2/21/2021

Worklist: 4796

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2021-0163	1	BCK	Alcohol Analysis
P2021-0171	1	BCK	Alcohol Analysis
P2021-0219	1	BCK	Alcohol Analysis
P2021-0220	1	BCK	Alcohol Analysis
P2021-0223	1	BCK	Alcohol Analysis
P2021-0248	1	BCK	Alcohol Analysis
P2021-0249	1	BCK	Alcohol Analysis
P2021-0259	1	BCK	Alcohol Analysis
P2021-0261	1	BCK	Alcohol Analysis
P2021-0264	1	BCK	Alcohol Analysis
P2021-0265	1	BCK	Alcohol Analysis
P2021-0273	1	BCK	Alcohol Analysis
P2021-0297	1	BCK	Alcohol Analysis
P2021-0298	1	BCK	Alcohol Analysis
P2021-0316	1	BCK	Alcohol Analysis

REVIEWED
By Jeremy Johnston at 8:03 am, Feb 25, 2021

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): 2/20/21**

Calibration curve ran 2/20/21

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0768 g/100cc
					0.0783 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2069 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:			**Lot #**	FN07101701	ok
Curve Fit:		**Column 1**	0.99948	**Column2**	0.99943

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0544	0.0552	0.0008	0.0548
100	0.100	0.090 - 0.110	0.1023	0.1018	0.0005	0.102
200	0.200	0.180 - 0.220	0.1951	0.1945	0.0006	0.1948
300	0.300	0.270 - 0.330	0.2925	0.2926	0.0001	0.2925
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5054	0.5056	0.0002	0.5055

Aqueous Controls

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

AC

Revision: 2
Issue Date: 12/23/2019
Issuing Authority: Quality Manager

Calibration Table

Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Data File>>
Method File :C:\LabSolutions\Data\MASTER\ALCOHOL.gcm
Batch File :C:\LabSolutions\Data\2-20-21 rc\2-20-21 post run curve.gcb
Date Acquired :2/20/2021 1:56:02 PM
Date Created :2/20/2021 1:53:38 PM
Date Modified :2/20/2021 2:48:01 PM

Not Ready

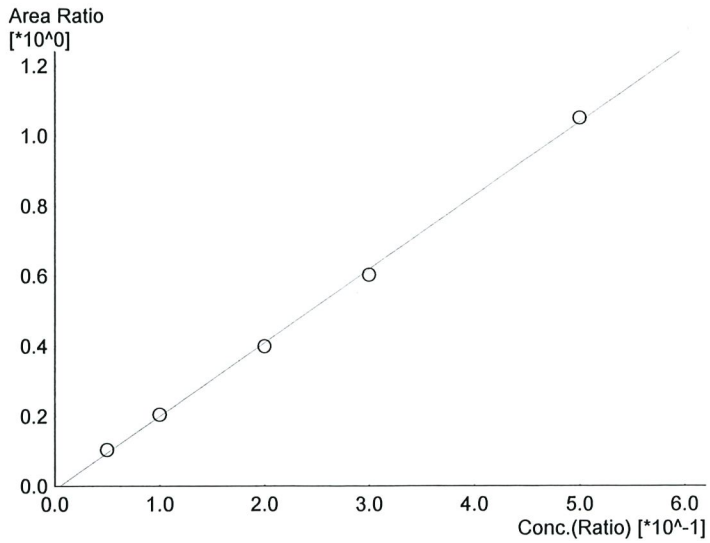
Name : METHANOL
Detector Name: FID1
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

Name : ACETALDEHYDE
Detector Name: FID1
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : ETHANOL
Detector Name: FID1
Function : f(x)=2.09861*x-0.0108863
Linearity=0.9994750
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	13929	0.0544
2	0.100	29748	0.1023
3	0.200	60028	0.1951
4	0.300	91514	0.2925
5	0.500	156518	0.5054

Not Ready

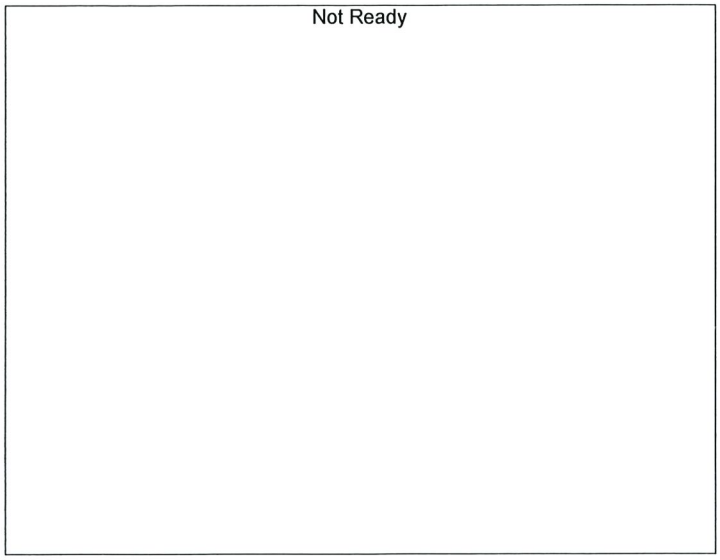
Name : ISOPROPYL ALCOHOL
Detector Name: FID1
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

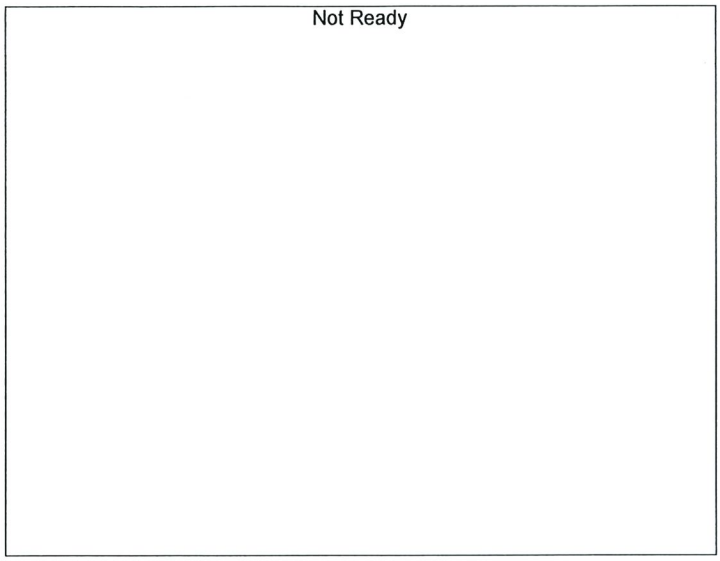
Name : ACETONE
Detector Name: FID1
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



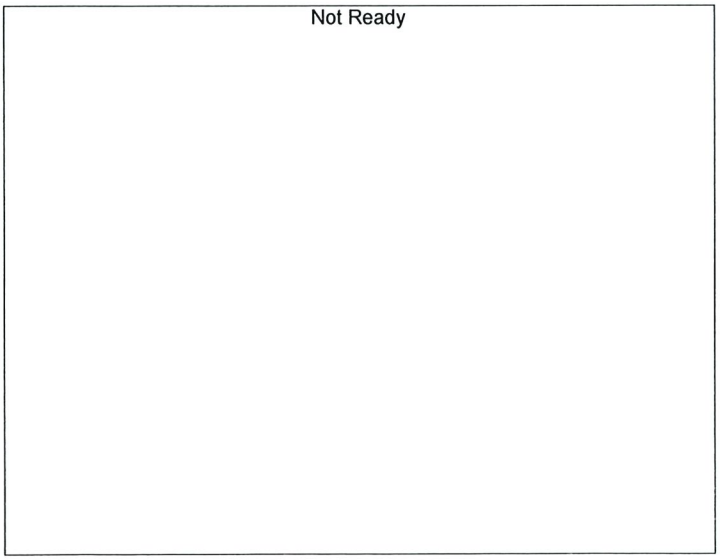
Name : DFE
Detector Name: FID1
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



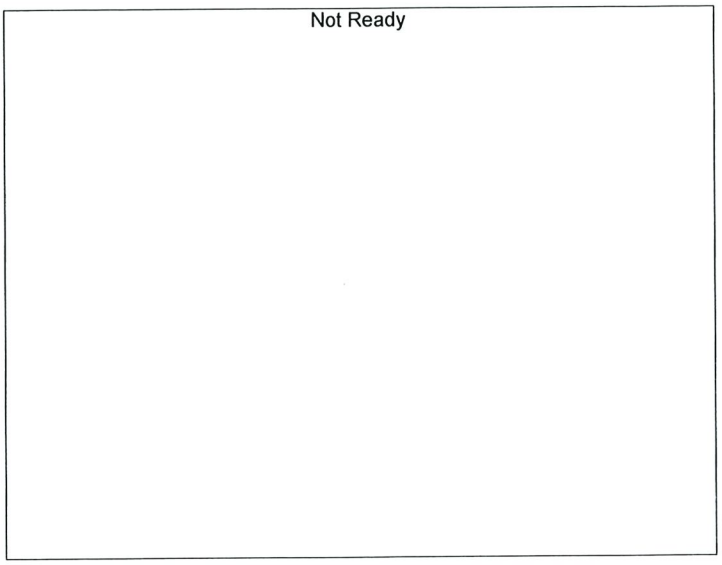
Name : TFE
Detector Name: FID1
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



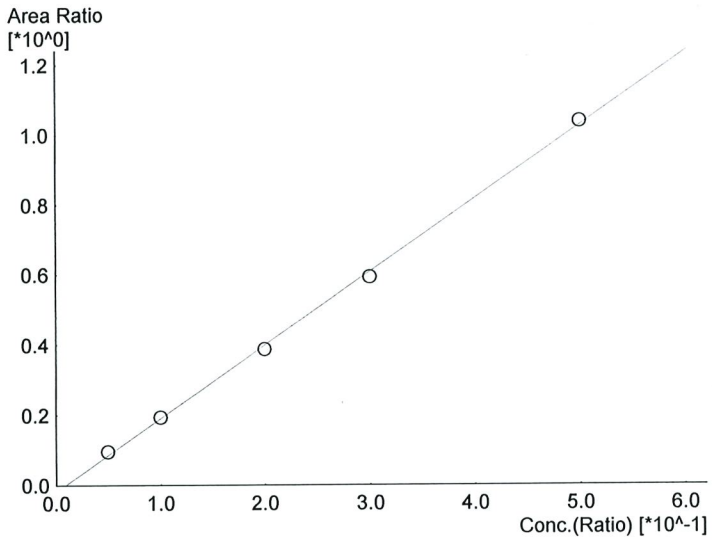
Name : ACETALDEHYDE
Detector Name: FID2
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



