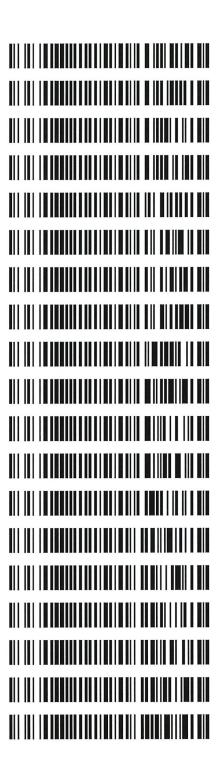
### Worklist: 4846

LAB CASE	<u>ITEM</u>	ITEM TYPE	DESCRIPTION
P2021-0443	1	вск	BATS Proficiency Test
P2021-0443	2	вск	BATS Proficiency Test
P2021-0443	3	вск	BATS Proficiency Test
P2021-0443	4	вск	BATS Proficiency Test
P2021-0522	1	BCK	Alcohol Analysis
P2021-0565	1	BCK	Alcohol Analysis
P2021-0566	1	BCK	Alcohol Analysis
P2021-0568	1	BCK	Alcohol Analysis
P2021-0578	1	BCK	Alcohol Analysis
P2021-0609	1	BCK	Alcohol Analysis
P2021-0611	1	BCK	Alcohol Analysis
P2021-0612	1	вск	Alcohol Analysis
P2021-0625	1	BCK	Alcohol Analysis
P2021-0665	1	BCK	Alcohol Analysis
P2021-0671	1	BCK	Alcohol Analysis
P2021-0672	1	BCK	Alcohol Analysis
P2021-0674	1	BCK	Alcohol Analysis
P2021-0675	1	BCK	Alcohol Analysis
P2021-0707	1	BCK	Alcohol Analysis



# Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

**Volatiles Quality Assurance Controls** Run Date(s): 03-16-2021

0.99949	Column2	0.99902	Column 1		Curve Fit:	
ok	FN07101701	Lot#   I			nent mixture:	Multi-Component mixture:
g/100cc						
g/100cc	0.1953-0.2387	_	0.2170	1907007	Jul-23	Level 2
0.2009 g/100cc						
g/100cc						
0.0742 g/100cc	0.0688-0.0840		0.0764	1907006	Jul-23	Level 1
0.0722 g/100cc						
<b>Overall Results</b>	Acceptable Range	7	Target Value	Lot#	Expiration	Control level

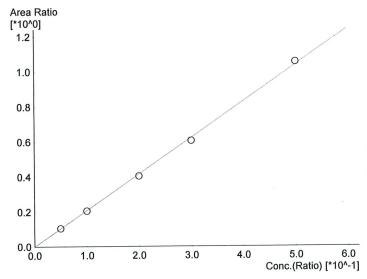
Ethanol C	Ethanol Calibration Reference Material					
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Column 1   Column 2   Precision	Mean
50	0.050	0.045 - 0.055	0.0501	0.0537	0.0036	0.0519
100	0.100	0.090 - 0.110	0.0985	0.1006	0.0021	0.0995
200	0.200	0.180 - 0.220	0.1942	0.1934	0.0008	0.1938
300	0.300	0.270 - 0.330	0.2914	0.2895	0.0019	0.2904
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5077	5077 0.5020	0.0057	0.5048

0.079 g/100cc	0.076 - 0.084	0.080	80	
<b>Overall Results</b>	Acceptable Range   Overall Result	Target Value	Control level	
		Aqueous Controls		

Revision: 2

Issue Date: 12/23/2019 Issuing Authority: Quality Manager

========	Calibratio	n Table	:====	======	=====	
aboratory: Pocatello	C2030-HS20					
<method file="">&gt; Method File Date Created Date Modified</method>	:C:\LabSolutions\Data\2021\3-16-21 rc :12/3/2020 11:18:14 AM :3/18/2021 9:16:29 AM	\ALCOHOL.gc	cm			
	Not Ready				Detector Functio Fit	: METHANOL Name: FID1 on : f(x)=0*x+0 R^2 value= 0 Type: Linear ugh: Through
			#	Conc.	Area	Std. Conc.
	Not Ready				Detecto Functi F	ETALDEHYDE r Name: FID1 on : f(x)=0*x+0 R^2 value= 0 itType: Linear ough: Through
			#	Conc.	Area	Std. Conc.



Name: ETHANOL
Detector Name: FID1
Function: f(x)=2.07398\*x+0
R^2 value= 0.9990256
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.
1	0.050	14360	0.0501
2	0.100	29560	0.0985
3	0.200	61055	0.1942
4	0.300	91448	0.2914
5	0.500	154972	0.5077

Not Ready

Name : ISOPROPYL ALCOHOL
Detector Name: FID1
Function : f(x)=0\*x+0
R^2 value= 0

FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.

