8/3/2023

Worklist: 6459

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2023-2233	2	BCK	Alcohol Analysis
P2023-2234	1	BCK	Alcohol Analysis
P2023-2252	1	BCK	Alcohol Analysis
P2023-2253	1	BCK	Alcohol Analysis
P2023-2266	1	BCK	Alcohol Analysis
P2023-2275	1	BCK	Alcohol Analysis
P2023-2277	1	BCK	Alcohol Analysis
P2023-2281	1	BCK	Alcohol Analysis
P2023-2319	1	BCK	Alcohol Analysis
P2023-2326	1	BCK	Alcohol Analysis
P2023-2327	1	BCK	Alcohol Analysis
P2023-2329	1	BCK	Alcohol Analysis
P2023-2330	2	BCK	Alcohol Analysis
P2023-2333	1	BCK	Alcohol Analysis
P2023-2335	1	BCK	Alcohol Analysis
P2023-2336	1	BCK	Alcohol Analysis
P2023-2342	1	BCK	Alcohol Analysis
P2023-2351	1	BCK	Alcohol Analysis
P2023-2355	1	BCK	Alcohol Analysis
P2023-2358	2	BCK	Alcohol Analysis
P2023-2371	1	BCK	Alcohol Analysis

Resampled and tested on 8/17/23 with Worklist 6470 cases. RC 8/17/23

REVIEWED

By Jeremy Johnston at 8:17 am, Aug 21, 2023

Worklist: 6459

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2023-2381	1	BCK	Alcohol Analysis
P2023-2384	1	BCK	Alcohol Analysis
P2023-2385	1	BCK	Alcohol Analysis
P2023-2386	1	BCK	Alcohol Analysis
P2023-2400	1	BCK	Alcohol Analysis
P2023-2401	1	BCK	Alcohol Analysis
P2023-2402	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): 08/03/23**

Calibration Date: *(if different)* **:**

Worklist #: 6459

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0788 g/100cc
					0.0866 g/100cc
					0.0879 g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2056 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp:	2024 October	Lot #	FN06041902 OK	
Curve Fit:		Column 1	0.99996	Column2	0.99990

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0488	0.0469	0.0019	0.0478
100	0.100	0.090 - 0.110	0.0986	0.0961	0.0025	0.0973
200	0.200	0.180 - 0.220	0.1981	0.1959	0.0022	0.197
300	0.300	0.270 - 0.330	0.2982	0.2972	0.001	0.2977
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5022	0.5043	0.0021	0.5032

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.078 g/100cc

Internal Standard Monitoring Worksheet

Worklist #:	6459	Run Date(s):	08/03/23

Internal Standard Solution:	Prep Date: 6/28/2023	Exp Date: 12/28/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	153813	157903
0.080	154517	158575
QC1	156673	160833
QC1	156803	161004
QC1	160438	163599
QC1	160339	163514
QC1	167418	170326
QC1	167803	170592
QC2	149239	151790
QC2	152738	155606
QC2		
QC2		
QC2		
QC2		

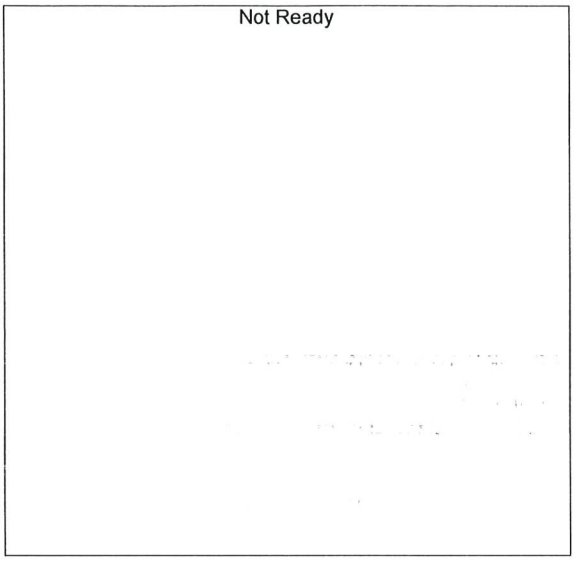
	Average	(-)20%	(+)20%
Column 1	157978.1	126382.5	189573.7
Column 2	161374.2	129099.4	193649.0

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Calibration Table

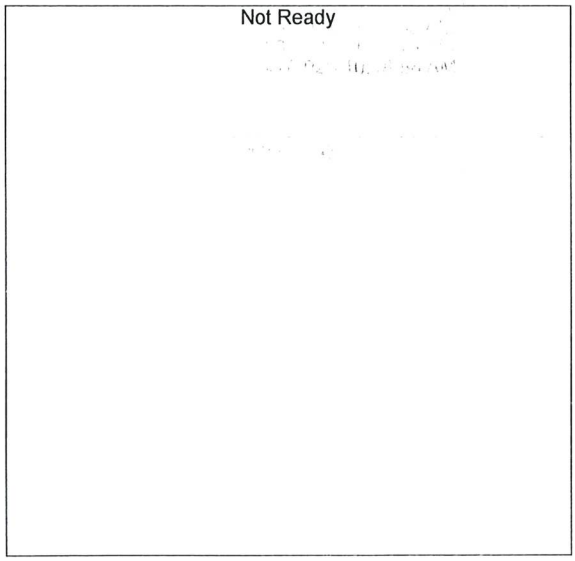
Laboratory: Pocatello
Instrument Name : G1KG333-Instrument1

<<Data File>>
Method File :Default Project - ALCOHOL_080323_RC.gcm
Batch File :Default Project - BATCH_080323_RC.gcb
Date Acquired :8/3/2023 11:48:46 AM
Date Created :8/3/2023 11:45:18 AM
Date Modified :8/7/2023 10:18:58 AM



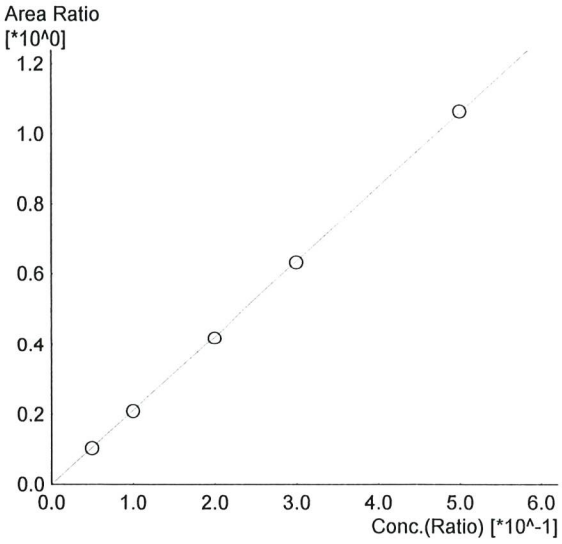
Name : METHANOL
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name



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

#	Conc.	Area	Std. Conc.	Data File Name



Name : ETHANOL
Detector Name: FID1
Function : f(x)=2.11936*x+0
R^2 value= 0.9999605
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15672	0.0488	0.050_832023_001.gcd
2	0.100	32037	0.0986	0.100_832023_002.gcd
3	0.200	65192	0.1981	0.200_832023_003.gcd
4	0.300	97875	0.2982	0.300_832023_004.gcd
5	0.500	165751	0.5022	0.500_832023_005.gcd

Not Ready

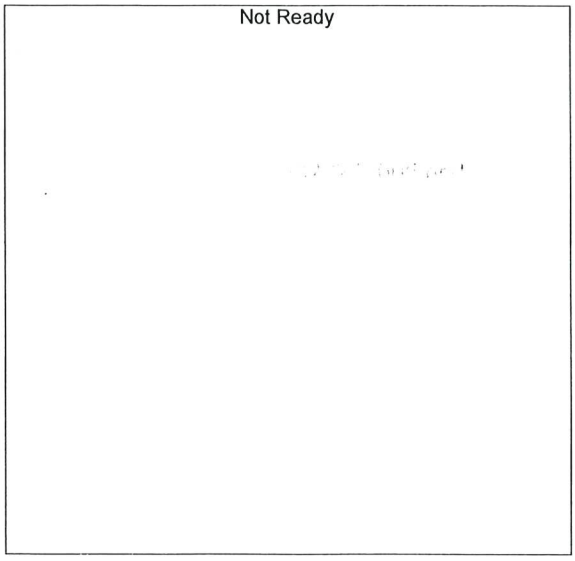
Name : ISOPROPYL ALCOHOL
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

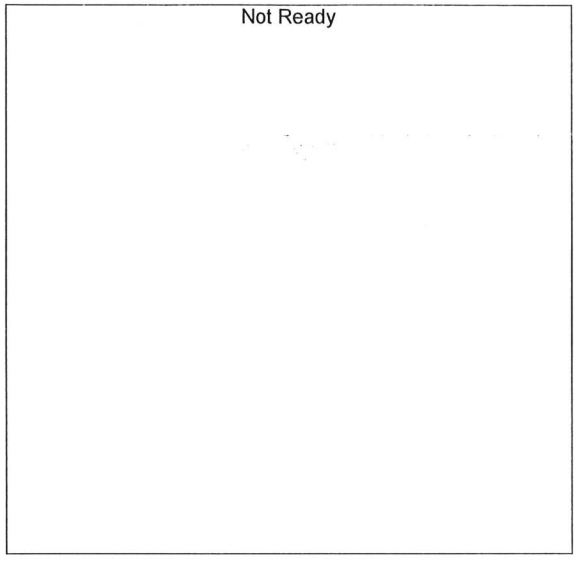
Name : ACETONE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name



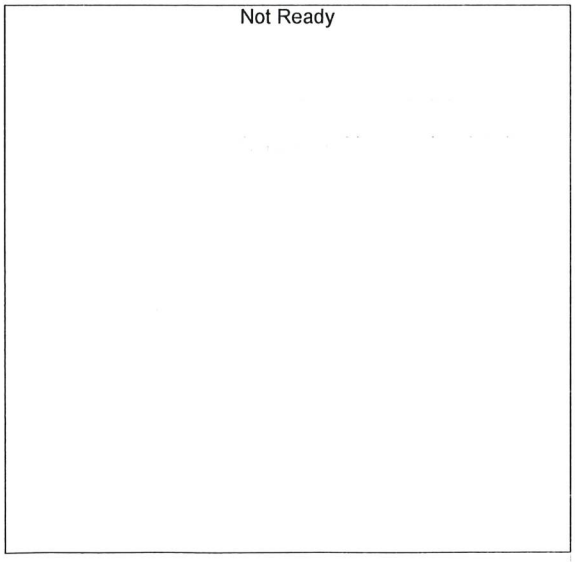
Name : DFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name



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

#	Conc.	Area	Std. Conc.	Data File Name



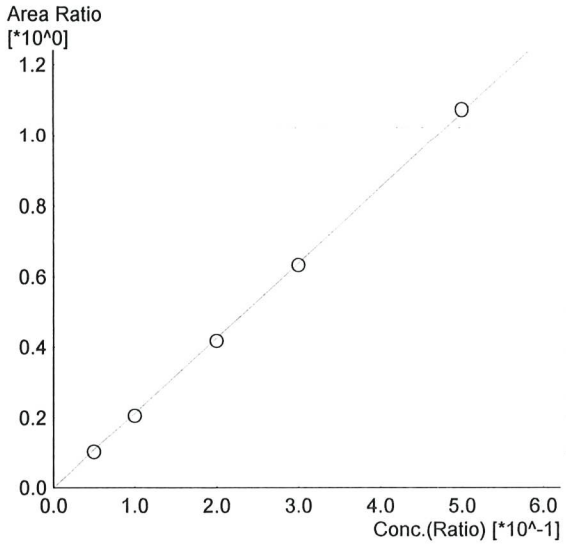
Name : ACETALDEHYDE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name

