gcd

Method Filename Batch Filename

: ALCOHOL.gcm

Date Acquired **Date Processed** : 07-26-21_ts_post.gcb : 7/26/2021 5:21:25 PM : 7/27/2021 7:31:30 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	174741	49801
PFE		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	183443	69473
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 Copyright (C) 2008-2019 Shimadzu Corporation. All rights reserved.

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm	0.050_7262021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100 7262021 002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_7262021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_7262021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_7262021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_7262021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_7262021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_7262021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_7262021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_7262021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_7262021 011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_7262021_012.gcd	0
13	P2021-2114-1-A	0:Unknown	ALCOHOL.gcm	P2021-2114-1-A_7262021_013.gcd	0
14	P2021-2114-1-B	0:Unknown	ALCOHOL.gcm	P2021-2114-1-B_7262021_014.gcd	0
15	P2021-2129-1-A	0:Unknown	ALCOHOL.gcm	P2021-2129-1-A_7262021_015.gcd	0
16	P2021-2129-1-B	0:Unknown	ALCOHOL.gcm	P2021-2129-1-B_7262021_016.gcd	0
17	P2021-2182-3-A	0:Unknown	ALCOHOL.gcm	P2021-2182-3-A_7262021_017.gcd	0
18	P2021-2182-3-B	0:Unknown	ALCOHOL.gcm	P2021-2182-3-B_7262021_018.gcd	0
19	P2021-2187-1-A	0:Unknown	ALCOHOL.gcm	P2021-2187-1-A_7262021_019.gcd	0
20	P2021-2187-1-B	0:Unknown	ALCOHOL.gcm	P2021-2187-1-B_7262021_020.gcd	0
21	P2021-2190-1-A	0:Unknown	ALCOHOL.gcm	P2021-2190-1-A_7262021_021.gcd	0
22	P2021-2190-1-B	0:Unknown	ALCOHOL.gcm	P2021-2190-1-B 7262021 022.gcd	0
23	P2021-2202-1-A	0:Unknown	ALCOHOL.gcm	P2021-2202-1-A_7262021_023.gcd	0
24	P2021-2202-1-B	0:Unknown	ALCOHOL.gcm	P2021-2202-1-B_7262021_024.gcd	0
25	P2021-2205-1-A	0:Unknown	ALCOHOL.gcm	P2021-2205-1-A_7262021_025.gcd	0
26	P2021-2205-1-B	0:Unknown	ALCOHOL.gcm	P2021-2205-1-B 7262021 026.gcd	0
27	P2021-2206-1-A	0:Unknown	ALCOHOL.gcm	P2021-2206-1-A_7262021_027.gcd	0
28	P2021-2206-1-B	0:Unknown	ALCOHOL.gcm	P2021-2206-1-B_7262021_028.gcd	0
29	P2021-2207-1-A	0:Unknown	ALCOHOL.gcm	P2021-2207-1-A_7262021_029.gcd	0
30	P2021-2207-1-B	0:Unknown	ALCOHOL.gcm	P2021-2207-1-B_7262021_030.gcd	0
31	QC2-1-A	0:Unknown	ALCOHOL.gcm	QC2-1-A_7262021_031.gcd	0
32	QC2-1-B	0:Unknown	ALCOHOL.gcm	QC2-1-B_7262021_032.gcd	0
33	P2021-2209-1-A	0:Unknown	ALCOHOL.gcm	P2021-2209-1-A_7262021_033.gcd	0
34	P2021-2209-1-B	0:Unknown	ALCOHOL.gcm	P2021-2209-1-B_7262021_034.gcd	0
35	P2021-2210-1-A	0:Unknown	ALCOHOL.gcm	P2021-2210-1-A_7262021_035.gcd	0
36	P2021-2210-1-B	0:Unknown	ALCOHOL.gcm	P2021-2210-1-B_7262021_036.gcd	0
37	P2021-2282-1-A	0:Unknown	ALCOHOL.gcm	P2021-2282-1-A_7262021_037.gcd	0
38	P2021-2282-1-B	0:Unknown	ALCOHOL.gcm	P2021-2282-1-B_7262021_038.gcd	0
39	P2021-2283-1-A	0:Unknown	ALCOHOL.gcm	P2021-2283-1-A_7262021_039.gcd	0
40	P2021-2283-1-B	0:Unknown	ALCOHOL.gcm	P2021-2283-1-B_7262021_040.gcd	0
1 1	P2021-2358-1-A	0:Unknown	ALCOHOL.gcm	P2021-2358-1-A_7262021_041.gcd	0
12	P2021-2358-1-B	0:Unknown	ALCOHOL.gcm	P2021-2358-1-B_7262021_042.gcd	0
13	P2021-2366-2-A	0:Unknown	ALCOHOL.gcm	P2021-2366-2-A_7262021_043.gcd	o l
14	P2021-2366-2-B	0:Unknown	ALCOHOL.gcm	P2021-2366-2-B_7262021_044.gcd	0
15	P2021-2368-1-A	0:Unknown	ALCOHOL.gcm	P2021-2368-1-A_7262021_045.gcd	0
16	P2021-2368-1-B	0:Unknown	ALCOHOL.gcm	P2021-2368-1-B_7262021_046.gcd	0
17	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_7262021_047.gcd	0
18	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_7262021_048.gcd	0
19	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3 7262021 049.gcd	0