Not Ready

Name : ACETONE
Detector Name: FID1
Function : f(x)=0\*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

# Conc. Area Std. Conc.



Not Ready	Name : DFE Detector Name: FID1 Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear ZeroThrough: 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: 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: METHANOL Detector Name: FID2 Function : f(x)=0\*x+0 R\*2 value= 0

FitType: Linear

ZeroThrough: Not Through

Std. Conc. Conc. Area #

Area Ratio [\*10^0] 1.2 1.0 8.0 0.6 0.4 0.2 0.0 6.0 4.0 5.0 2.0 3.0 1.0 Conc.(Ratio) [\*10^-1]

Name : ETHANOL Detector Name: FID2 Function: f(x)=2.13197\*x-0.0175342 R^2 value= 0.9994965↓ R\*2 value= 0.9994965↓ FitType: Linear ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	14291	0.0537
2	0.100	30214	0.1006
3	0.200	63393	0.1934
5	0.500	163163	0.5020

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

Not Ready
¥

Area Std. Conc. 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.
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.
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.



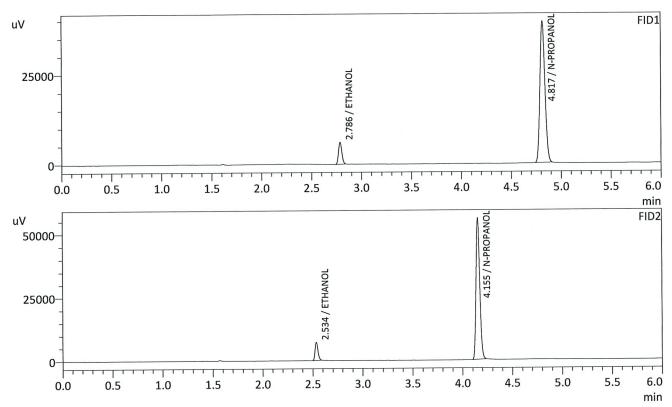
: 0.050

Sample Name Vial # Data Filename Method Filename

: 1 : 0.050\_3162021\_001.gcd

: ALCOHOL.gcm : 3-16-21 batch post 2.gcb : 3/16/2021 11:54:58 AM : 3/18/2021 9:27:44 AM

Batch Filename Date Acquired Date Processed



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0501	g/100cc	14360	6070
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	138169	39294
DFE		g/100cc		
TFE		g/100cc		

-ID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0537	g/100cc	14291	7004
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	147246	55742
DFE		g/100cc		
TFE		g/100cc		



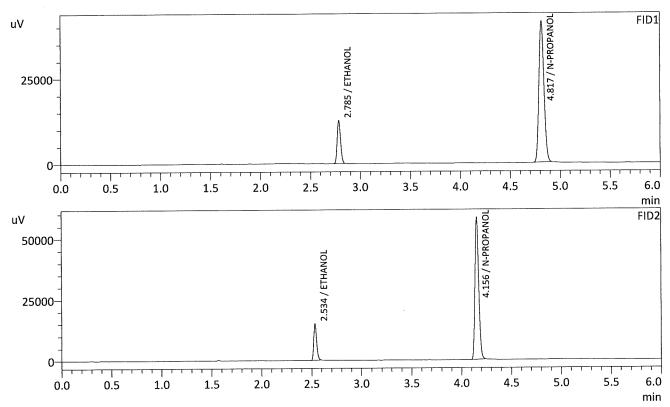
: 0.100 : 2

Sample Name Vial # Data Filename

: 0.100\_3162021\_002.gcd

Method Filename

Batch Filename Date Acquired **Date Processed**  : ALCOHOL.gcm : 3-16-21 batch post 2.gcb : 3/16/2021 12:03:41 PM : 3/18/2021 9:27:46 AM



-ID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0985	g/100cc	29560	12573
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	144677	41143
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.1006	g/100cc	30214	14838
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	153295	58146
DFE		g/100cc		
TFE		g/100cc		



: 0.200

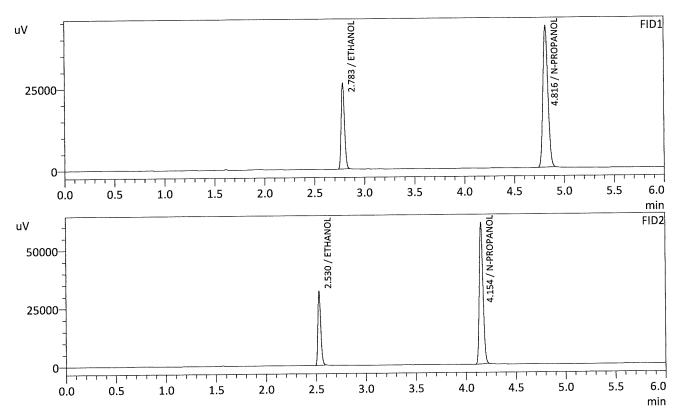
: 3

: 0.200\_3162021\_003.gcd

Sample Name Vial # Data Filename Method Filename

Batch Filename Date Acquired Date Processed

: ALCOHOL.gcm : 3-16-21 batch post 2.gcb : 3/16/2021 12:12:30 PM : 3/18/2021 9:27:47 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE	***	g/100cc		
ETHANOL	0.1942	g/100cc	61055	26086
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	151567	43119
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		**
METHANOL		g/100cc		
ETHANOL	0.1934	g/100cc	63393	31588
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	160505	60308
DFE		g/100cc		
TFE		g/100cc		