RC

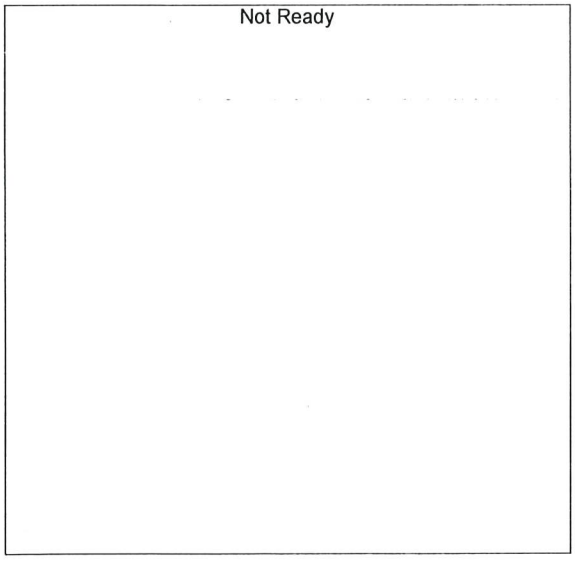
Name : METHANOL
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name



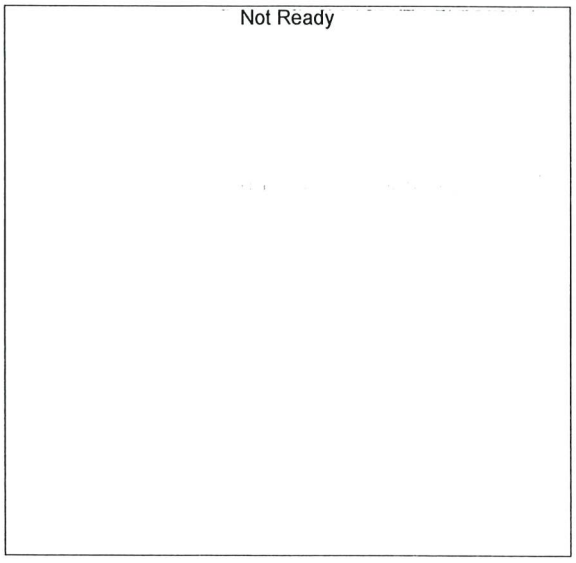
Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.13009*x+0
R^2 value= 0.9999003 ✓
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15535	0.0469	0.050_832023_001.gcd
2	0.100	32183	0.0961	0.100_832023_002.gcd
3	0.200	66394	0.1959	0.200_832023_003.gcd
4	0.300	100325	0.2972	0.300_832023_004.gcd
5	0.500	170938	0.5043	0.500_832023_005.gcd



Name : ACETONE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name



Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name

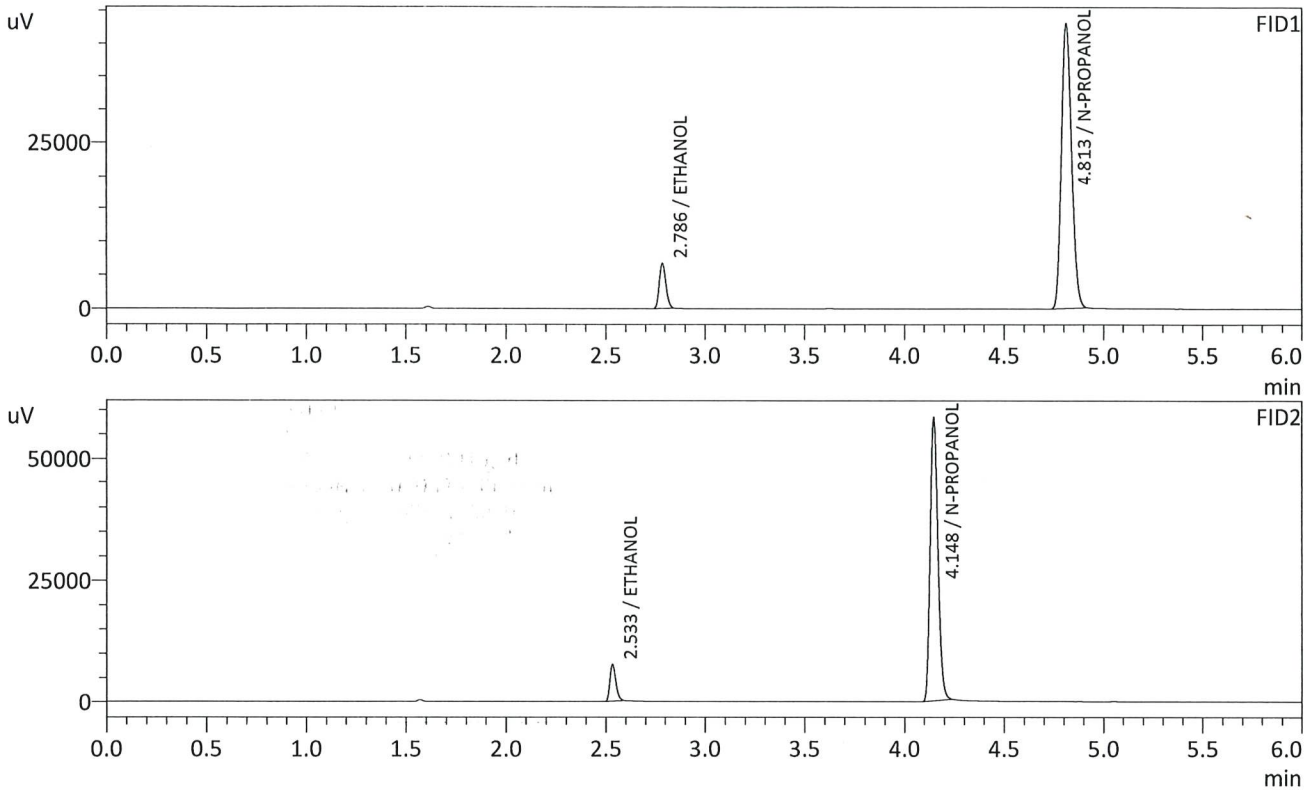
Name : DFE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name

Name : TFE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Through

#	Conc.	Area	Std. Conc.	Data File Name

Sample Name : 0.050
Vial # : 1
Data Filename : 0.050_832023_001.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 11:10:39 AM
Date Processed : 8/7/2023 10:18:41 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

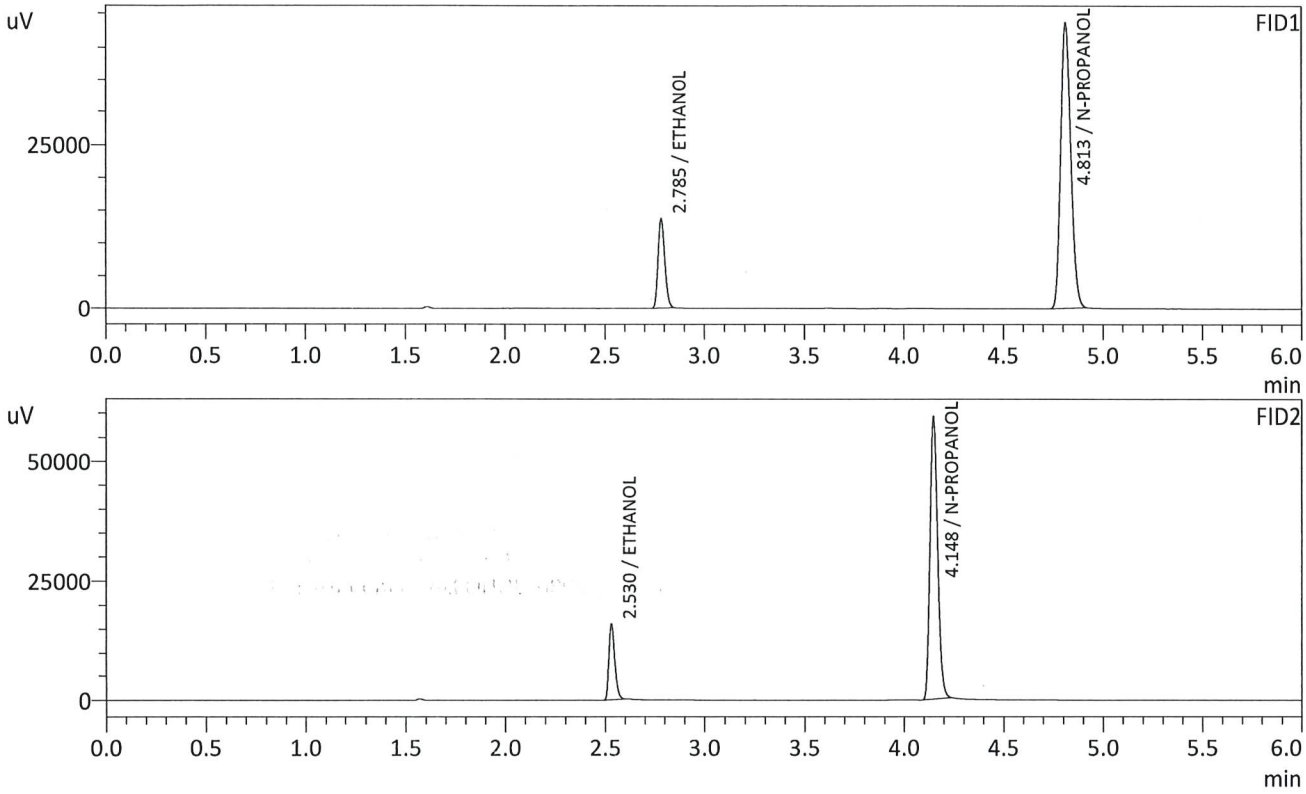
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0488	g/100cc	15672	6585
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151403	42923
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0469	g/100cc	15535	7619
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155255	58183
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
Vial # : 2
Data Filename : 0.100_832023_002.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 11:20:09 AM
Date Processed : 8/7/2023 10:18:48 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

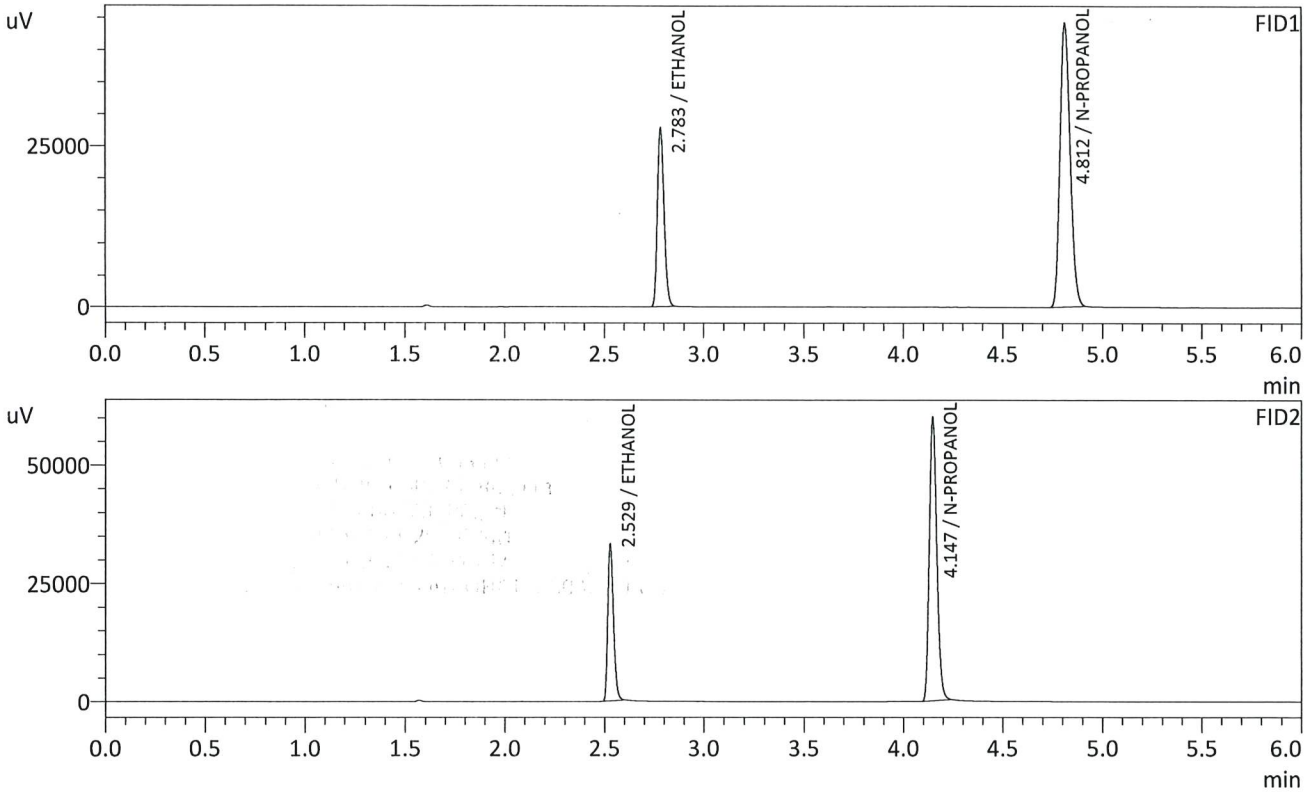
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0986	g/100cc	32037	13668
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153304	43527
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0961	g/100cc	32183	15837
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157107	59009
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
Vial # : 3
Data Filename : 0.200_832023_003.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 11:29:30 AM
Date Processed : 8/7/2023 10:18:51 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