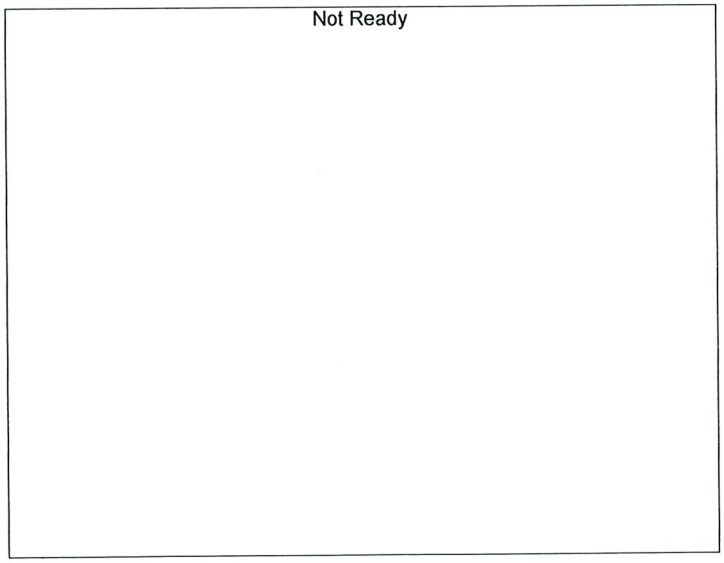
Name : METHANOL
Detector Name: FID2
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



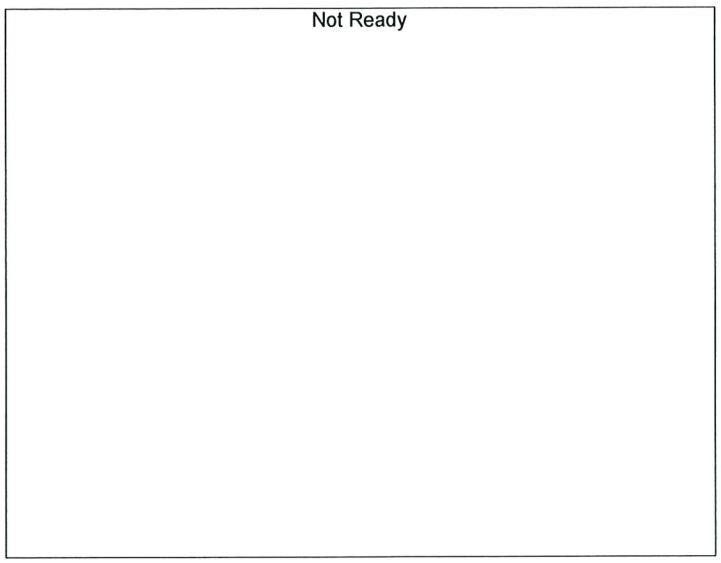
Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.08982*x-0.0190698
Linearity=0.9994262
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	14290	0.0552
2	0.100	30973	0.1018
3	0.200	63757	0.1945
4	0.300	97636	0.2926
5	0.500	167028	0.5056



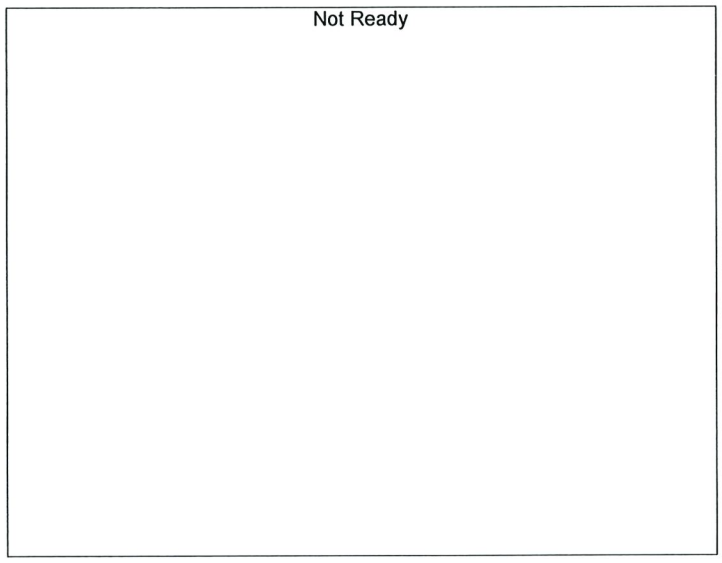
Name : ACETONE
Detector Name: FID2
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



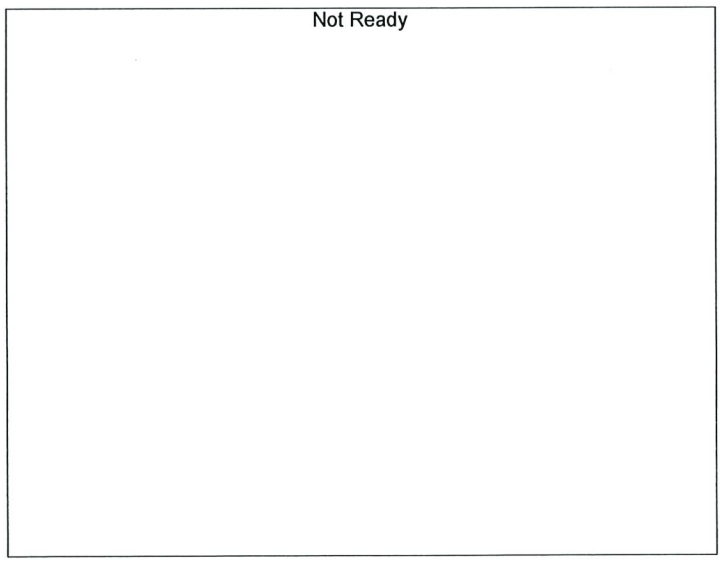
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : DFE
Detector Name: FID2
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

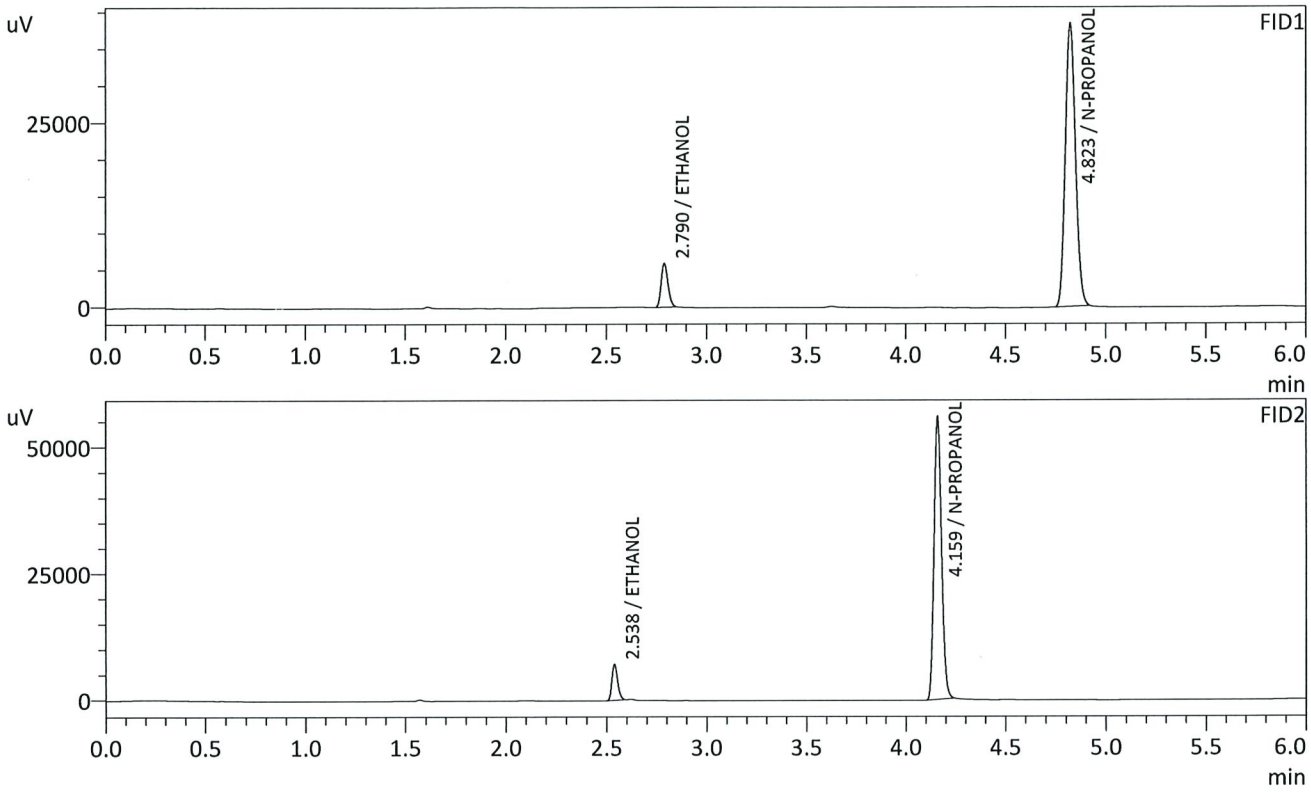


Name : TFE
Detector Name: FID2
Function : f(x)=0*x+0
Linearity=0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

RC

Sample Name	: 0.050
Vial #	: 1
Data Filename	: 0.050_2202021_001.gcd
Method Filename	: ALCOHOL.gcm
Batch Filename	: 2-20-21 post run curve.gcb
Date Acquired	: 2/20/2021 1:21:06 PM
Date Processed	: 2/21/2021 9:28:03 AM