Sample Name

: 0.300

Vial # Data Filename : 4

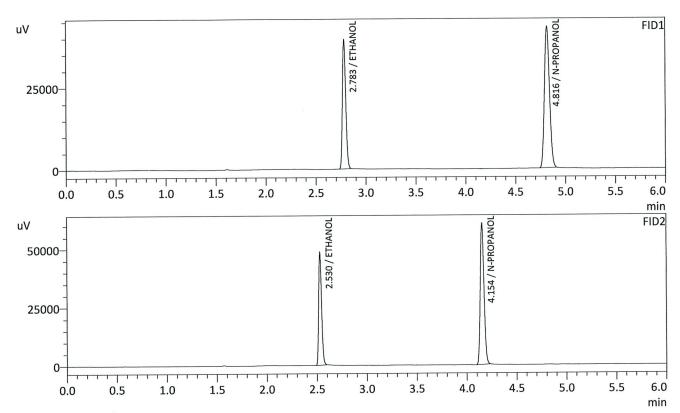
Method Filename

: 0.300\_3162021\_004.gcd : ALCOHOL.gcm

Batch Filename Date Acquired : 3-16-21 batch post 2.gcb : 3/16/2021 12:21:18 PM

Date Acquired
Date Processed

: 3/18/2021 9:27:48 AM



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2914	g/100cc	91448	39205
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	151267	42908
DFE		g/100cc		
TFE		g/100cc		

FID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.2895	g/100cc	95957	47848
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	160003	60249
DFE		g/100cc		
TFE		g/100cc		

Point dropped

Point dropped

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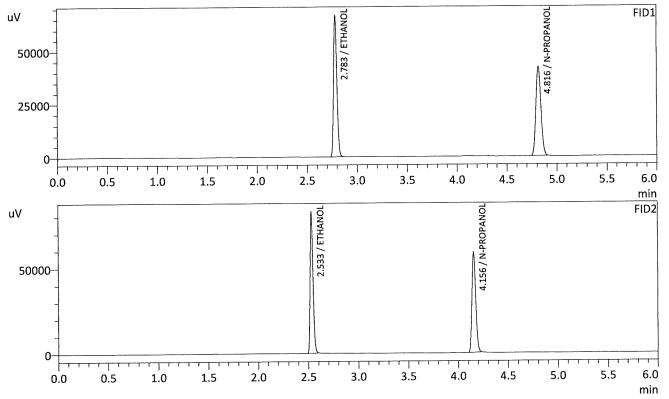
3-18-21



: 0.500 : 5

Sample Name Vial # Data Filename Method Filename

Batch Filename Date Acquired Date Processed : 0.500\_3162021\_005.gcd : ALCOHOL.gcm : 3-16-21 batch post 2.gcb : 3/16/2021 12:30:14 PM : 3/18/2021 9:27:49 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.5077	g/100cc	154972	66607
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	147178	41801
DFE		g/100cc		
TFE	***	g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc	***	
ETHANOL	0.5020	g/100cc	163163	82468
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	154962	58670
DFE		g/100cc		
TFE		g/100cc		



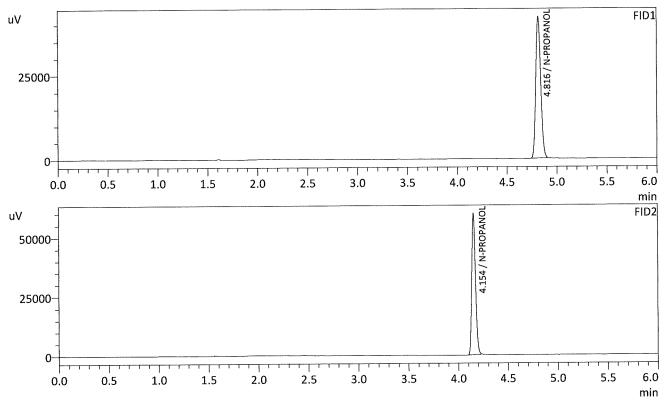
: INT STD BLK 1

: 6

Sample Name Vial # Data Filename Method Filename

: INT STD BLK 1\_3162021\_006.gcd : ALCOHOL.gcm

Batch Filename Date Acquired Date Processed : 3-16-21 batch post 2.gcb : 3/16/2021 12:38:58 PM : 3/18/2021 9:21:57 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	147270	41912
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	156540	59079
DFE	A 100	g/100cc		
TFE		g/100cc		