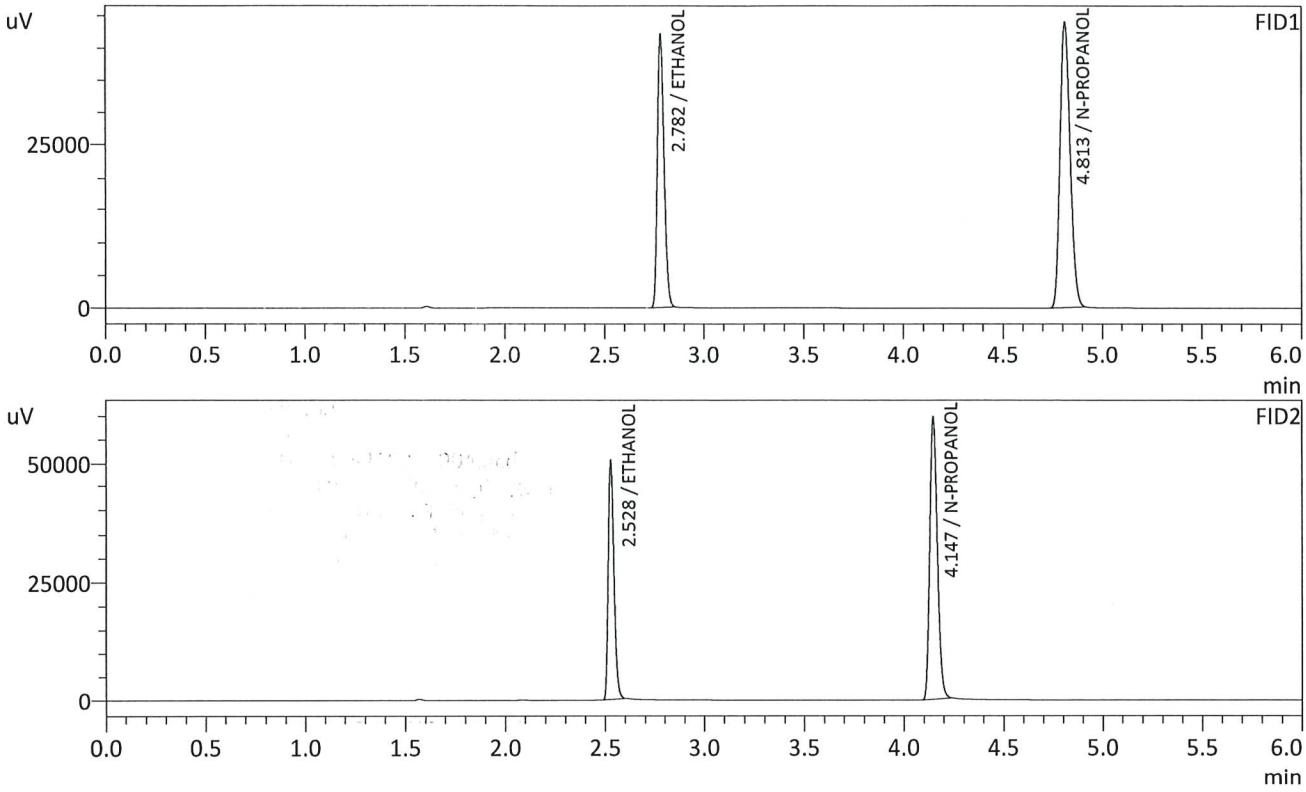
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1981	g/100cc	65192	27842
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155253	44059
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1959	g/100cc	66394	32921
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159066	59967
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.300
Vial # : 4
Data Filename : 0.300_832023_004.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 11:39:15 AM
Date Processed : 8/7/2023 10:18:55 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

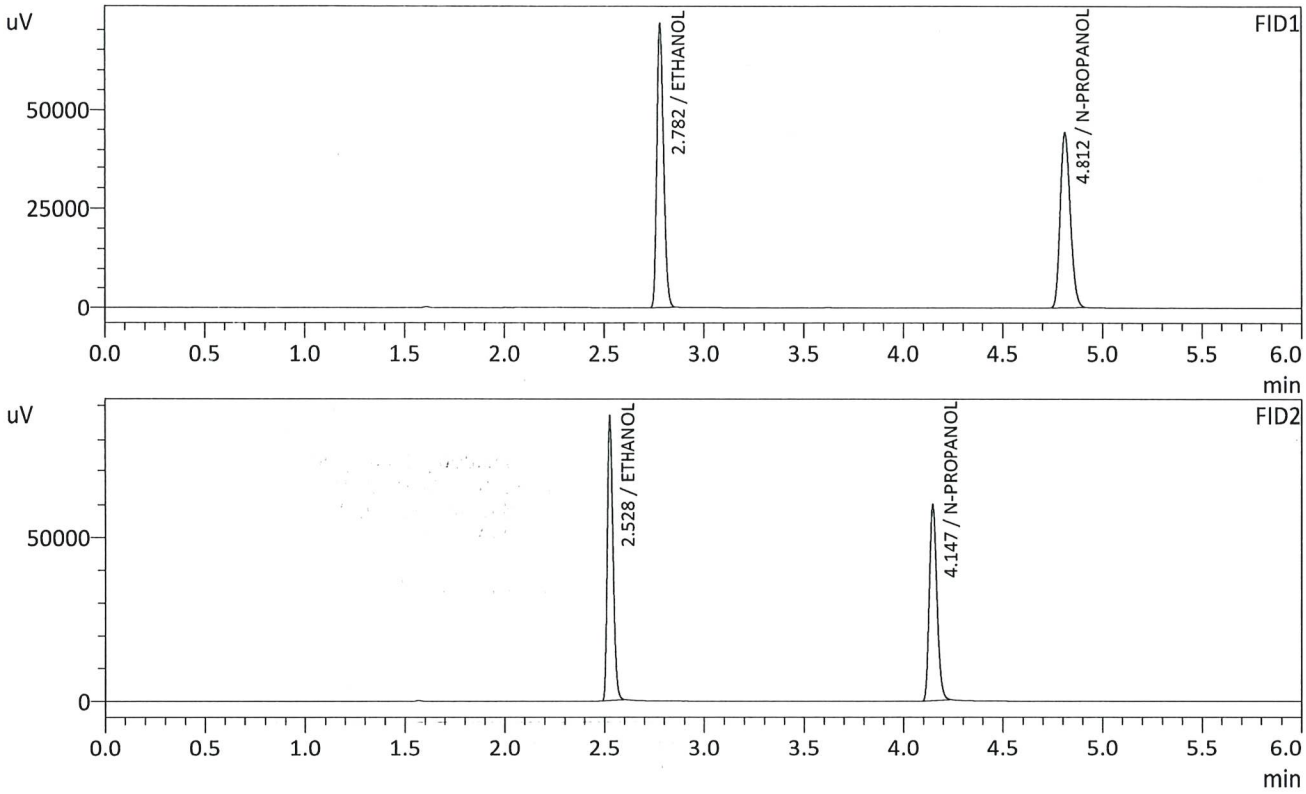
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2982	g/100cc	97875	41813
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154865	43897
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2972	g/100cc	100325	50319
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158435	59593
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
Vial # : 5
Data Filename : 0.500_832023_005.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 11:48:46 AM
Date Processed : 8/7/2023 10:18:58 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

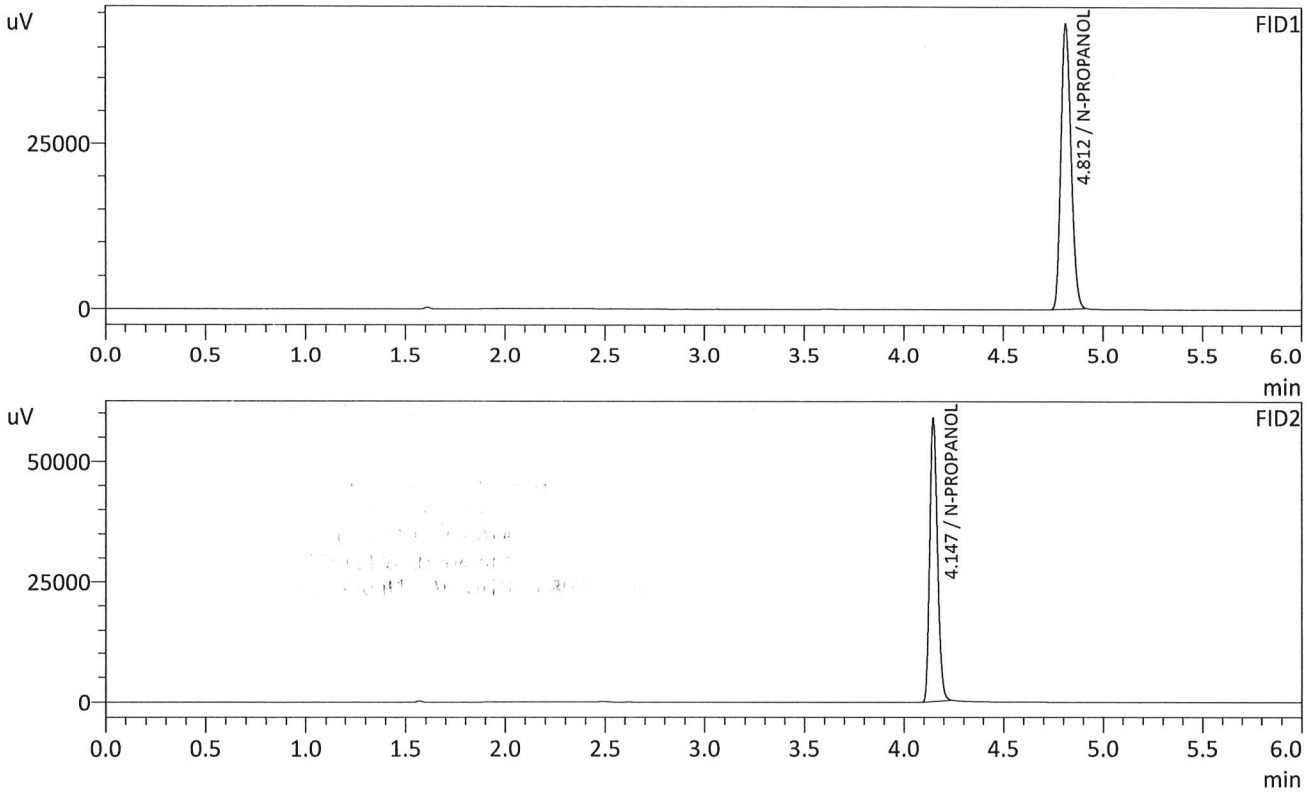
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5022	g/100cc	165751	70720
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155724	44277
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5043	g/100cc	170938	86501
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159123	59891
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1
Vial # : 6
Data Filename : INT STD BLK 1_832023_006.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 11:58:03 AM
Date Processed : 8/7/2023 10:19:04 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