FID1

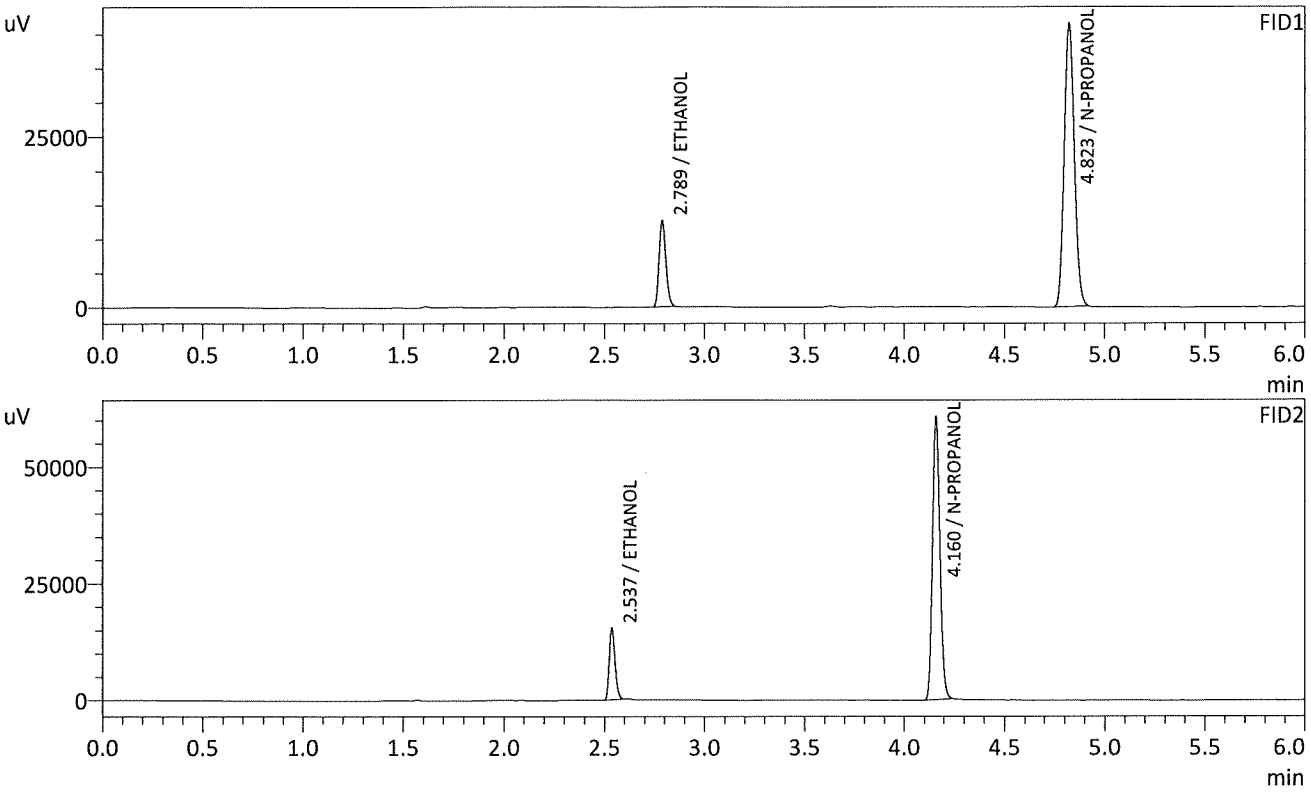
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0544	g/100cc	13929	5894
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	134765	38430
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0552	g/100cc	14290	7070
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	148244	55677
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JRC

Sample Name : 0.100
Vial # : 2
Data Filename : 0.100_2202021_002.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 1:29:46 PM
Date Processed : 2/21/2021 9:41:59 AM



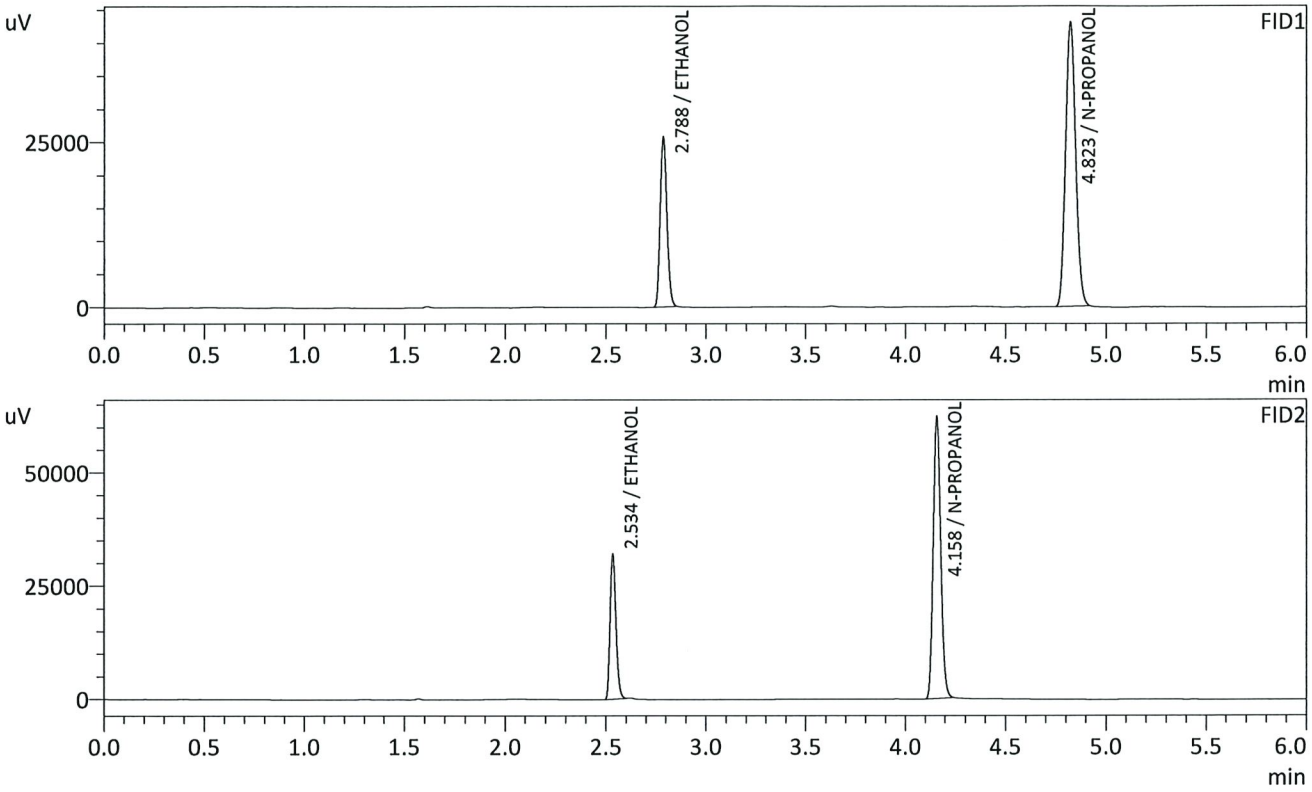
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1023	g/100cc	29748	12637
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	145881	41492
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1018	g/100cc	30973	15419
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159828	60510
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.200
Vial # : 3
Data Filename : 0.200_2202021_003.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 1:38:35 PM
Date Processed : 2/21/2021 9:42:01 AM



FID1

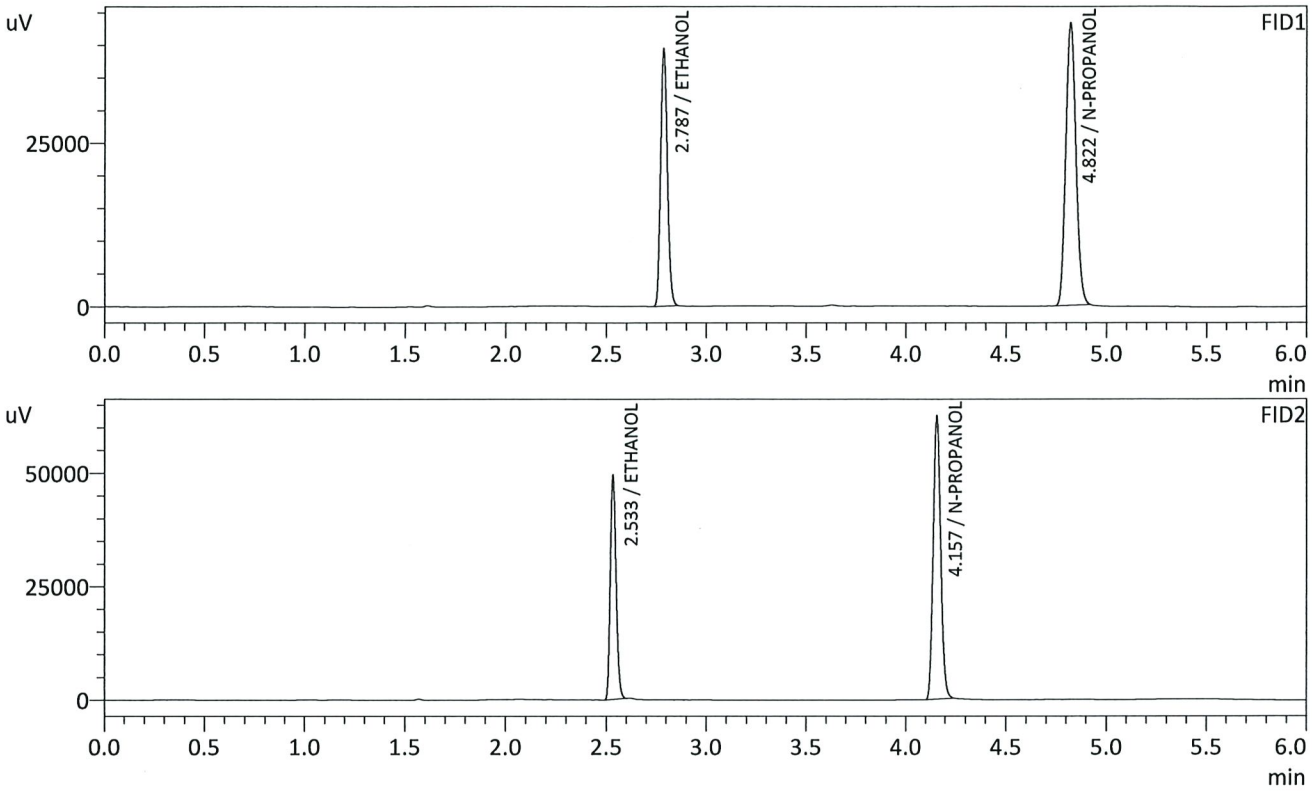
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1951	g/100cc	60028	25581
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	150542	42917
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1945	g/100cc	63757	31588
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164540	61719
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

KC

Sample Name : 0.300
Vial # : 4
Data Filename : 0.300_2202021_004.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 1:47:30 PM
Date Processed : 2/21/2021 9:42:03 AM