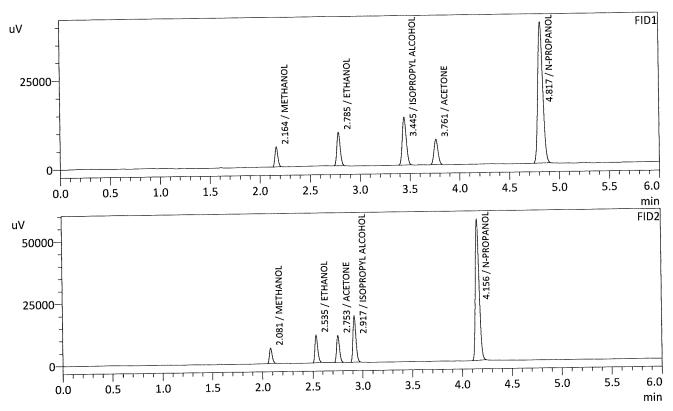
: MULTI-COMP MIX

: 7 : MULTI-COMP MIX\_3162021\_007.gcd

Sample Name Vial # Data Filename Method Filename

Batch Filename Date Acquired Date Processed

: ALCOHOL.gcm : 3-16-21 batch post 2.gcb : 3/16/2021 12:47:49 PM : 3/18/2021 9:21:58 AM



Name	Conc.	Unit	Area	Height
MFTHANOL	0.0000	g/100cc	11384	5609
ACETALDEHYDE		g/100cc		
ETHANOL	0.0760	g/100cc	21861	9397
ISOPROPYL ALCOHOL	0.0000	g/100cc	37396	13360
ACETONE	0.0000	g/100cc	19988	7057
N-PROPANOL	0.0000	g/100cc	138529	39596
DFE		g/100cc		
TEF		g/100cc		

ID2Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL	0.0000	g/100cc	11760	6165
ETHANOL	0.0787	g/100cc	22251	11039
ACETONE	0.0000	g/100cc	21860	10798
ISOPROPYL ALCOHOL	0.0000	g/100cc	38831	18389
N-PROPANOL	0.0000	g/100cc	148066	56694
DFE		g/100cc		
TEF		g/100cc		



: INT STD BLK 2

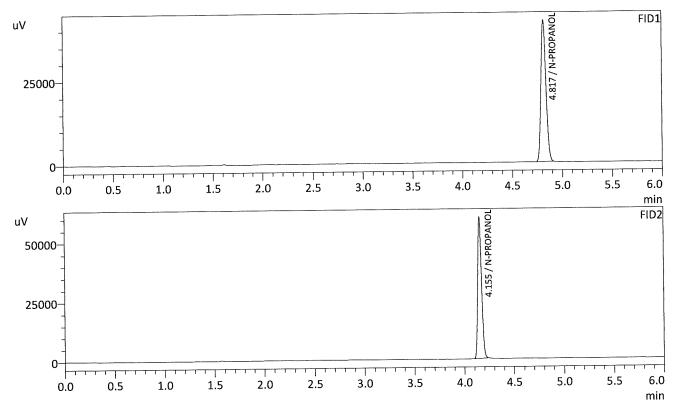
: 8 : INT STD BLK 2\_3162021\_008.gcd

Sample Name Vial # Data Filename Method Filename

Batch Filename

: ALCOHOL.gcm : 3-16-21 batch post 2.gcb : 3/16/2021 12:57:00 PM : 3/18/2021 9:22:00 AM

Date Acquired Date Processed



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		<b></b>
ACETALDEHYDE		g/100cc		
ETHANOL		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	148189	42104
DFE		g/100cc	pa an	
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	157759	59624
DFE		g/100cc		
TFE		g/100cc		



# VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 Analysis Date(s): 3/16/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0705	0.0738	0.0033	0.0721	0.0002	0.0722
(g/100cc)	0.0707	0.0740	0.0033	0.0723	0.0002	0.0722

# **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	Reporting of Results Uncertainty of Measurement (UM%): 5.00%					
Overall Mean (g/100cc)	Low	High	5% of Mean			
0.072	0.068	0.076	0.004			
R						
	0.072					

Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

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

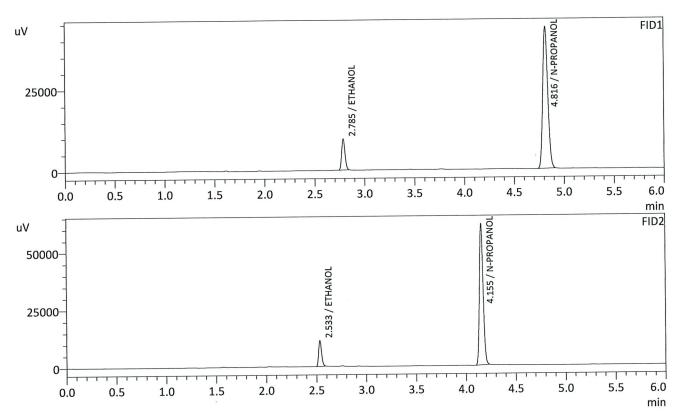
: QC-1-1-A

Sample Name Vial # Data Filename

: 9 : QC-1-1-A\_3162021\_009.gcd : ALCOHOL.gcm

Method Filename

Batch Filename Date Acquired Date Processed : 3-16-21 batch post 2.gcb : 3/16/2021 1:05:34 PM : 3/18/2021 9:22:01 AM



FID1Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0705	g/100cc	22215	9468
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	151919	43300
DFE		g/100cc		
TFE		g/100cc		

FID2Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
FTHANOL	0.0738	g/100cc	22656	11176
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	161828	61248
DFE		g/100cc		
TFE		g/100cc		



: QC-1-1-B

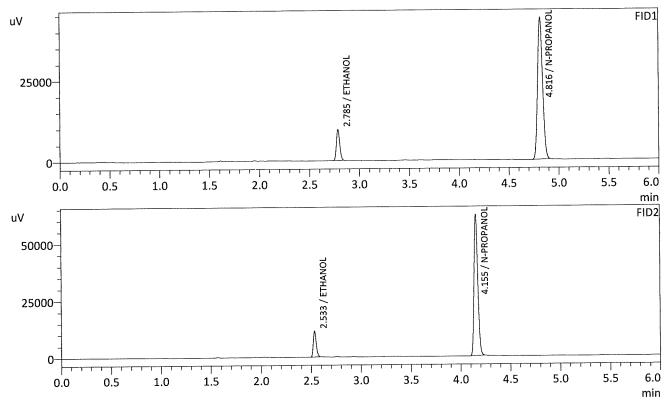
: 10

: QC-1-1-B\_3162021\_010.gcd : ALCOHOL.gcm

Sample Name Vial # Data Filename Method Filename

Batch Filename Date Acquired Date Processed : 3-16-21 batch post 2.gcb : 3/16/2021 1:14:48 PM

: 3/18/2021 9:22:02 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		**
ETHANOL	0.0707	g/100cc	22495	9563
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	153337	43628
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0740	g/100cc	22915	11309
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		mw
N-PROPANOL	0.0000	g/100cc	163235	61747
DFE		g/100cc		
TFE	b. 00	g/100cc	***	



# **VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.080 QA

Analysis Date(s): 3/16/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0773	0.0799	0.0026	0.0786	0.0009	0.0790
(g/100cc)	0.0785	0.0806	0.0021	0.0795	0.0009	0.0790

# **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	ty of Measurer	ment (UM%): 5.00%	
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004
R			

Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020 Issuing Authority: Quality Manager

: 0.08 QA - A

: 11

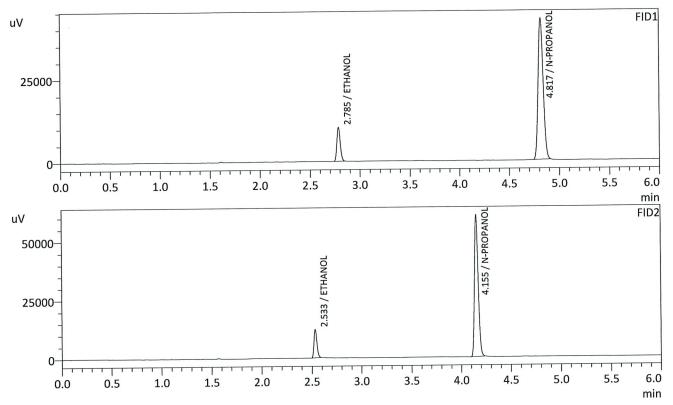
: 0.08 QA - A\_3162021\_011.gcd

Sample Name Vial # Data Filename Method Filename

: ALCOHOL.gcm

Batch Filename Date Acquired Date Processed : 3-16-21 batch post 2.gcb : 3/16/2021 1:23:39 PM

: 3/18/2021 9:22:03 AM



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0773	g/100cc	23945	10176
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	149330	42351
DFE		g/100cc		
TFE		g/100cc		

FID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0799	g/100cc	24253	12000
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	158685	60208
DFE		g/100cc		
TFE		g/100cc		