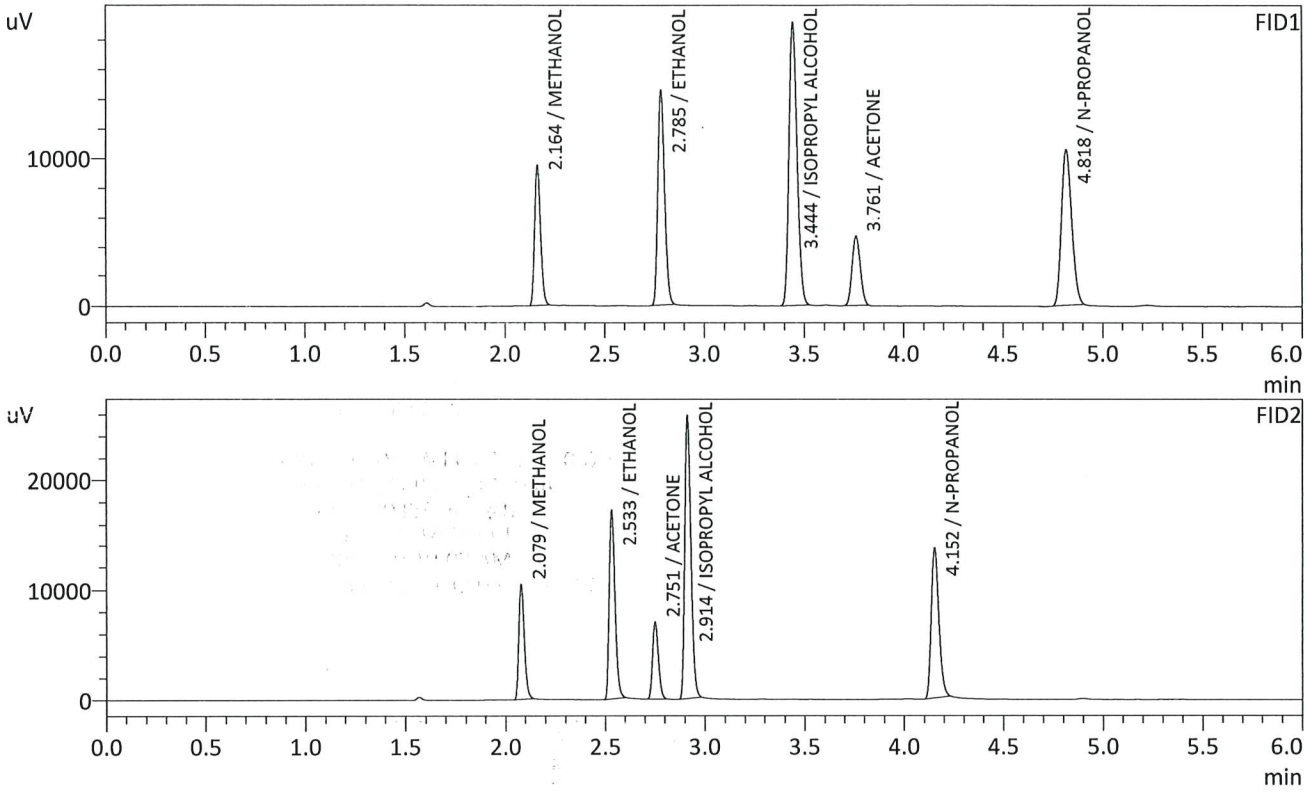
FID1

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	152917	43354
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	156871	58844
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX
Vial # : 7
Data Filename : MULTI-COMP MIX_832023_007.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 12:07:48 PM
Date Processed : 8/7/2023 10:19:07 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

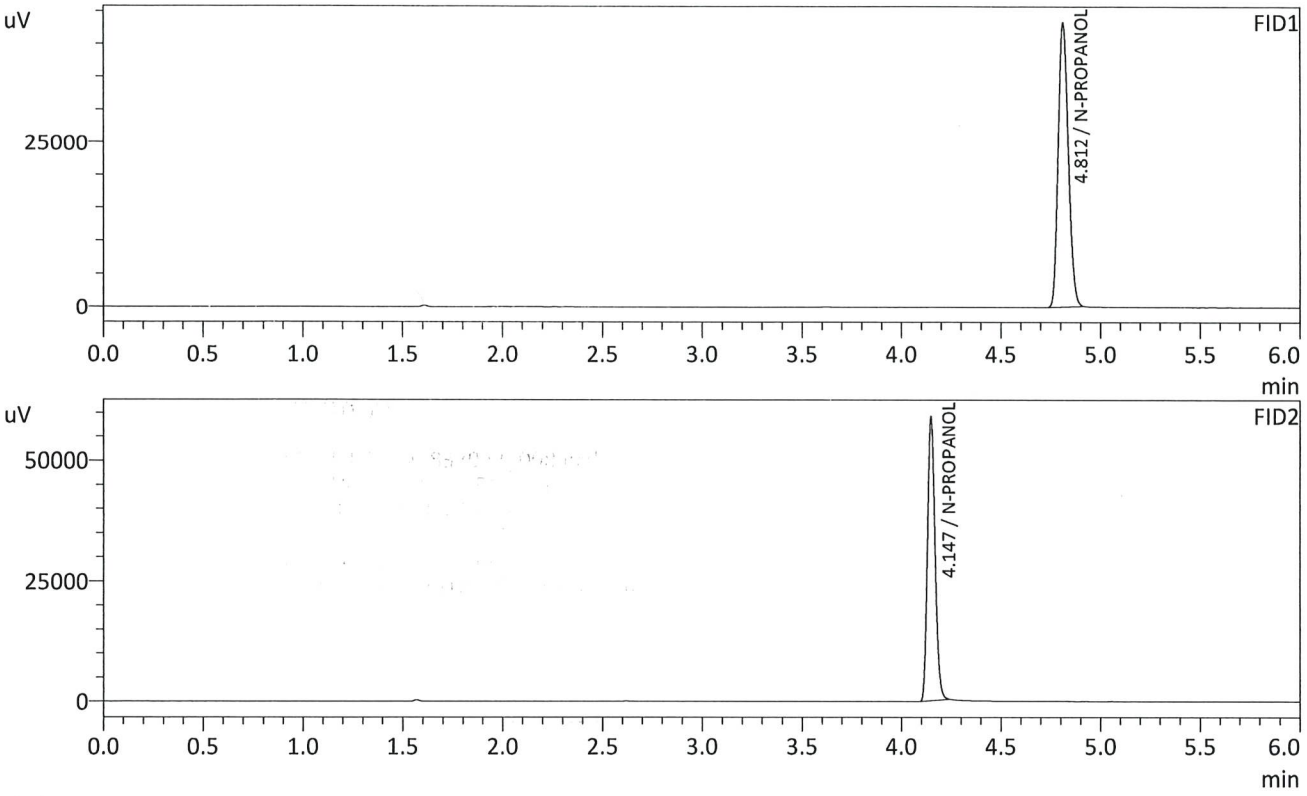
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	19446	9465
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.4347	g/100cc	34092	14496
ISOPROPYL ALCOHOL	0.0000	g/100cc	53840	19018
ACETONE	0.0000	g/100cc	13609	4715
N-PROPANOL	0.0000	g/100cc	37001	10518
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	19955	10425
ETHANOL	0.4480	g/100cc	34696	17155
ACETONE	0.0000	g/100cc	14238	6996
ISOPROPYL ALCOHOL	0.0000	g/100cc	54814	25678
N-PROPANOL	0.0000	g/100cc	36351	13539
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
Vial # : 8
Data Filename : INT STD BLK 2_832023_008.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 12:17:18 PM
Date Processed : 8/7/2023 10:19:10 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



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	152321	43055
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	156261	59031
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1 **Analysis Date(s): 8/3/2023 12:26:37 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0802	0.0775	0.0027	0.0788	0.0000	0.0788
(g/100cc)	0.0802	0.0774	0.0028	0.0788		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_080323_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

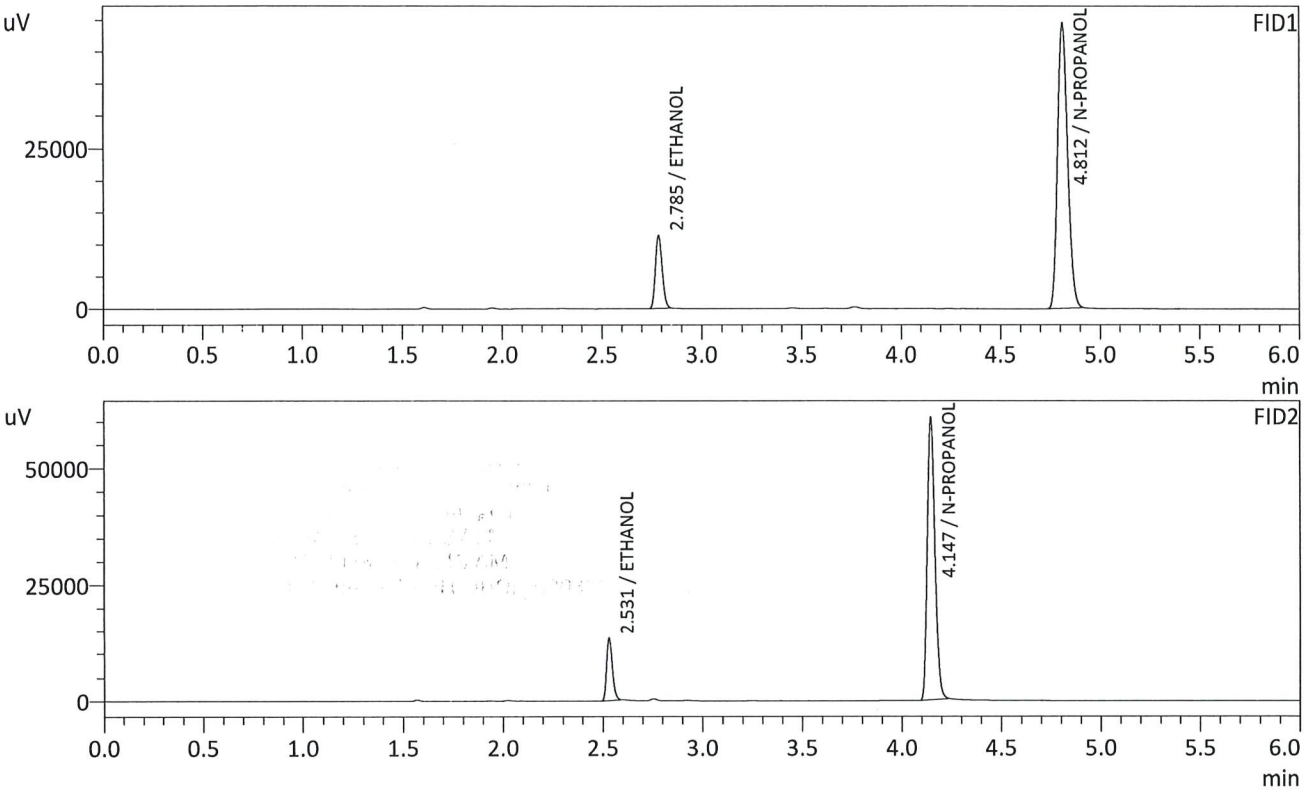
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.078	0.074	0.082	0.004

Reported Results
0.078

Calibration and control data are stored centrally.