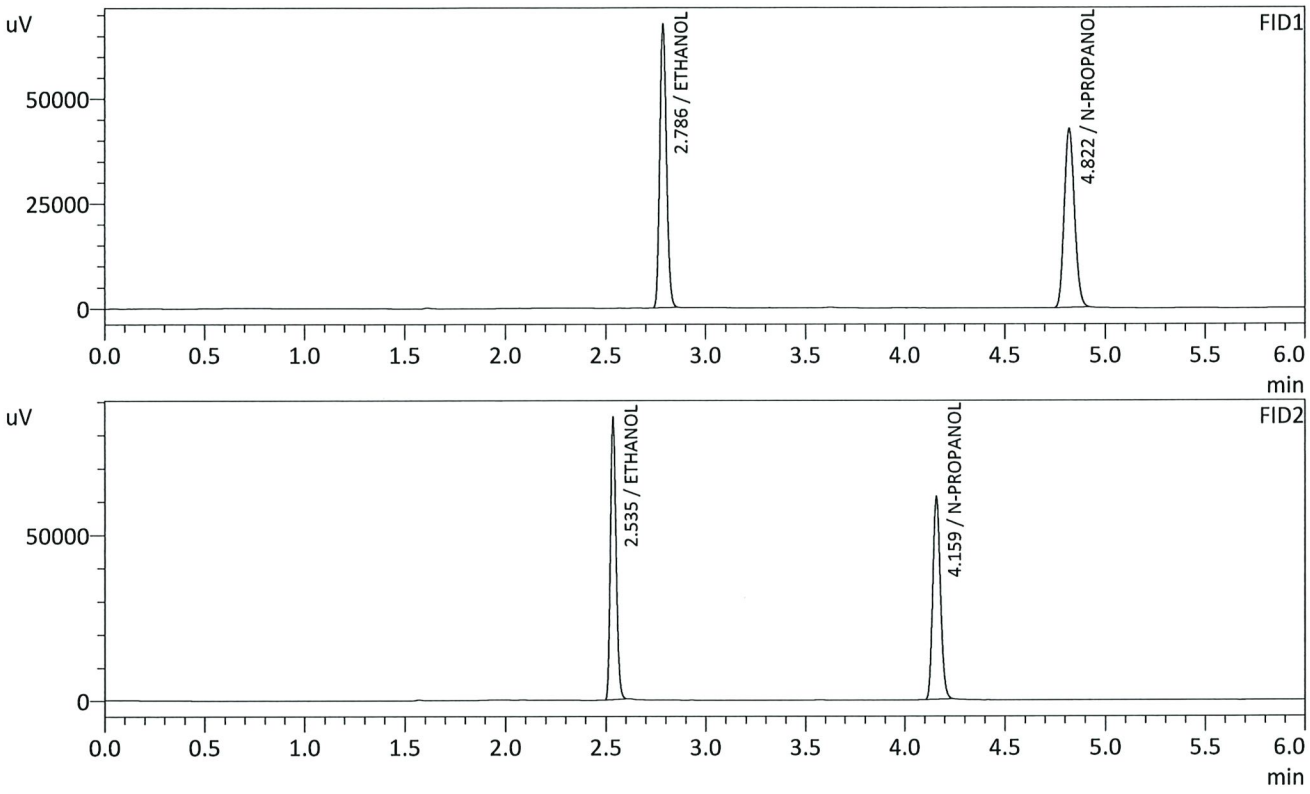
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2925	g/100cc	91514	38872
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151764	43142
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2926	g/100cc	97636	49117
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164774	62178
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.500
Vial # : 5
Data Filename : 0.500_2202021_005.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 1:56:02 PM
Date Processed : 2/21/2021 9:28:08 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5054	g/100cc	156518	66754
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	149071	42548
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5056	g/100cc	167028	83952
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160956	60649
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1-1 **Analysis Date(s): 2/20/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0767	0.0770	0.0003	0.0768	0.0001	0.0768
(g/100cc)	0.0767	0.0771	0.0004	0.0769		

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

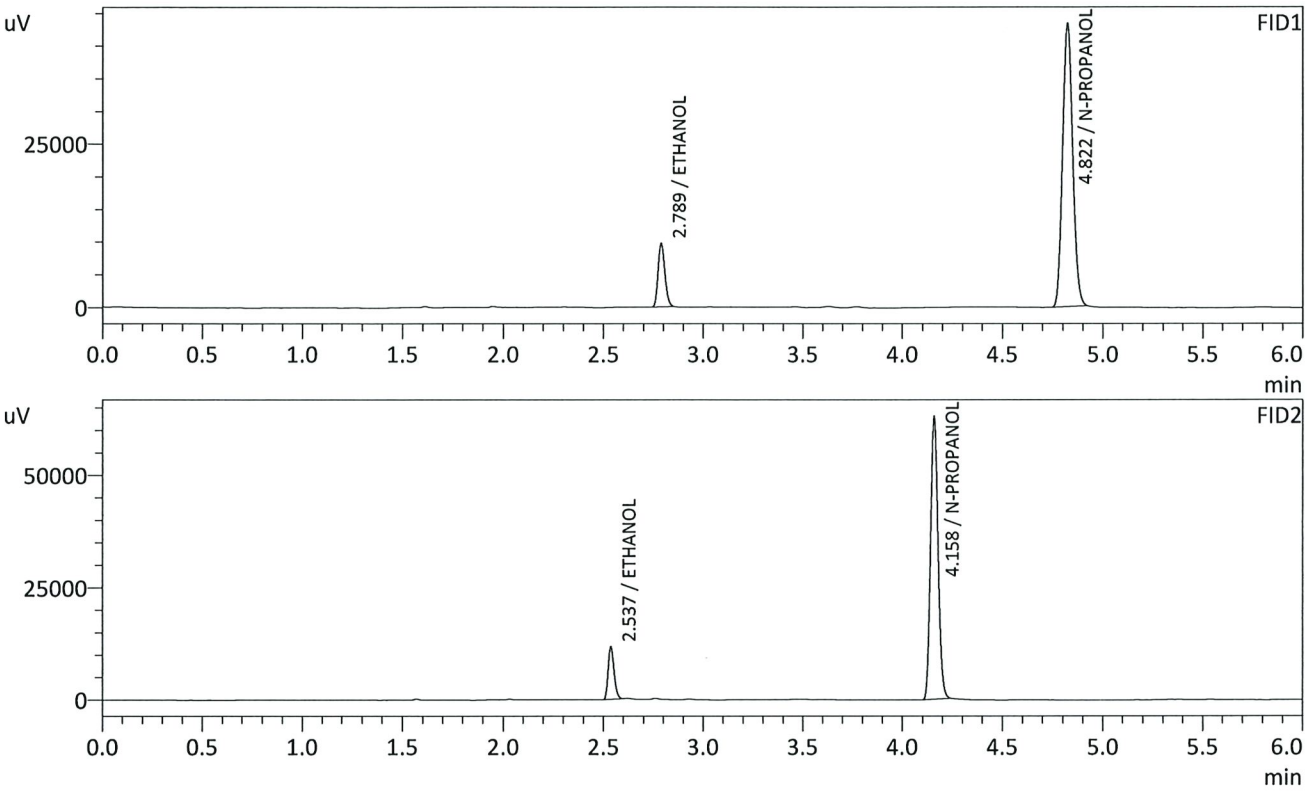
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

	Reported Result	
	0.076	

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Vial # : 9
Data Filename : QC-1-1-A_2202021_009.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 2:31:35 PM
Date Processed : 2/21/2021 9:28:15 AM



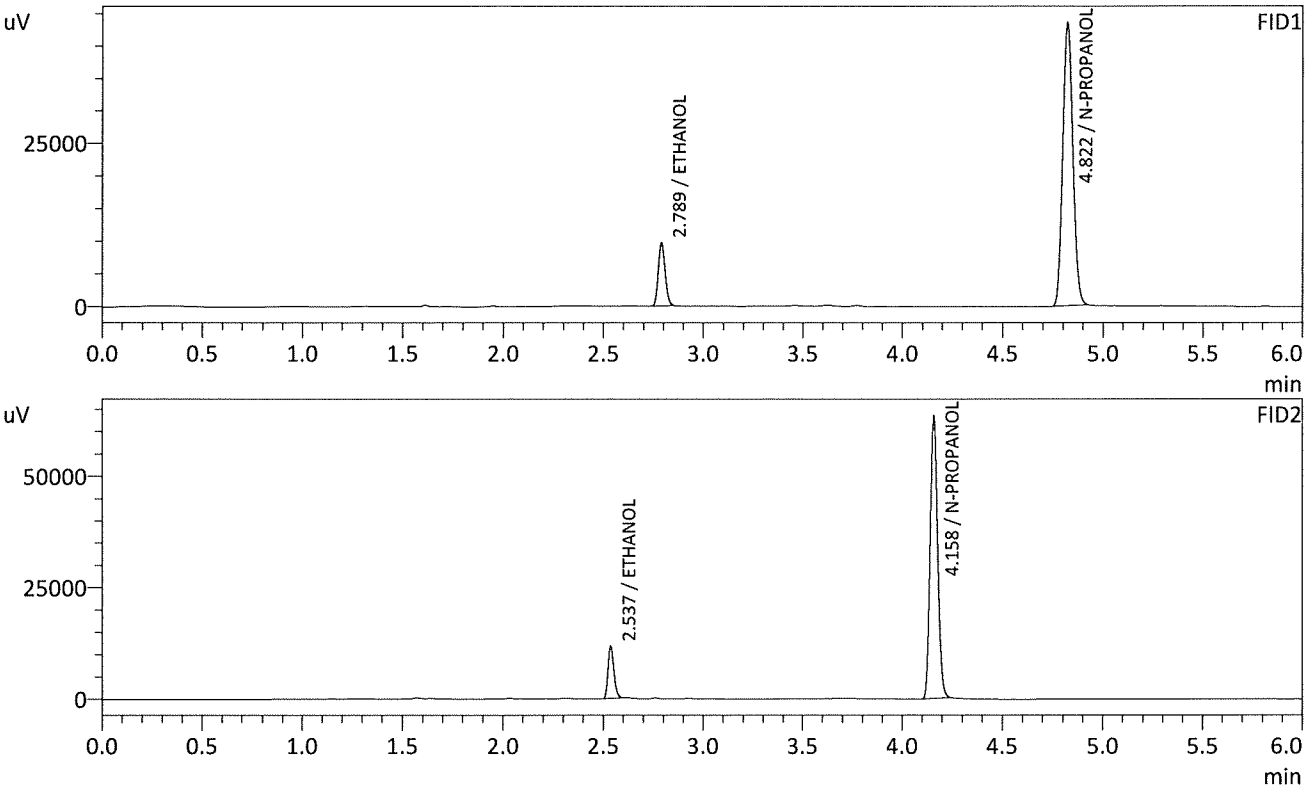
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0767	g/100cc	22739	9647
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151499	43177
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0770	g/100cc	23543	11711
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165850	62427
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC-1-1-B
Vial # : 10
Data Filename : QC-1-1-B_2202021_010.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 2:39:59 PM
Date Processed : 2/21/2021 9:28:17 AM