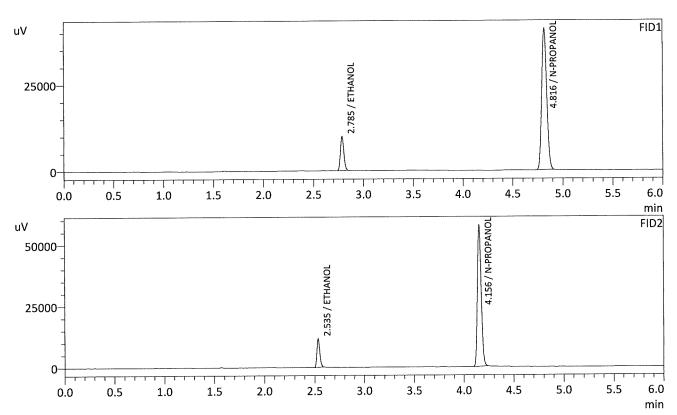
: 0.08 QA - B

Sample Name Vial # Data Filename

Method Filename Batch Filename

Date Acquired Date Processed

: 0.08 QA - B : 12 : 0.08 QA - B\_3162021\_012.gcd : ALCOHOL.gcm : 3-16-21 batch post 2.gcb : 3/16/2021 1:32:34 PM : 3/18/2021 9:22:04 AM



·WI		1	A	طحات المات
Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.0785	g/100cc	23262	9865
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	142827	40704
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height	
ACETALDEHYDE		g/100cc			
METHANOL		g/100cc			
ETHANOL	0.0806	g/100cc	23439	11540	
ACETONE		g/100cc			
ISOPROPYL ALCOHOL		g/100cc			
N-PROPANOL	0.0000	g/100cc	151692	57630	
DFE		g/100cc			
TFE		g/100cc			



# VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 3/16/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2024	0.2014	0.0010	0.2019	0.0020	0.2009
(g/100cc)	0.2005	0.1993	0.0012	0.1999	0.0020	0.2009

# **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	ing of Results Uncertainty of Measurement (UM%): 5.00%			
Overall Mean (g/100cc)	Low	High	5% of Mean	
0.200	0.190	0.210	0.010	

Reported Result	
0.200	

Page: 1 of 1

Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020 Issuing Authority: Quality Manager

: QC-2-1-A

: 31

Sample Name Vial # Data Filename Method Filename

Batch Filename Date Acquired Date Processed : QC-2-1-A\_3162021\_031.gcd : ALCOHOL.gcm : 3-16-21 batch post 2.gcb : 3/16/2021 4:20:47 PM : 3/18/2021 9:22:27 AM

FID1 uV 25000-6.0 4.0 4.5 5.0 5.5 2.5 3.0 3.5 2.0 0.0 0.5 1.0 1.5 min FID2 2.536 / ETHANOL 4.159 / N-PROPANOL uV 50000 25000 6.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 2.0 1.5 0.5 1.0 0.0

FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2024	g/100cc	64817	27648
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	154343	43860
DFE		g/100cc		
TFE		g/100cc		

FID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.2014	g/100cc	66962	33448
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	162562	61355
DFE		g/100cc		
TFE		g/100cc		



min

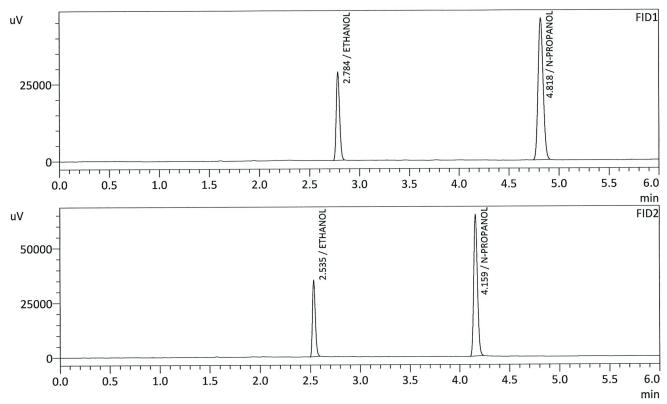
Sample Name Vial # Data Filename

: QC-2-1-B

: 32 : QC-2-1-B\_3162021\_032.gcd

Method Filename

**Batch Filename** Date Acquired Date Processed : ALCOHOL.gcm : 3-16-21 batch post 2.gcb : 3/16/2021 4:29:47 PM : 3/18/2021 9:22:28 AM



FID1 Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL	0.2005	g/100cc	67096	28603
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	161297	45977
DFE		g/100cc		
TFE		g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.1993	g/100cc	69545	34346
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	170633	64337
DFE ·		g/100cc		
TFE		g/100cc		



# **VOLATILES DETERMINATION CASEFILE WORKSHEET**

**Laboratory No.: QC1-2** 

Analysis Date(s): 3/16/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0729	0.0757	0.0028	0.0743	0.0002	0.0742
(g/100cc)	0.0729	0.0754	0.0025	0.0741	0.0002	0.0742