RC

Sample Name : QC1-1
Vial # : 9
Data Filename : QC1-1_832023_009.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 12:26:37 PM
Date Processed : 8/7/2023 10:19:13 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

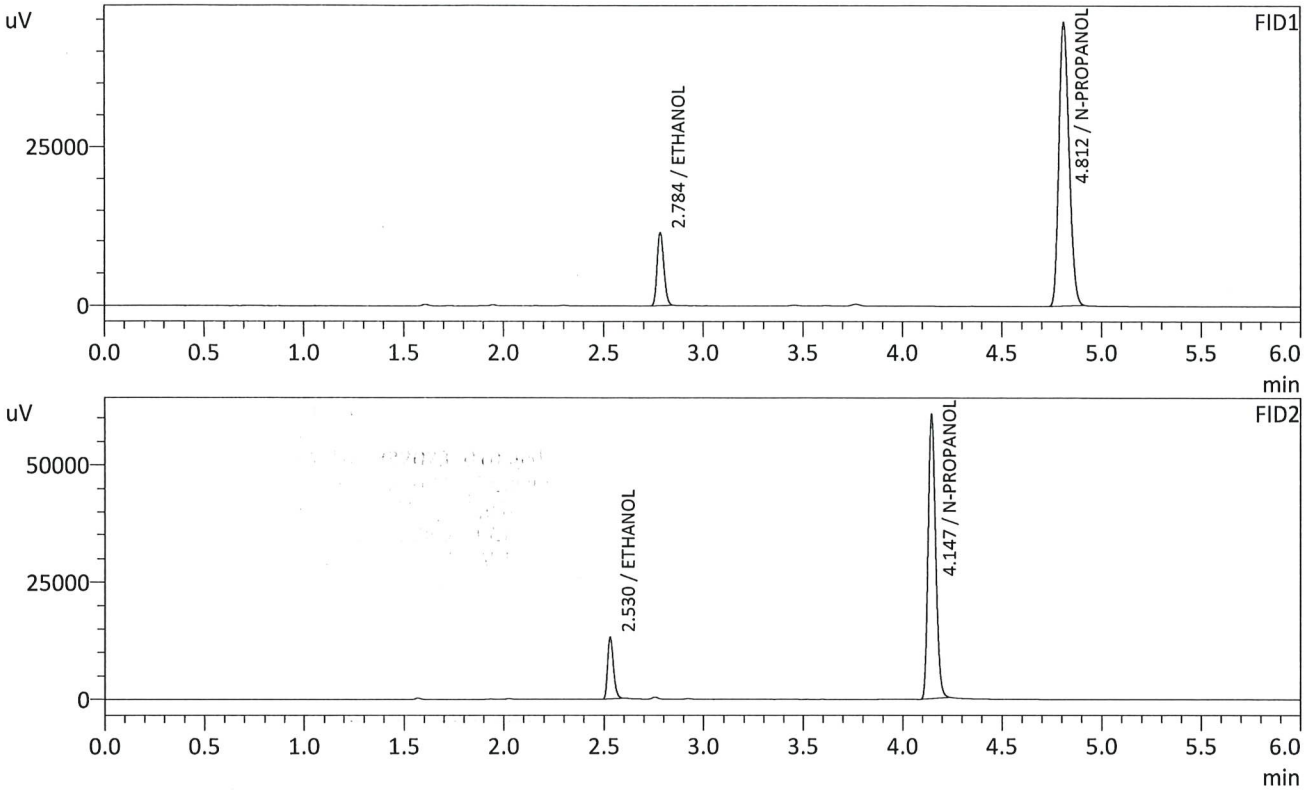
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	26651	11351
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156673	44363
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0775	g/100cc	26582	13069
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160833	60710
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B
Vial # : 10
Data Filename : QC1-1-B_832023_010.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 12:36:22 PM
Date Processed : 8/7/2023 10:19:18 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	26664	11365
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156803	44398
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0774	g/100cc	26566	13060
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161004	60569
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 8/3/2023 12:45:53 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0768	0.0024	0.0780	0.0001	0.0780
(g/100cc)	0.0793	0.0770	0.0023	0.0781		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_080323_RC.gcm

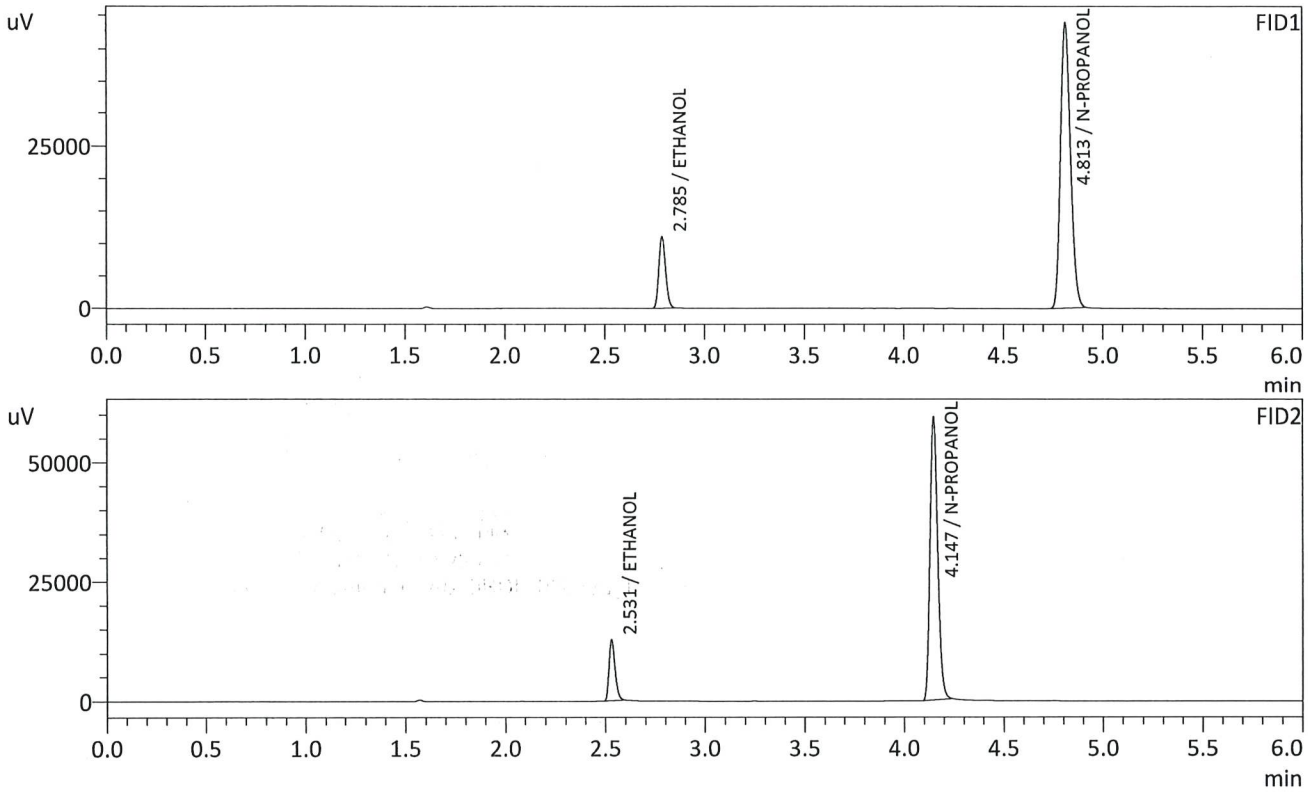
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.078	0.074	0.082	0.004

Reported Results
0.078

Calibration and control data are stored centrally.

Sample Name : 0.08 QA
Vial # : 11
Data Filename : 0.08 QA _832023_011.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 12:45:53 PM
Date Processed : 8/7/2023 10:19:22 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



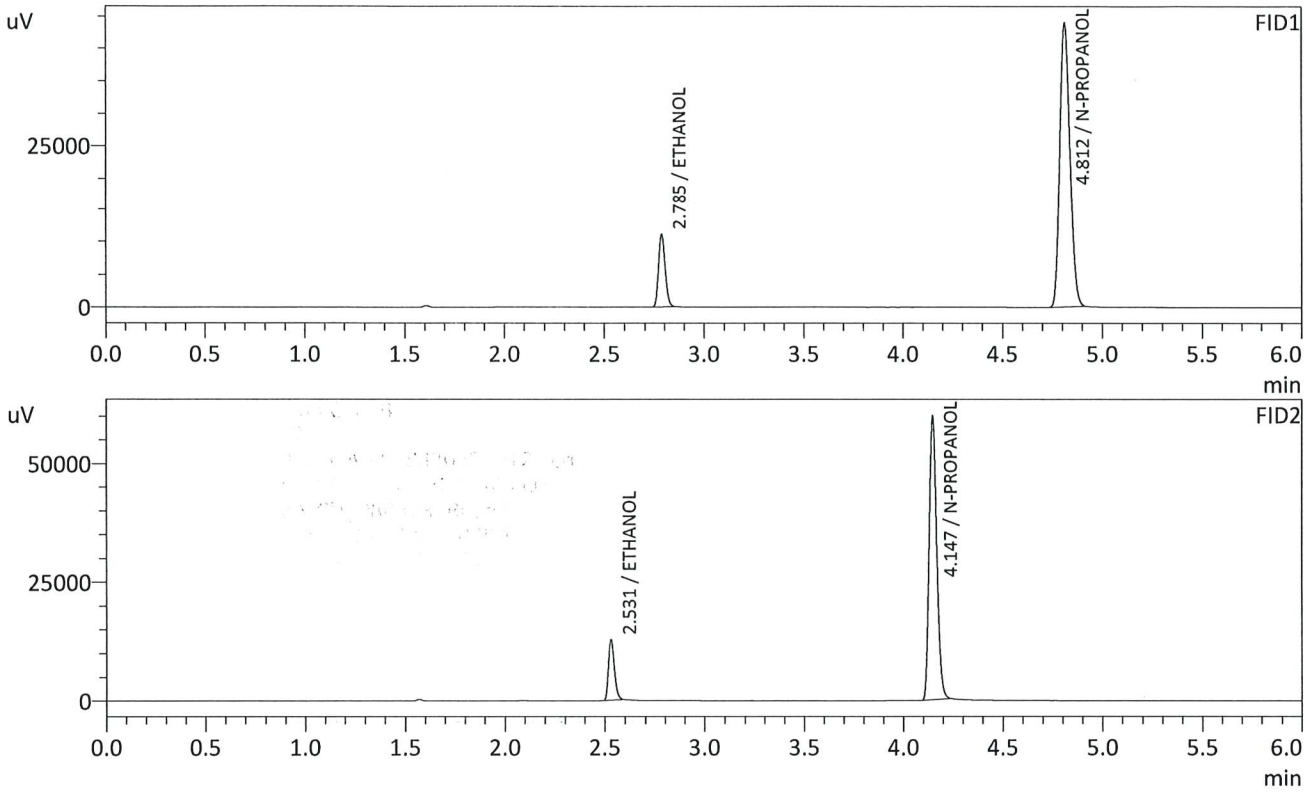
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0792	g/100cc	25838	10998
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153813	43693
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0768	g/100cc	25853	12705
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157903	59232
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.08 QA - B
Vial # : 12
Data Filename : 0.08 QA - B_832023_012.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 12:55:10 PM
Date Processed : 8/7/2023 10:19:26 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0793	g/100cc	25980	11051
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154517	43781
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0770	g/100cc	26017	12773
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158575	59805
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1 **Analysis Date(s): 8/3/2023 3:56:17 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2050	0.2068	0.0018	0.2059	0.0005	0.2056
(g/100cc)	0.2047	0.2061	0.0014	0.2054		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_080323_RC.gcm