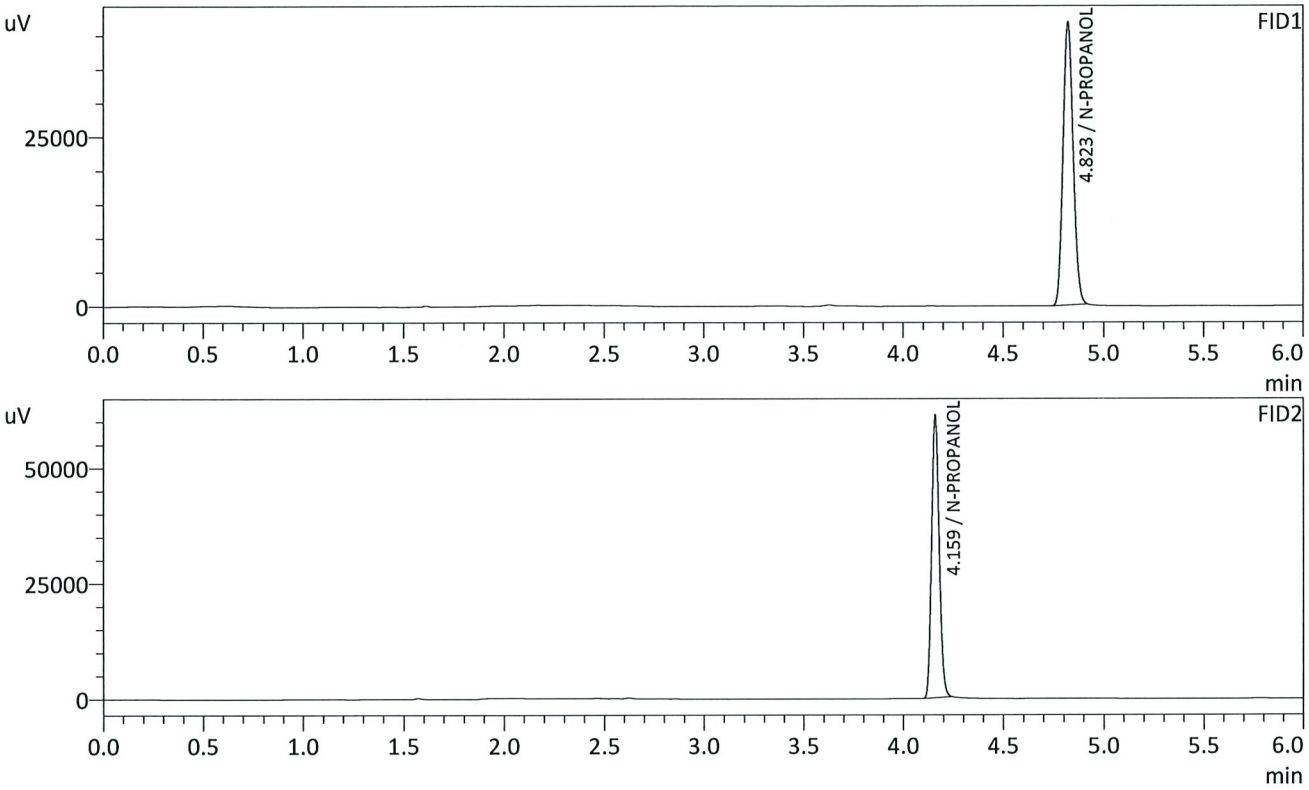
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0767	g/100cc	22842	9673
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152124	43392
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0771	g/100cc	23709	11765
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166773	62882
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 1
Vial # : 6
Data Filename : INT STD BLK 1_2202021_006.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 2:04:44 PM
Date Processed : 2/21/2021 9:28:10 AM



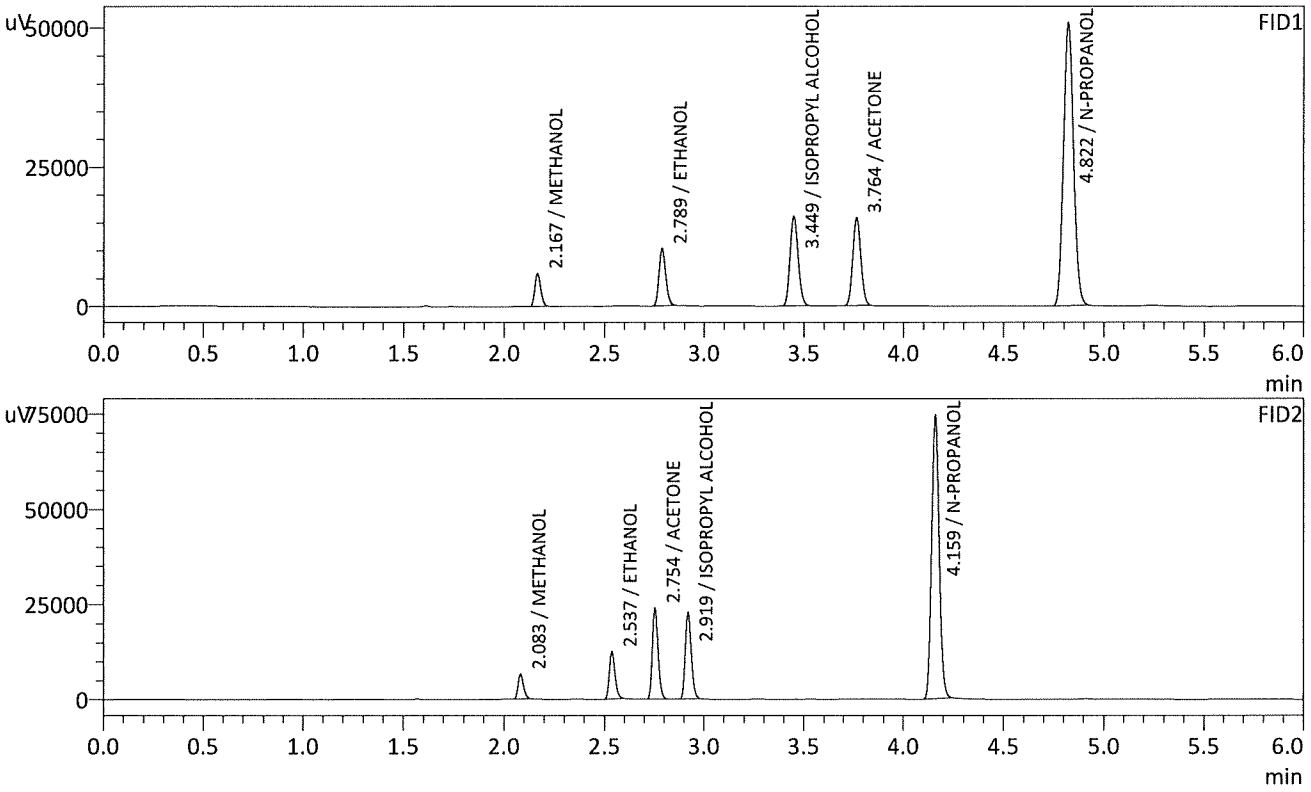
FID1

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	146552	41764
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161205	60705
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX
Vial # : 7
Data Filename : MULTI-COMP MIX_2202021_007.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 2:13:44 PM
Date Processed : 2/21/2021 9:28:11 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	12086	5844
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0698	g/100cc	24078	10212
ISOPROPYL ALCOHOL	0.0000	g/100cc	45124	15917
ACETONE	0.0000	g/100cc	45273	15701
N-PROPANOL	0.0000	g/100cc	177481	50594
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	12420	6469
ETHANOL	0.0705	g/100cc	24992	12421
ACETONE	0.0000	g/100cc	48384	23656
ISOPROPYL ALCOHOL	0.0000	g/100cc	47822	22679
N-PROPANOL	0.0000	g/100cc	194709	74036
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 2
Vial # : 8
Data Filename : INT STD BLK 2_2202021_008.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 2:22:44 PM
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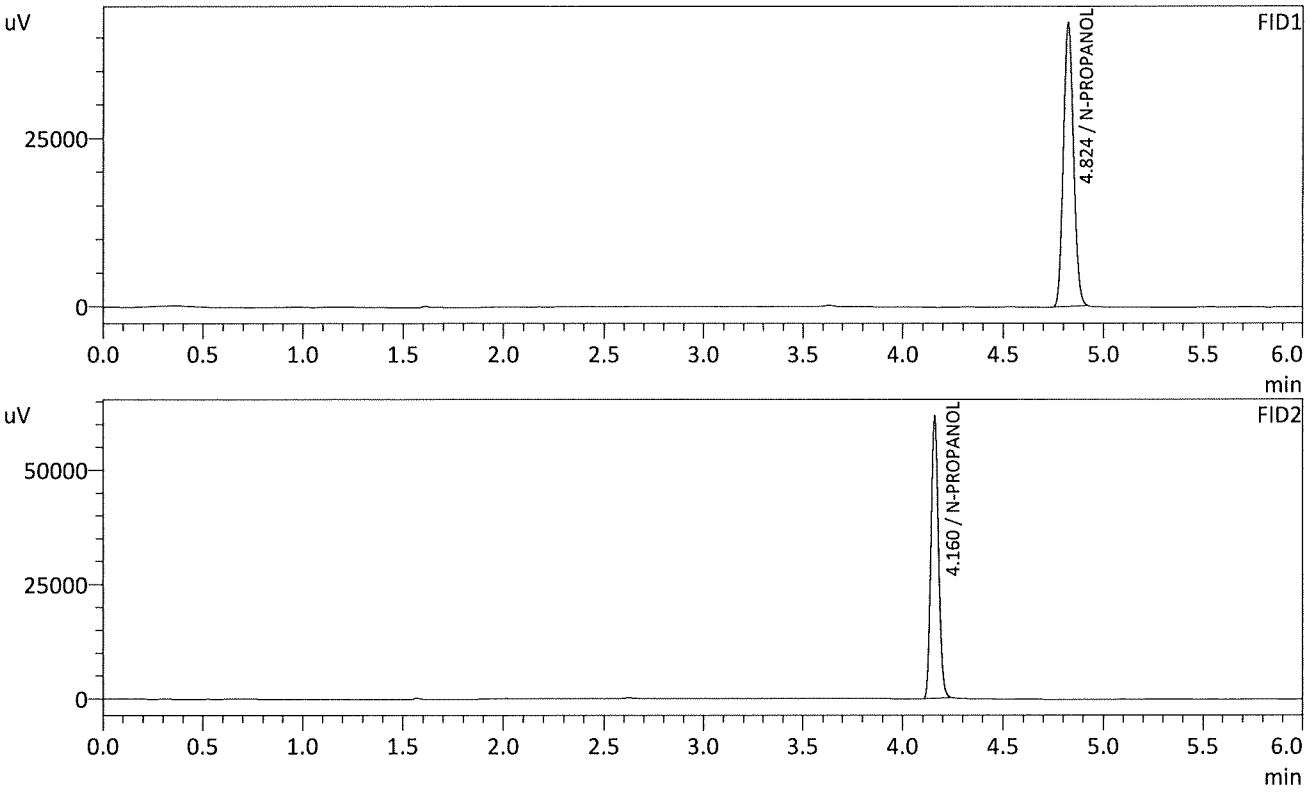