# **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	Uncertain	ty of Measure	ment (UM%): 5.00%
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	0.070	0.078	0.004

Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Volatiles Determination Casefile Worksheet

Page: 1 of 1

: QC1-2-A : 53

Sample Name Vial # Data Filename

: QC1-2-A\_3162021\_053.gcd : ALCOHOL.gcm

Method Filename

Batch Filename Date Acquired Date Processed : 3-16-21 batch post 2.gcb : 3/16/2021 7:36:05 PM : 3/18/2021 9:22:54 AM

FID1 4.817 / N-PROPANOL u۷ 2.786 / ETHANOL 25000-5.5 6.0 3.5 4.0 4.5 5.0 2.5 3.0 0.5 1.0 1.5 2.0 0.0 min FID2 4.158 / N-PROPANOL uV 50000-25000 4.0 4.5 5.0 5.5 6.0 2.5 3.5 2.0 3.0 0.0 0.5 1.0 1.5 min

FID1Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		,
ETHANOL	0.0729	g/100cc	24554	10366
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	162374	46411
DFE		g/100cc		
TFE		g/100cc		

-ID2 Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0757	g/100cc	24782	12276
ACETONE		g/100cc		**
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	172150	64919
DFE		g/100cc		
TFE		g/100cc		

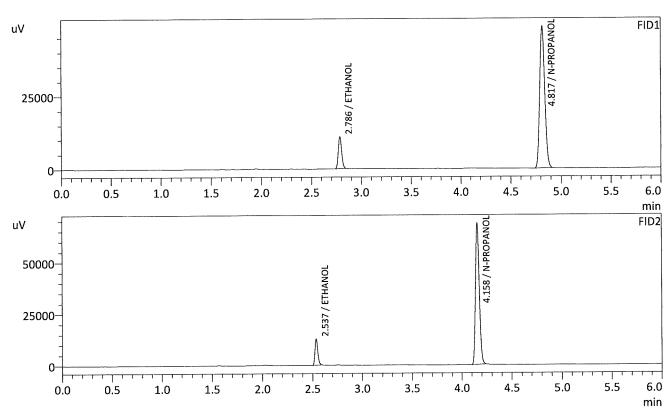


: QC1-2-B

: 54 : QC1-2-B\_3162021\_054.gcd : ALCOHOL.gcm

Sample Name Vial # Data Filename Method Filename

Batch Filename Date Acquired Date Processed : 3-16-21 batch post 2.gcb : 3/16/2021 7:45:04 PM : 3/18/2021 9:22:55 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE	***	g/100cc		
ETHANOL	0.0729	g/100cc	25660	10819
ISOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	169507	48433
DFE	**	g/100cc	**	
TFE	**	g/100cc		

Name	Conc.	Unit	Area	Height
ACETALDEHYDE		g/100cc		
METHANOL		g/100cc		
ETHANOL	0.0754	g/100cc	25800	12807
ACETONE		g/100cc		
ISOPROPYL ALCOHOL		g/100cc		
N-PROPANOL	0.0000	g/100cc	179981	67870
DFE		g/100cc		
TFE		g/100cc		



: INT STD BLK 3

: 55

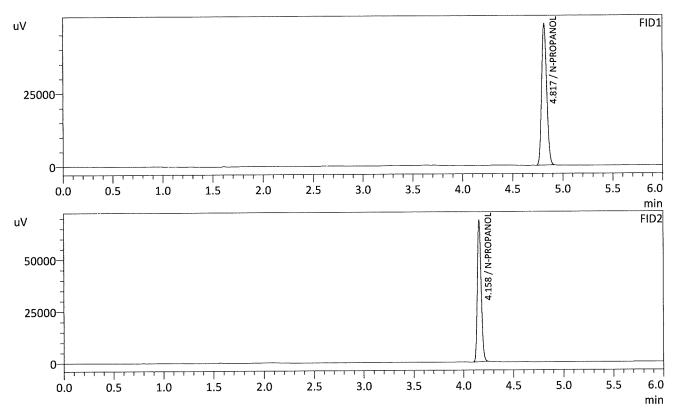
Sample Name Vial # Data Filename Method Filename