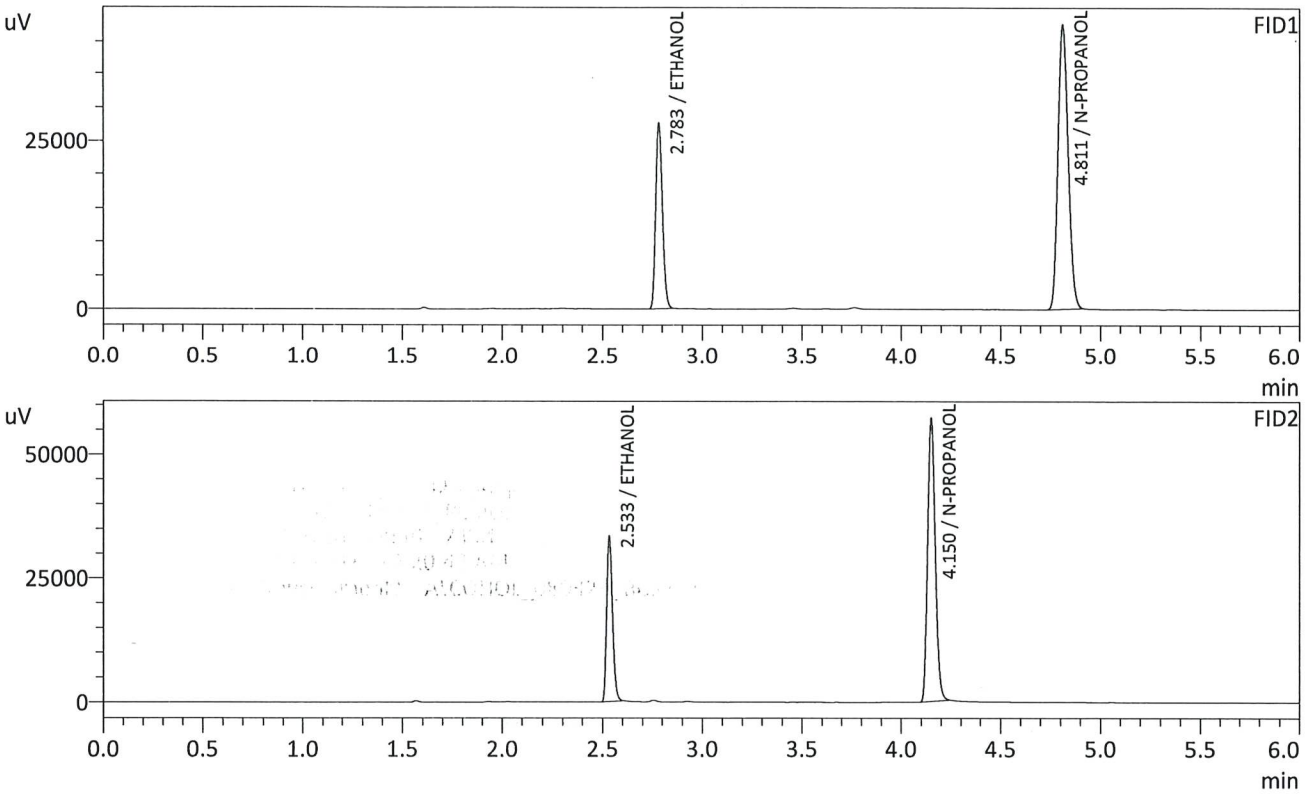
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.205	0.194	0.216	0.011

	Reported Results	
	0.205	

Calibration and control data are stored centrally.

Sample Name : QC2-1
Vial # : 31
Data Filename : QC2-1_832023_031.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 3:56:17 PM
Date Processed : 8/7/2023 10:20:42 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



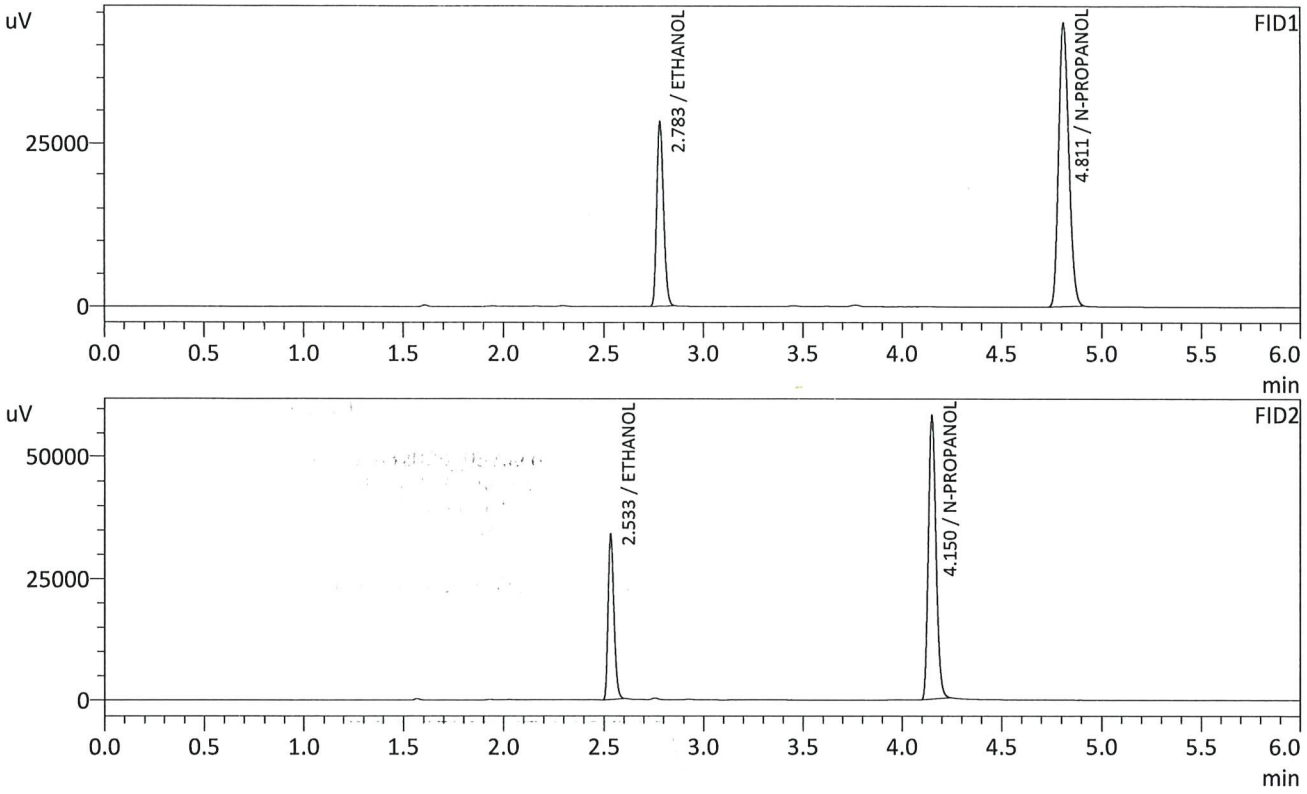
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2050	g/100cc	64860	27571
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	149239	42348
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2068	g/100cc	66867	33170
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151790	56883
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC2-1-B
Vial # : 32
Data Filename : QC2-1-B_832023_032.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 4:05:49 PM
Date Processed : 8/7/2023 10:20:46 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2047	g/100cc	66270	28165
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152738	43333
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2061	g/100cc	68323	33948
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155606	58216
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2 **Analysis Date(s): 8/3/2023 7:25:44 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0868	0.0858	0.0010	0.0863	0.0006	0.0866
(g/100cc)	0.0875	0.0864	0.0011	0.0869		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_080323_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

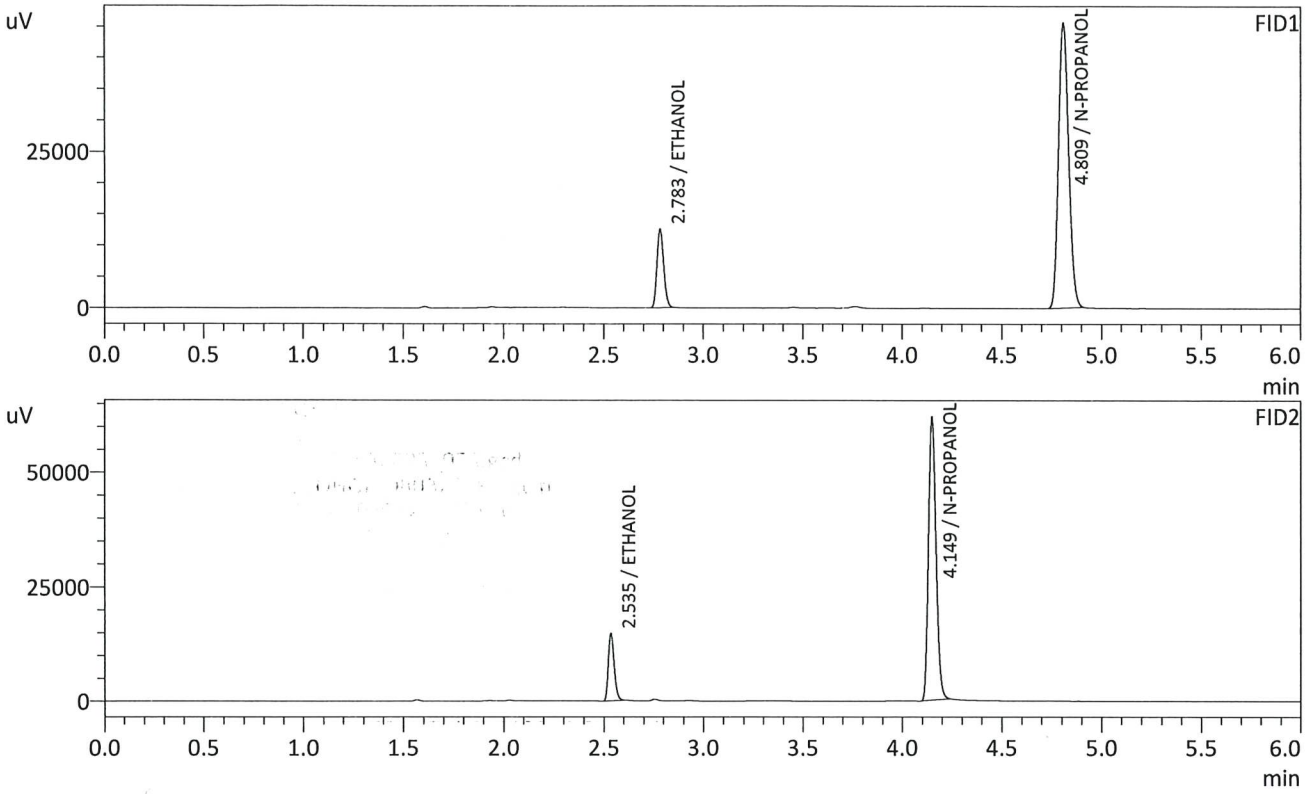
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.086	0.081	0.091	0.005

Reported Results
0.086

Calibration and control data are stored centrally.