FID1

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	147681	42154
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162200	61580
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Analysis Date(s): 2/20/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0814	0.0819	0.0005	0.0816	0.0002	0.0815
(g/100cc)	0.0812	0.0816	0.0004	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

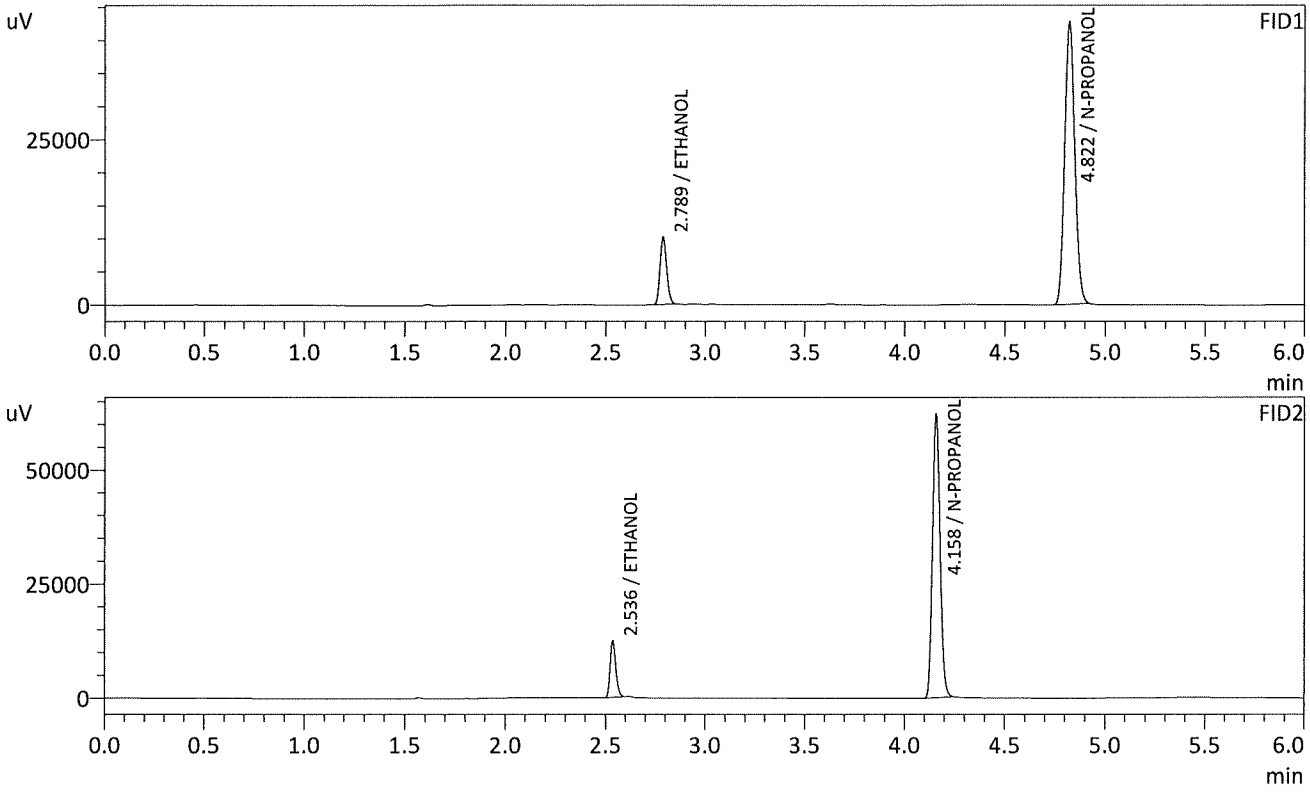
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	**0.076**	**0.086**	**0.005**

Reported Result

0.081

Calibration and control data are stored centrally.

Sample Name : 0.08 QA - A
Vial # : 11
Data Filename : 0.08 QA - A_2202021_011.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 2:49:12 PM
Date Processed : 2/21/2021 9:28:19 AM



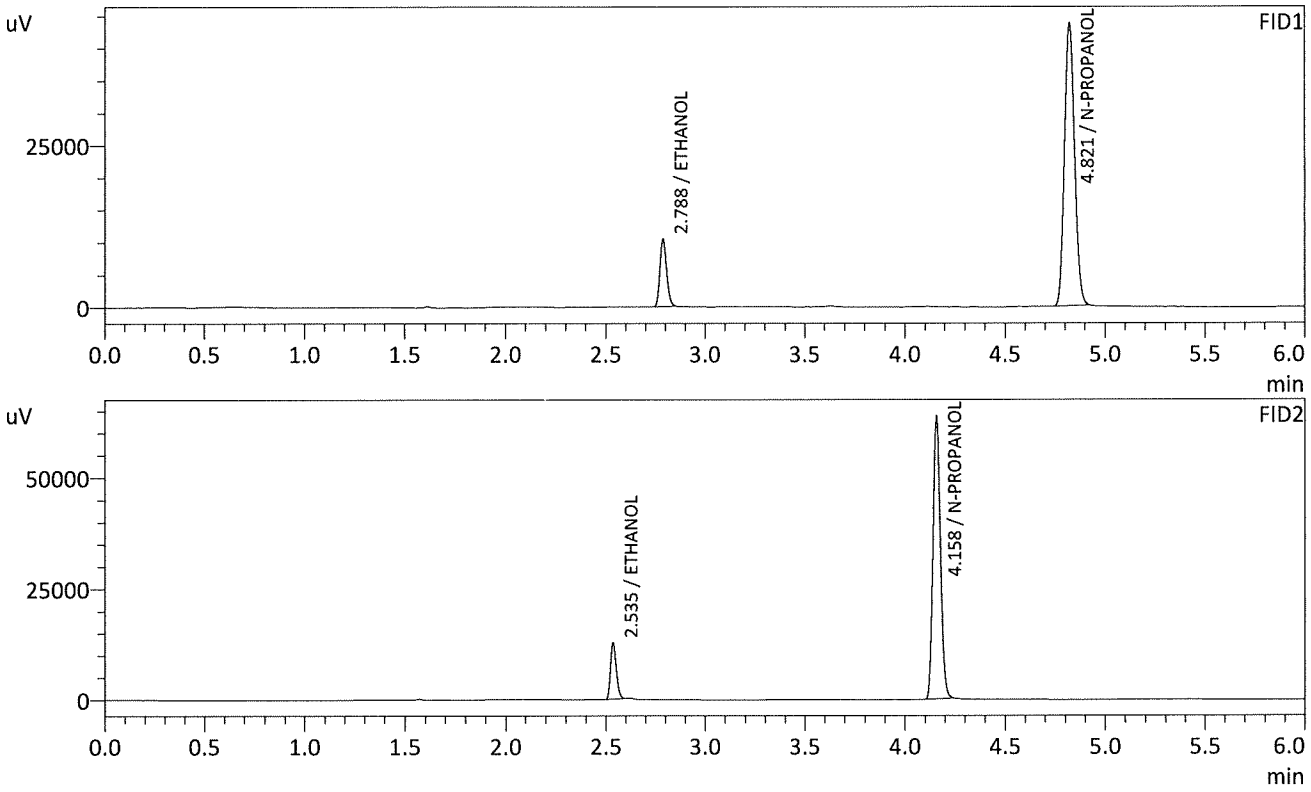
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	23950	10162
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	149636	42622
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	24922	12349
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163677	61691
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name	: 0.08 QA - B
Vial #	: 12
Data Filename	: 0.08 QA - B_2202021_012.gcd
Method Filename	: ALCOHOL.gcm
Batch Filename	: 2-20-21 post run curve.gcb
Date Acquired	: 2/20/2021 2:57:41 PM
Date Processed	: 2/21/2021 9:28:20 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	24456	10373
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153272	43525
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	25428	12583
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167759	63335
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 2/20/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2057	0.2054	0.0003	0.2055	0.0028	0.2069
(g/100cc)	0.2085	0.2082	0.0003	0.2083		

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%**

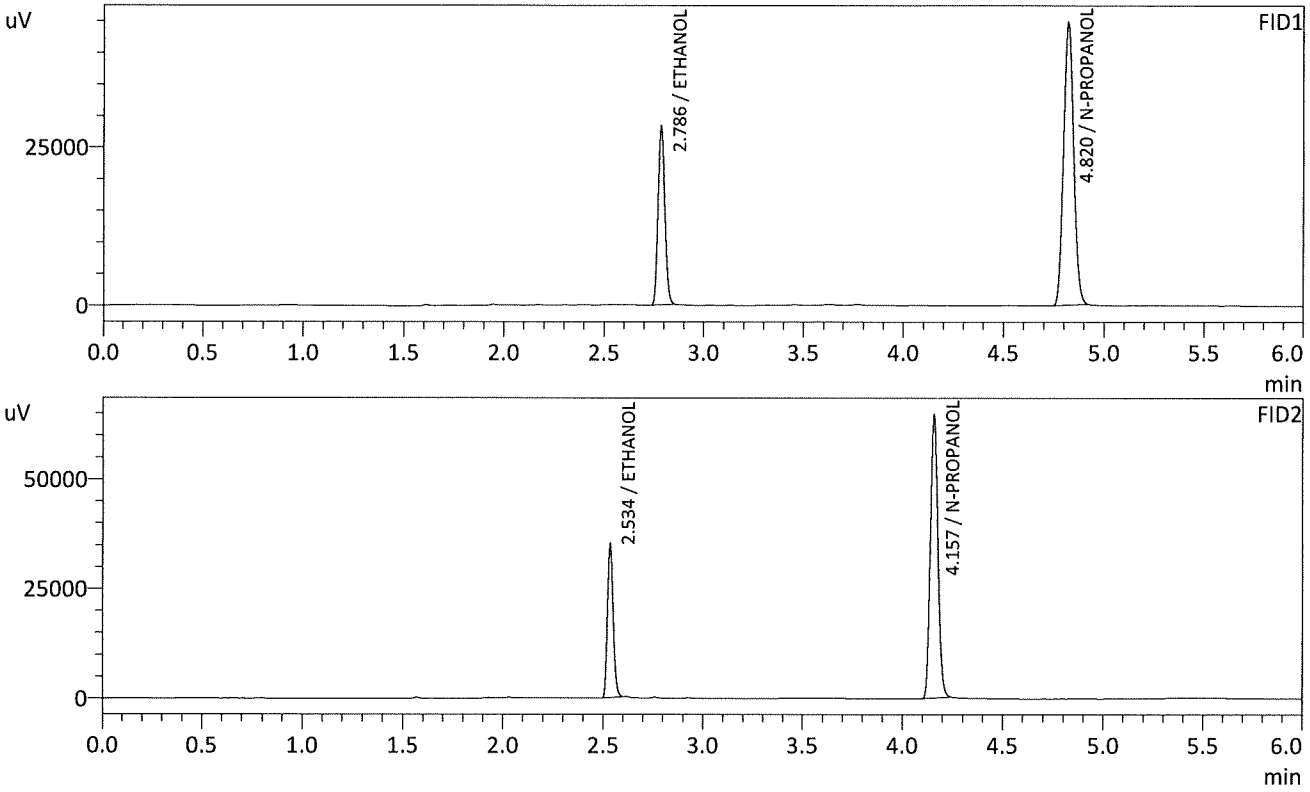
Overall Mean (g/100cc)	Low	High	5% of Mean
0.206	**0.195**	**0.217**	**0.011**