: INT STD BLK 3\_3162021\_055.gcd : ALCOHOL.gcm

Batch Filename

Date Acquired Date Processed

: 3-16-21 batch post 2.gcb : 3/16/2021 7:53:47 PM : 3/18/2021 9:22:56 AM



Name	Conc.	Unit	Area	Height
METHANOL		g/100cc		
ACETALDEHYDE		g/100cc		
ETHANOL		g/100cc		
SOPROPYL ALCOHOL		g/100cc		
ACETONE		g/100cc		
N-PROPANOL	0.0000	g/100cc	168589	48321
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	179297	67867
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_3162021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_3162021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_3162021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_3162021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_3162021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_3162021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_3162021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_3162021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_3162021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_3162021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_3162021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_3162021_012.gcd	0
13	P2021-0443-1-A	0:Unknown	ALCOHOL.gcm	P2021-0443-1-A_3162021_013.gcd	0
14	P2021-0443-1-B	0:Unknown	ALCOHOL.gcm	P2021-0443-1-B_3162021_014.gcd	0
15	P2021-0443-2-A	0:Unknown	ALCOHOL.gcm	P2021-0443-2-A_3162021_015.gcd	0
16	P2021-0443-2-B	0:Unknown	ALCOHOL.gcm	P2021-0443-2-B_3162021_016.gcd	0
17	P2021-0443-3-A	0:Unknown	ALCOHOL.gcm	P2021-0443-3-A_3162021_017.gcd	0
18	P2021-0443-3-B	0:Unknown	ALCOHOL.gcm	P2021-0443-3-B_3162021_018.gcd	0
19	P2021-0443-4-A	0:Unknown	ALCOHOL.gcm	P2021-0443-4-A_3162021_019.gcd	0
20	P2021-0443-4-B	0:Unknown	ALCOHOL.gcm	P2021-0443-4-B_3162021_020.gcd	0
21	P2021-0522-1-A	0:Unknown	ALCOHOL.gcm	P2021-0522-1-A_3162021_021.gcd	0
22	P2021-0522-1-B	0:Unknown	ALCOHOL.gcm	P2021-0522-1-B_3162021_022.gcd	0
23	P2021-0565-1-A	0:Unknown	ALCOHOL.gcm	P2021-0565-1-A_3162021_023.gcd	
24	P2021-0565-1-B	0:Unknown	ALCOHOL.gcm	P2021-0565-1-B_3162021_024.gcd	
25	P2021-0566-1-A	0:Unknown	ALCOHOL.gcm	P2021-0566-1-A_3162021_025.gcd	
26	P2021-0566-1-B	0:Unknown	ALCOHOL.gcm	P2021-0566-1-B_3162021_026.gcd	
27	P2021-0568-1-A	0:Unknown	ALCOHOL.gcm	P2021-0568-1-A_3162021_027.gcd	
28	P2021-0568-1-B	0:Unknown	ALCOHOL.gcm	P2021-0568-1-B_3162021_028.gcd	
29	P2021-0578-1-A	0:Unknown	ALCOHOL.gcm	P2021-0578-1-A_3162021_029.gcd	0
30	P2021-0578-1-B	0:Unknown	ALCOHOL.gcm	P2021-0578-1-B_3162021_030.gcd	
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_3162021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_3162021_032.gcd	
33	P2021-06091A	0:Unknown	ALCOHOL.gcm	P2021-06091A_3162021_033.gcd	
34	P2021-0609-1-B	0:Unknown	ALCOHOL.gcm	P2021-0609-1-B_3162021_034.gcd	
35	P2021-0611-1-A	0:Unknown	ALCOHOL.gcm	P2021-0611-1-A_3162021_035.gcd	
36	P2021-0611-1-B	0:Unknown	ALCOHOL.gcm	P2021-0611-1-B_3162021_036.gcd	
37	P2021-0612-1-A	0:Unknown	ALCOHOL.gcm	P2021-0612-1-A_3162021_037.gcd	
38	P2021-0612-1-B	0:Unknown	ALCOHOL.gcm	P2021-0612-1-B_3162021_038.gcd	
39	P2021-0625-1-A	0:Unknown	ALCOHOL.gcm	P2021-0625-1-A_3162021_039.gcd	
40	P2021-0625-1-B	0:Unknown	ALCOHOL.gcm	P2021-0625-1-B_3162021_040.gcd	
41	P2021-0665-1-A	0:Unknown	ALCOHOL.gcm	P2021-0665-1-A_3162021_041.gcd	
42	P2021-0665-1-B	0:Unknown	ALCOHOL.gcm		
43	P2021-0671-1-A	0:Unknown	ALCOHOL.gcm		
44	P2021-0671-1-B	0:Unknown	ALCOHOL.gcm		
45	P2021-0672-1-A	0:Unknown	ALCOHOL.gcm		
46	P2021-0672-1-B	0:Unknown	ALCOHOL.gcm		
47	P2021-0674-1-A	0:Unknown	ALCOHOL.gcm		
48	P2021-0674-1-B	0:Unknown	ALCOHOL.gcm		
49	P2021-0675-1-A	0:Unknown	ALCOHOL.gcm		
50	P2021-0675-1-B	0:Unknown	ALCOHOL.gcm		+
51	P2021-0707-1-A	0:Unknown	ALCOHOL.gcm		
52	P2021-0707-1-B	0:Unknown	ALCOHOL.gcm	P2021-0707-1-B_3162021_052.gcd	0

K

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_3162021_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_3162021_054.gcd	0
55	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_3162021_055.gcd	0