RC

Sample Name : QC1-2
Vial # : 53
Data Filename : QC1-2_832023_053.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 7:25:44 PM
Date Processed : 8/7/2023 10:22:10 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

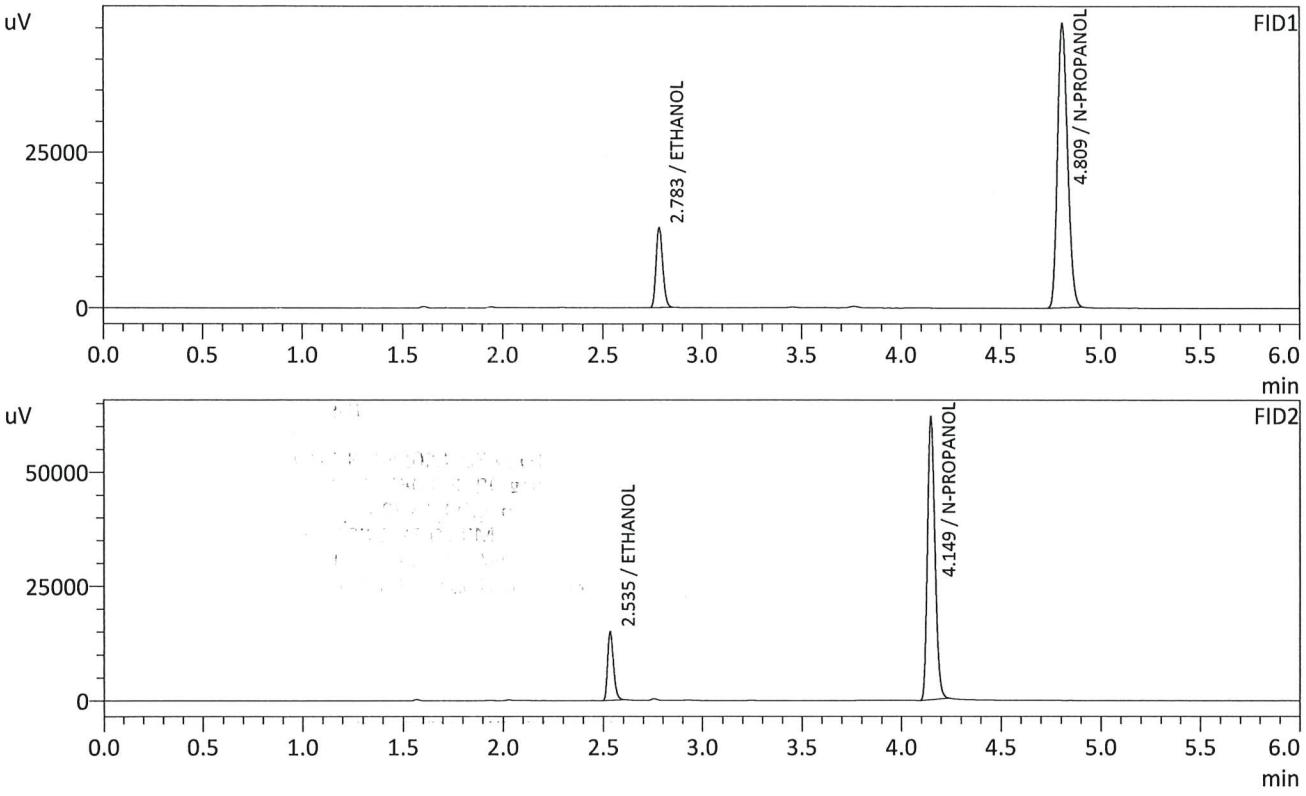
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0868	g/100cc	29547	12558
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160438	45588
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0858	g/100cc	29923	14585
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163599	61492
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
Vial # : 54
Data Filename : QC1-2-B_832023_054.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 7:35:01 PM
Date Processed : 8/7/2023 10:22:15 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0875	g/100cc	29744	12608
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160339	45737
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0864	g/100cc	30121	14732
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163514	61450
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-3 **Analysis Date(s): 8/3/2023 10:36:01 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0888	0.0877	0.0011	0.0882	0.0007	0.0879
(g/100cc)	0.0882	0.0869	0.0013	0.0875		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_080323_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

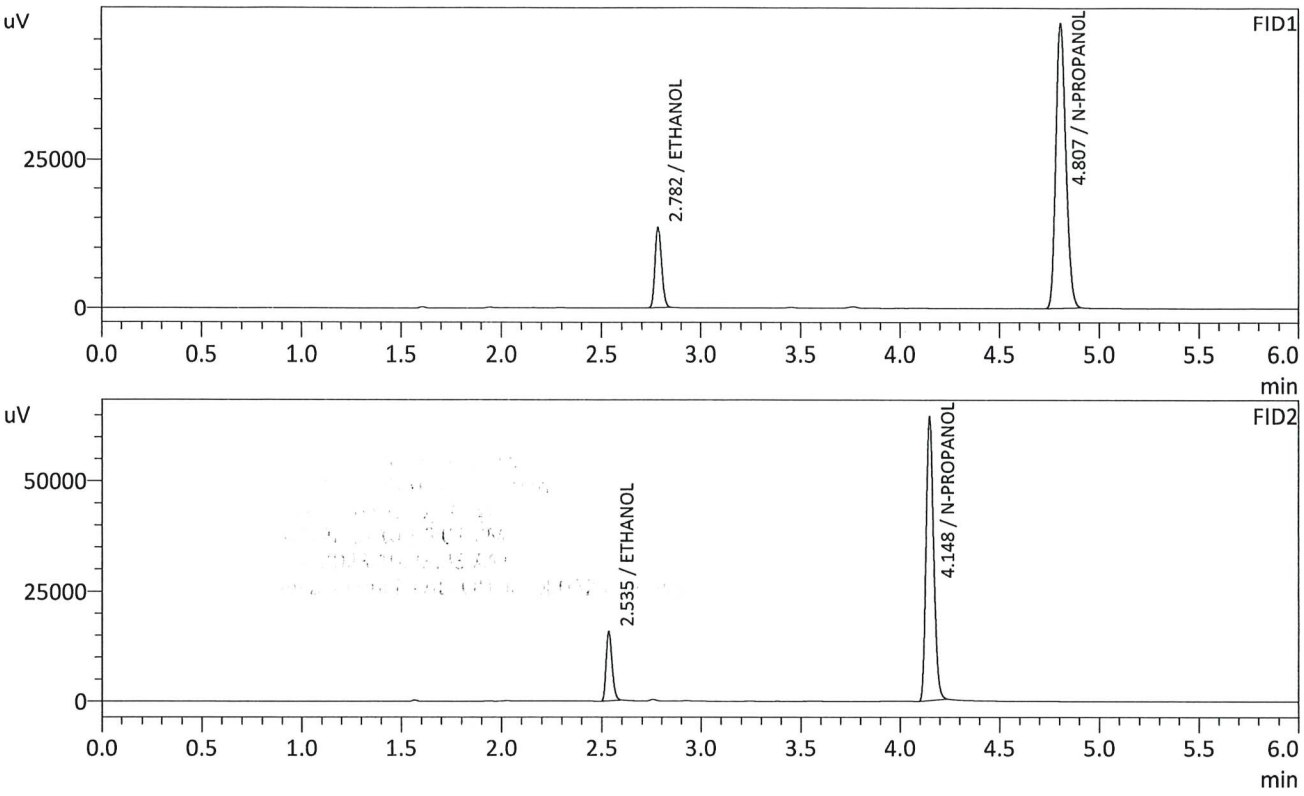
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.087	0.082	0.092	0.005

Reported Results
0.087

Calibration and control data are stored centrally.

RC

Sample Name : QC1-3
Vial # : 73
Data Filename : QC1-3_832023_073.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 10:36:01 PM
Date Processed : 8/7/2023 10:23:35 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

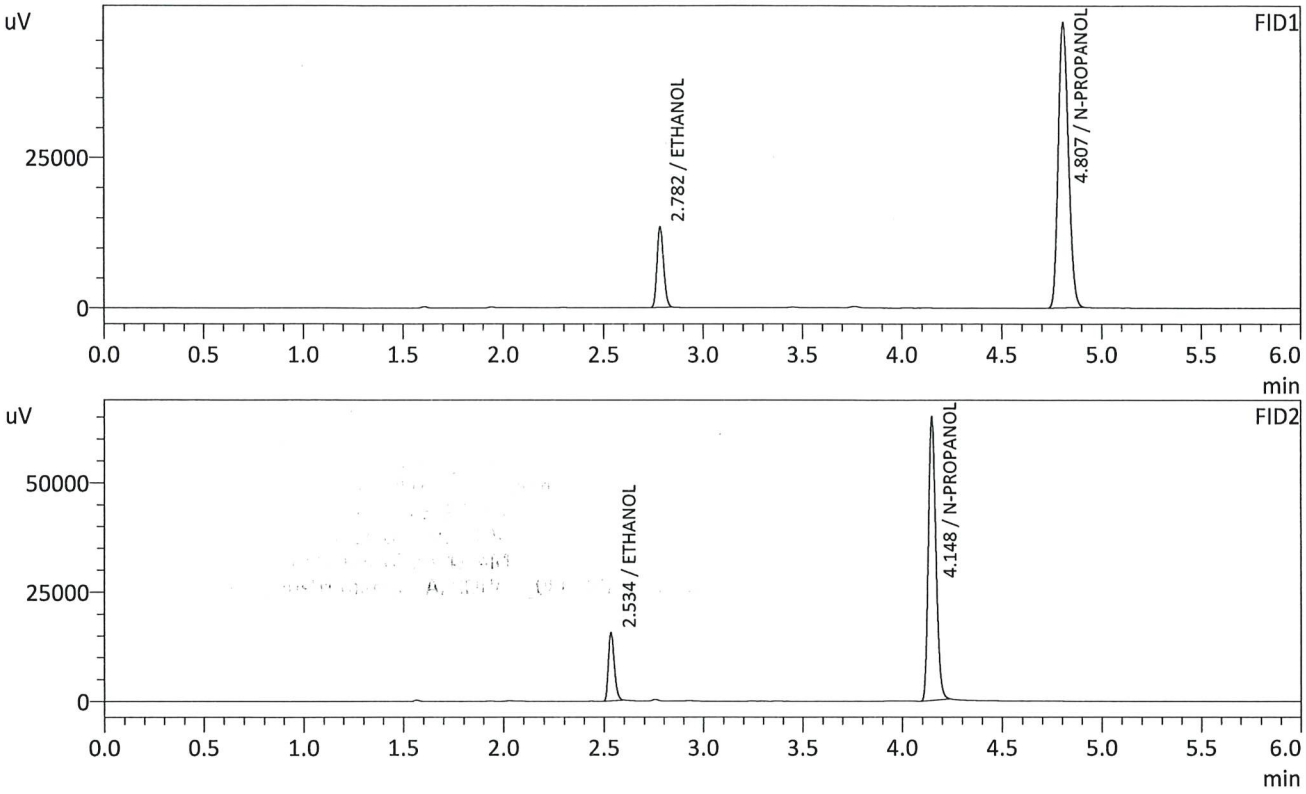
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0888	g/100cc	31537	13354
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167418	47675
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0877	g/100cc	31825	15557
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170326	64198
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-3-B
Vial # : 74
Data Filename : QC1-3-B_832023_074.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 10:45:31 PM
Date Processed : 8/7/2023 10:23:41 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