Reported Result

0.206

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Vial # : 31
Data Filename : QC-2-1-A_2202021_031.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 5:44:54 PM
Date Processed : 2/21/2021 9:28:56 AM



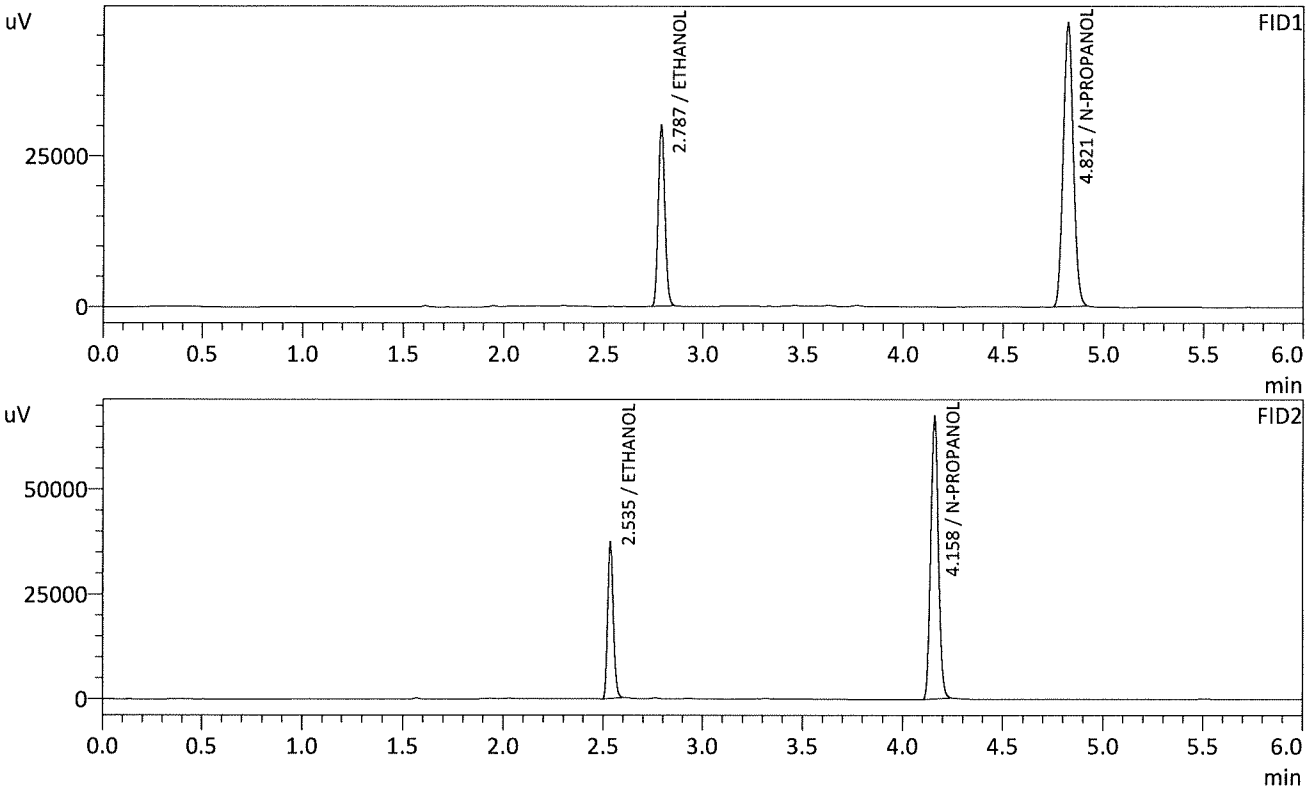
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2057	g/100cc	66174	28038
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157208	44646
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2054	g/100cc	69893	34616
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170392	64235
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC-2-1-B
Vial # : 32
Data Filename : QC-2-1-B_2202021_032.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 5:53:37 PM
Date Processed : 2/21/2021 9:28:58 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2085	g/100cc	70179	29764
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164426	46825
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2082	g/100cc	74095	36987
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178050	66944
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 2/20/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0779	0.0789	0.0010	0.0784	0.0001	0.0783
(g/100cc)	0.0779	0.0787	0.0008	0.0783		

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

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

Sample Name	: QC1-2-A
Vial #	: 45
Data Filename	: QC1-2-A_2202021_045.gcd
Method Filename	: ALCOHOL.gcm
Batch Filename	: 2-20-21 post run curve.gcb
Date Acquired	: 2/20/2021 7:49:19 PM
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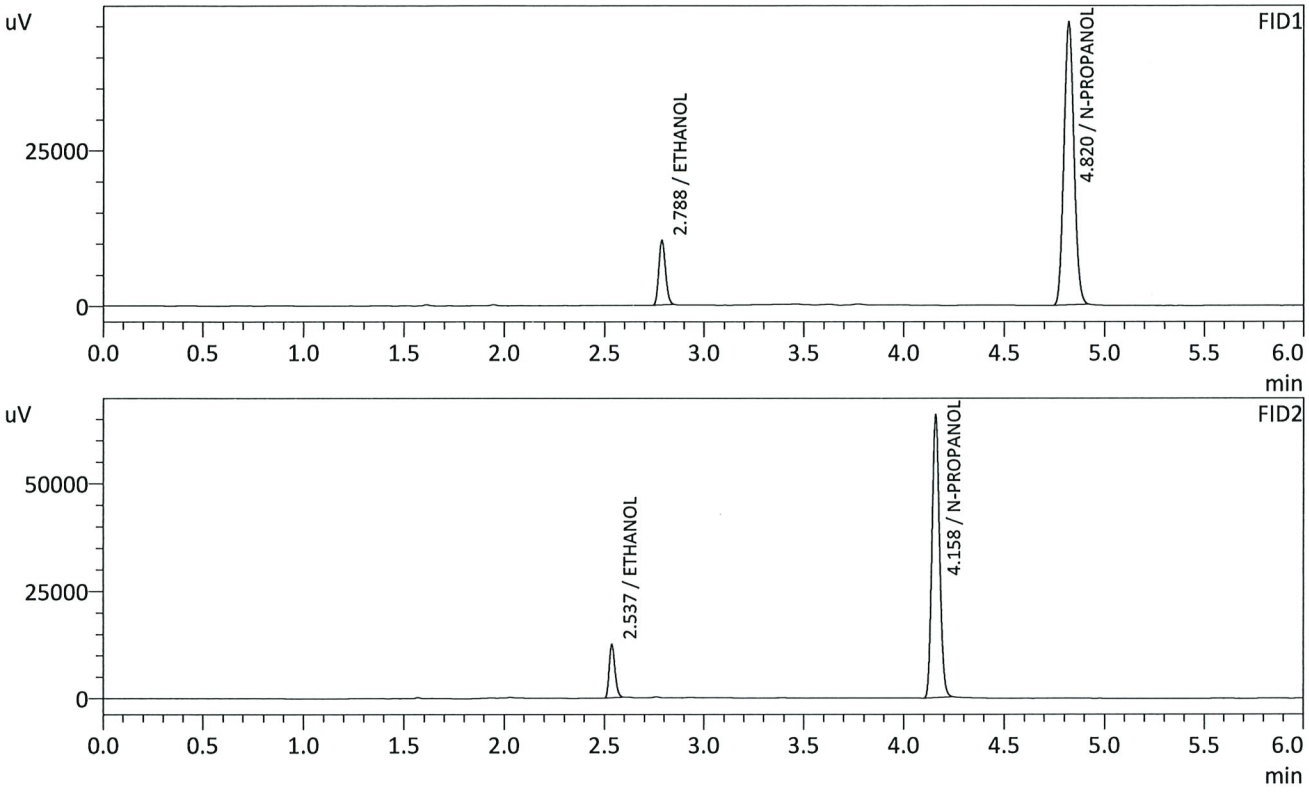


FID1

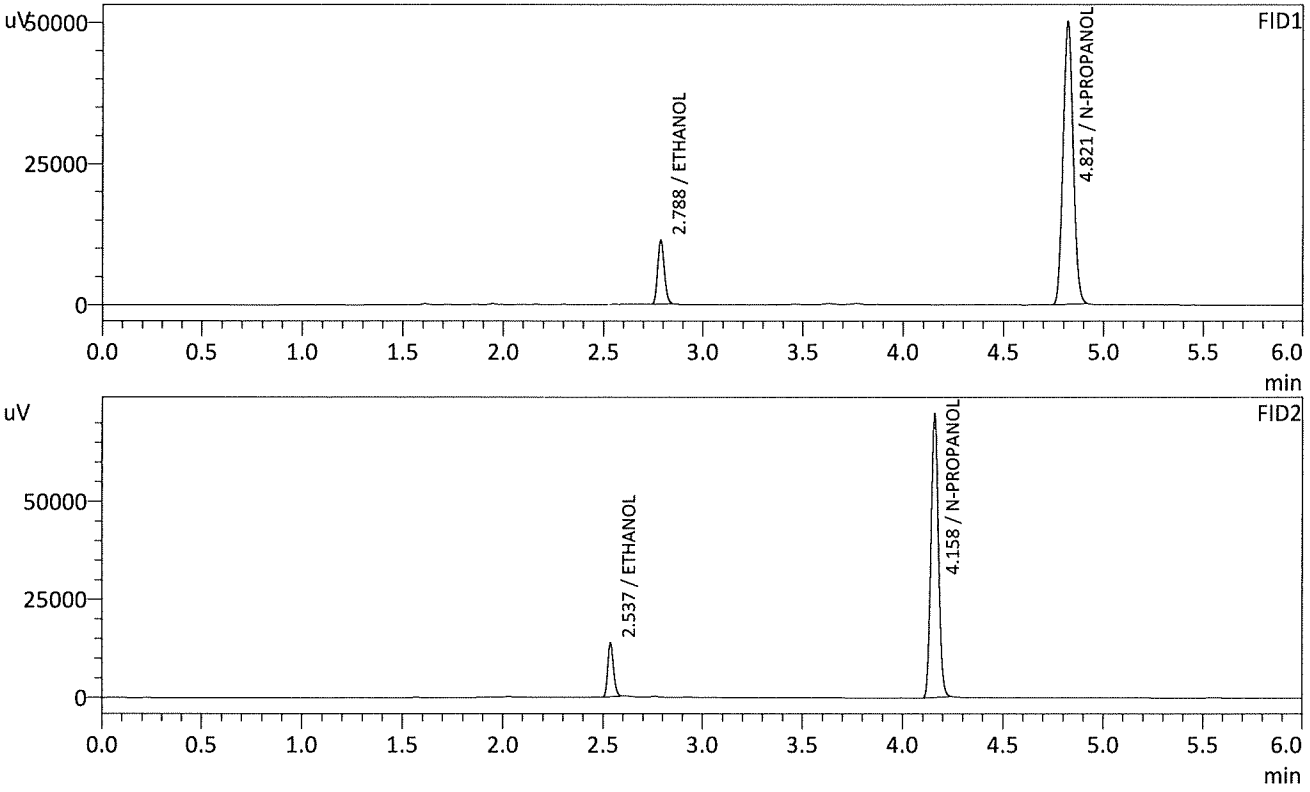
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0779	g/100cc	24259	10307
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158969	45398
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0789	g/100cc	25130	12479
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172179	65277
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
Vial # : 46
Data Filename : QC1-2-B_2202021_046.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 7:58:33 PM
Date Processed : 2/21/2021 9:29:24 AM



FID1

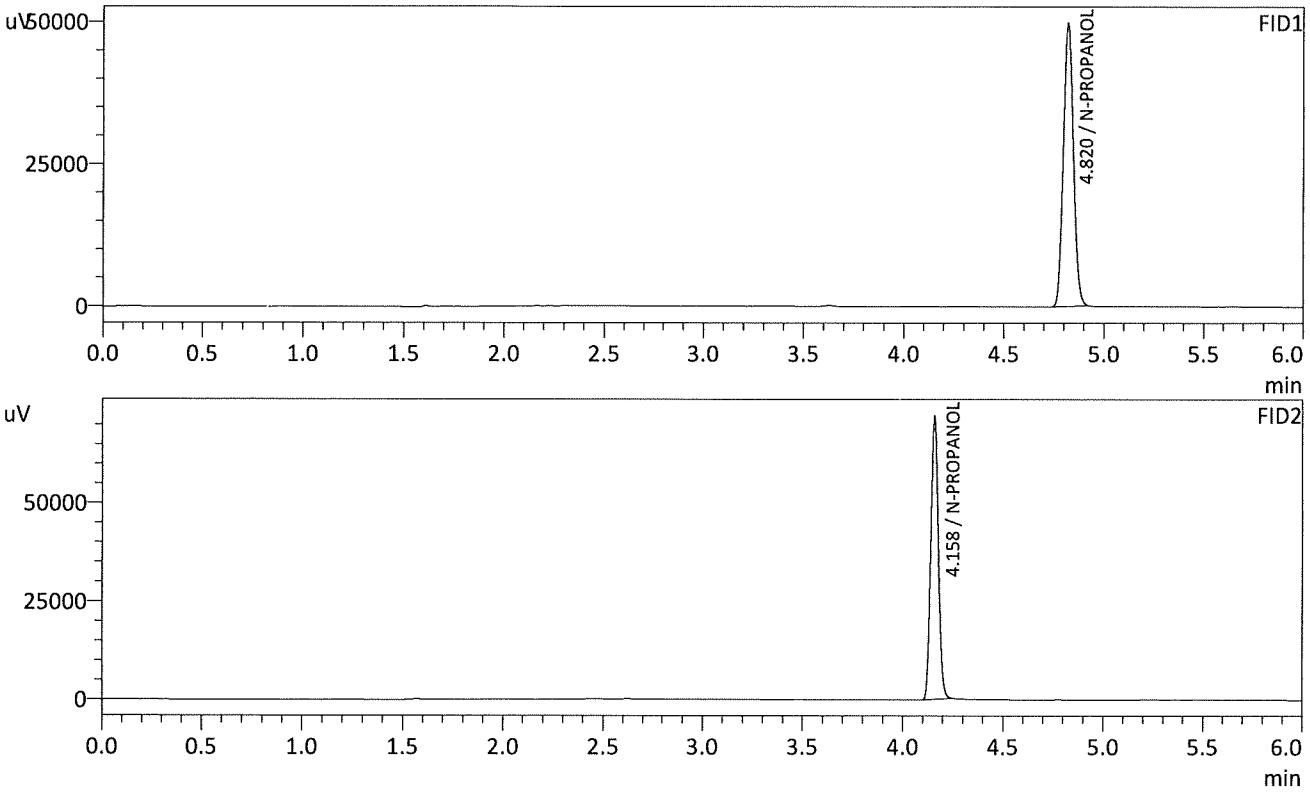
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0779	g/100cc	26700	11328
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174805	49946
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0787	g/100cc	27558	13737
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189483	71693
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
Vial # : 47
Data Filename : INT STD BLK 3_2202021_047.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 2-20-21 post run curve.gcb
Date Acquired : 2/20/2021 8:07:24 PM
Date Processed : 2/21/2021 9:29:25 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	173449	49629
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188742	71582
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

MC

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662
Shimadzu HS-20 Serial Number: C12595700014
LabSolutions Version 5.98
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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	STER\ALCOHOL.gcm	0.050_2202021_001.gcd	1
2	0.100	1:Standard:(R)	STER\ALCOHOL.gcm	0.100_2202021_002.gcd	2
3	0.200	1:Standard:(R)	STER\ALCOHOL.gcm	0.200_2202021_003.gcd	3
4	0.300	1:Standard:(R)	STER\ALCOHOL.gcm	0.300_2202021_004.gcd	4
5	0.500	1:Standard:(R)	STER\ALCOHOL.gcm	0.500_2202021_005.gcd	5
6	INT STD BLK 1	0:Unknown	STER\ALCOHOL.gcm	INT STD BLK 1_2202021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	STER\ALCOHOL.gcm	MULTI-COMP MIX_2202021_007.gcd	1
8	INT STD BLK 2	0:Unknown	STER\ALCOHOL.gcm	INT STD BLK 2_2202021_008.gcd	0
9	QC-1-1-A	0:Unknown	STER\ALCOHOL.gcm	QC-1-1-A_2202021_009.gcd	0
10	QC-1-1-B	0:Unknown	STER\ALCOHOL.gcm	QC-1-1-B_2202021_010.gcd	0
11	0.08 QA - A	0:Unknown	STER\ALCOHOL.gcm	0.08 QA - A_2202021_011.gcd	0
12	0.08 QA - B	0:Unknown	STER\ALCOHOL.gcm	0.08 QA - B_2202021_012.gcd	0
13	P2021-0163-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0163-1-A_2202021_013.gcd	0
14	P2021-0163-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0163-1-B_2202021_014.gcd	0
15	P2021-0171-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0171-1-A_2202021_015.gcd	0
16	P2021-0171-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0171-1-B_2202021_016.gcd	0
17	P2021-0219-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0219-1-A_2202021_017.gcd	0
18	P2021-0219-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0219-1-B_2202021_018.gcd	0
19	P2021-0220-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0220-1-A_2202021_019.gcd	0
20	P2021-0220-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0220-1-B_2202021_020.gcd	0
21	P2021-0223-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0223-1-A_2202021_021.gcd	0
22	P2021-0223-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0223-1-B_2202021_022.gcd	0
23	P2021-0248-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0248-1-A_2202021_023.gcd	0
24	P2021-0248-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0248-1-B_2202021_024.gcd	0
25	P2021-0249-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0249-1-A_2202021_025.gcd	0
26	P2021-0249-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0249-1-B_2202021_026.gcd	0
27	P2021-0259-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0259-1-A_2202021_027.gcd	0
28	P2021-0259-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0259-1-B_2202021_028.gcd	0
29	P2021-0261-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0261-1-A_2202021_029.gcd	0
30	P2021-0261-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0261-1-B_2202021_030.gcd	0
31	QC-2-1-A	0:Unknown	STER\ALCOHOL.gcm	QC-2-1-A_2202021_031.gcd	0
32	QC-2-1-B	0:Unknown	STER\ALCOHOL.gcm	QC-2-1-B_2202021_032.gcd	0
33	P2021-0264-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0264-1-A_2202021_033.gcd	0
34	P2021-0264-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0264-1-B_2202021_034.gcd	0
35	P2021-0265-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0265-1-A_2202021_035.gcd	0
36	P2021-0265-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0265-1-B_2202021_036.gcd	0
37	P2021-0273-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0273-1-A_2202021_037.gcd	0
38	P2021-0273-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0273-1-B_2202021_038.gcd	0
39	P2021-0297-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0297-1-A_2202021_039.gcd	0
40	P2021-0297-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0297-1-B_2202021_040.gcd	0
41	P2021-0298-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0298-1-A_2202021_041.gcd	0
42	P2021-0298-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0298-1-B_2202021_042.gcd	0
43	P2021-0316-1-A	0:Unknown	STER\ALCOHOL.gcm	P2021-0316-1-A_2202021_043.gcd	0
44	P2021-0316-1-B	0:Unknown	STER\ALCOHOL.gcm	P2021-0316-1-B_2202021_044.gcd	0
45	QC1-2-A	0:Unknown	STER\ALCOHOL.gcm	QC1-2-A_2202021_045.gcd	0
46	QC1-2-B	0:Unknown	STER\ALCOHOL.gcm	QC1-2-B_2202021_046.gcd	0
47	INT STD BLK 3	0:Unknown	STER\ALCOHOL.gcm	INT STD BLK 3_2202021_047.gcd	0

RC

C:\LabSolutions\Data\2021\2-20-21 rc\2-20-21 batch.gcb