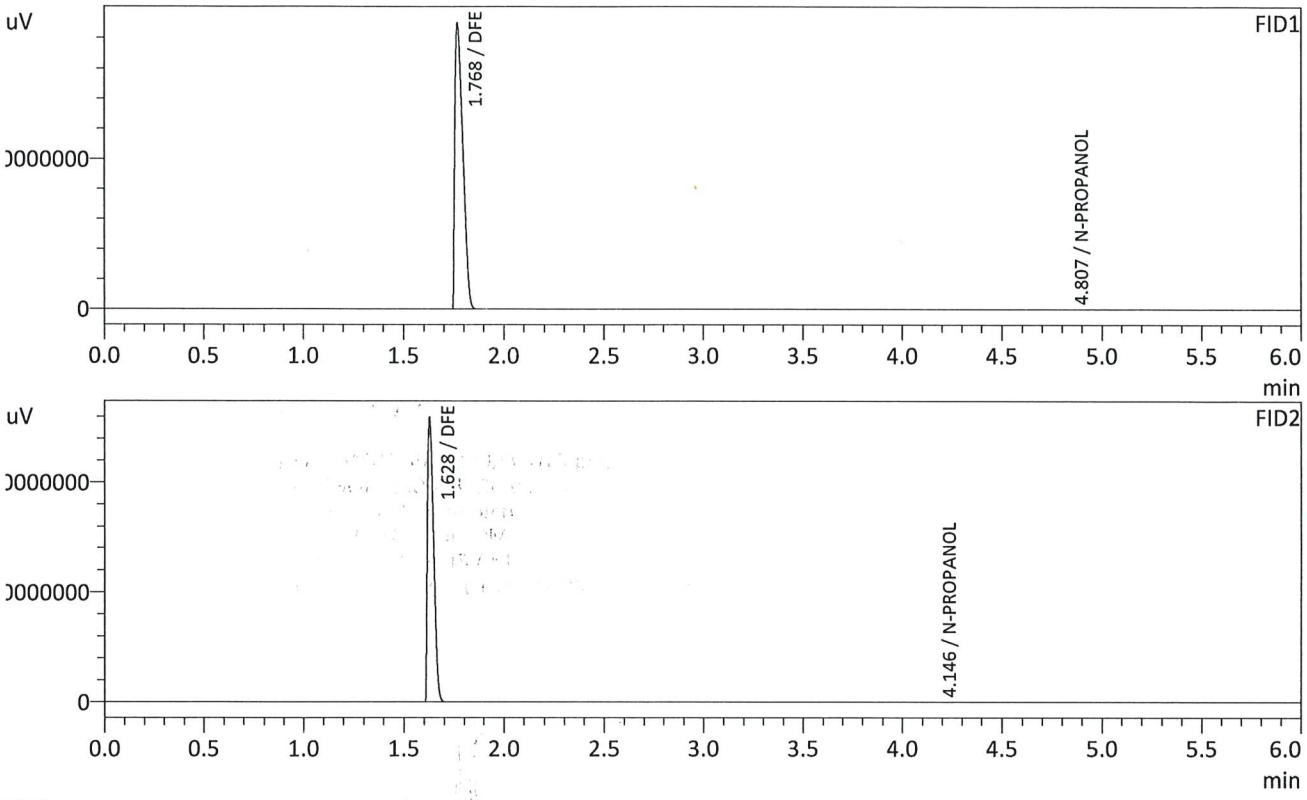
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0882	g/100cc	31378	13291
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167803	47565
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0869	g/100cc	31597	15400
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170592	64691
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : DFE OMO4736
Vial # : 75
Data Filename : DFE OMO4736_832023_075.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 10:54:49 PM
Date Processed : 8/7/2023 10:23:45 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



FID1

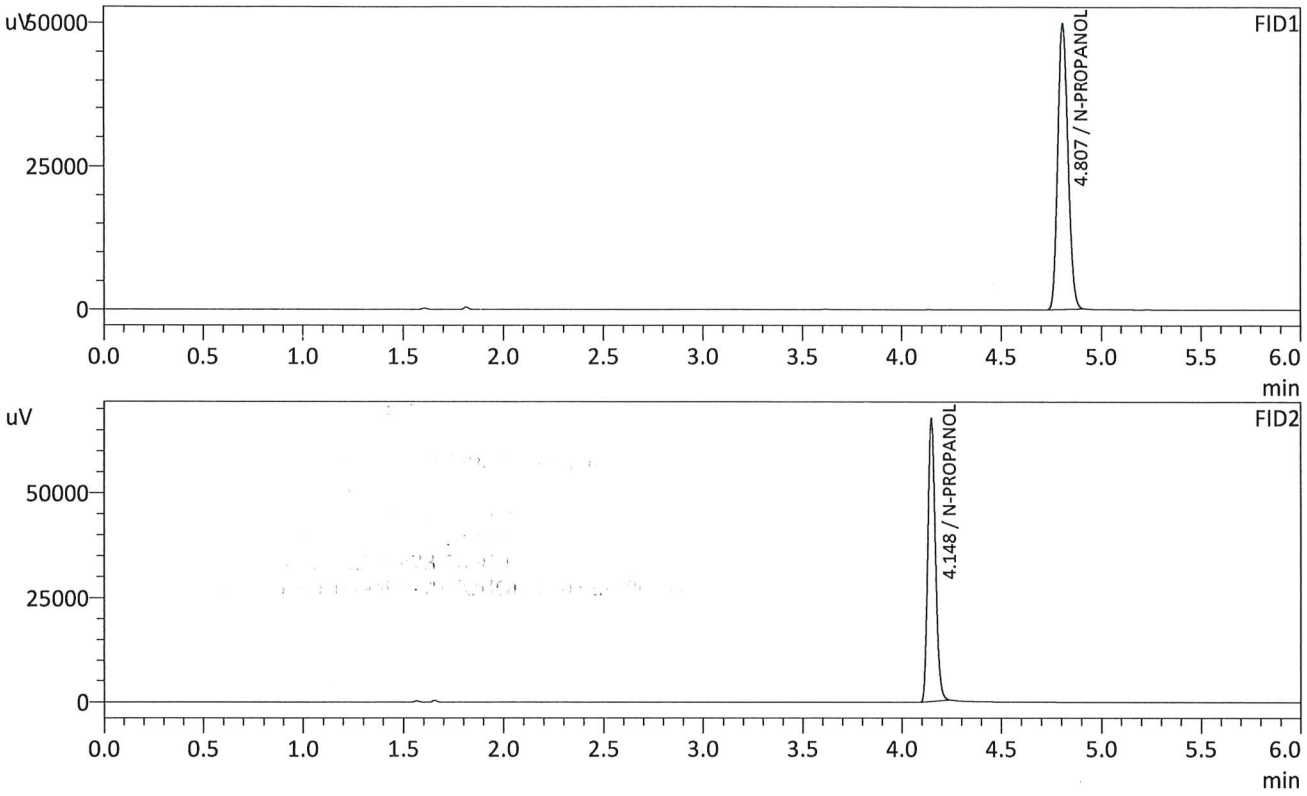
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	57524	16112
DFE	0.0000	g/100cc	266067419	94365160
TFE	--	g/100cc	--	--

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	56016	20687
DFE	0.0000	g/100cc	277444443	129016925
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
Vial # : 76
Data Filename : INT STD BLK 3_832023_076.gcd
Method Filename : ALCOHOL_080323_RC.gcm
Batch Filename : BATCH_080323_RC.gcb
Date Acquired : 8/3/2023 11:04:38 PM
Date Processed : 8/7/2023 10:23:50 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_080323_RC.gcm



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	174515	49566
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	178072	67414
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662
Shimadzu HS-20 Serial Number: C12595700014
LabSolutions Version 6.117

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL_080323_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_080323_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_080323_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_080323_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_080323_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_080323_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_080323_RC.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL_080323_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_080323_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_080323_RC.gcm		0
13	P2023-2233-2	0:Unknown	ALCOHOL_080323_RC.gcm		0
14	P2023-2233-2-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
15	P2023-2234-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
16	P2023-2234-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
17	P2023-2252-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
18	P2023-2252-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
19	P2023-2253-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
20	P2023-2253-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
21	P2023-2266-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
22	P2023-2266-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
23	P2023-2275-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
24	P2023-2275-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
25	P2023-2277-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
26	P2023-2277-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
27	P2023-2281-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
28	P2023-2281-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
29	P2023-2319-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
30	P2023-2319-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
33	P2023-2326-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
34	P2023-2326-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
35	P2023-2327-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
36	P2023-2327-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
37	P2023-2329-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
38	P2023-2329-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
39	P2023-2330-2	0:Unknown	ALCOHOL_080323_RC.gcm		0
40	P2023-2330-2-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
41	P2023-2333-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
42	P2023-2333-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
43	P2023-2335-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
44	P2023-2335-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
45	P2023-2336-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
46	P2023-2336-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
47	P2023-2342-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
48	P2023-2342-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
49	P2023-2351-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
50	P2023-2351-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
51	P2023-2355-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
52	P2023-2355-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_080323_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
55	P2023-2358-2	0:Unknown	ALCOHOL_080323_RC.gcm		0
56	P2023-2358-2-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
57	P2023-2371-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
58	P2023-2371-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
59	P2023-2381-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
60	P2023-2381-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
61	P2023-2384-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
62	P2023-2384-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
63	P2023-2385-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
64	P2023-2385-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
65	P2023-2386-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
66	P2023-2386-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
67	P2023-2400-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
68	P2023-2400-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
69	P2023-2401-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
70	P2023-2401-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
71	P2023-2402-1	0:Unknown	ALCOHOL_080323_RC.gcm		0
72	P2023-2402-1-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
73	QC1-3	0:Unknown	ALCOHOL_080323_RC.gcm		0
74	QC1-3-B	0:Unknown	ALCOHOL_080323_RC.gcm		0
75	DFE OMO4736	0:Unknown	ALCOHOL_080323_RC.gcm		0
76	INT STD BLK 3	0:Unknown	ALCOHOL_080323_RC.gcm		0

Idaho State Police
Forensic Services

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): ISP Dev BLA-23-02

Date of Request:
8/15/2023

Requestor/Discipline:
Rachel Cutler/Volatiles

Analytical Method/Quality Standard, Revision #:
Blood Alcohol AM #2: 4.2 Authentication of Matrix Controls
4.2.1.2 Matrix controls must be authenticated prior to being used in sample runs.
4.2.1.3 At least two analysts, each from a different laboratory, will run the new lot of control as if it were a case sample.

Temporary or Permanent Deviation:

Temporary until the next method update.

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc):
Deviation is for one batch (28 samples) of blood alcohol cases in which results have yet to be released.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual):

A POC analyst authenticated Cliniqa QC1 blood ethanol matrix control lot number 2209047 on 03/23/2023. The analyst was not aware this was a different lot than CDA and MER received (even though the controls were all ordered at similar time) so when the analyst saw an email saying QC1 had been approved for use, the analyst assumed it was the same lot the POC lab had received and authenticated. During technical review of a batch of cases run on 8/3/23, it was discovered that only the POC lab had authenticated this lot. No cases have been approved/reports issued that used this lot. The new lot was run by the Volatiles DL on 8/11/23 and approved for use. Requesting a deviation to use this lot of QC1 for 8/3/23 run, now that it has been authenticated by two labs, per the method.

Technical Justification for Analytical Method Deviations:
The intent of the method was to have the control not be authenticated during the run that it was being used as one of the matrix controls. The new control had to be bracketed by two authenticated controls during its authentication run as a case sample, which was done in this case. An update to the method will be made so that section 4.2.1.2 reads as follows: 4.2.1.2 Matrix controls must be run for authentication authenticated prior to being used in sample runs.

RC

Technical Review

☒ Departure approved
Comments:

☐ Departure Not Approved
Comments:

Approver: Jeremy Johnson Date: 8/15/23
Title: Volatile Analysis Discipline Lead

Quality Review

Quality Approver: Lisa Mattox
Title: Quality Improvement Manager
Date: 8/17/2023

JC

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 08/03/23**

Calibration Date: *(if different)* :

Worklist #: 6459

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0788 g/100cc
					0.0866 g/100cc
					0.0879 g/100cc
Level 2	Feb-25	2110181	0.2030	0.1827-0.2233	0.2056 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp:	2024 October	Lot #	FN06041902 OK	
Curve Fit:		Column 1	0.99996	Column2	0.99990

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0488	0.0469	0.0019	0.0478
100	0.100	0.090 - 0.110	0.0986	0.0961	0.0025	0.0973
200	0.200	0.180 - 0.220	0.1981	0.1959	0.0022	0.197
300	0.300	0.270 - 0.330	0.2982	0.2972	0.001	0.2977
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5022	0.5043	0.0021	0.5032

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.078 g/100cc

Not used.
RC
8/17/23

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #:	6459	Run Date(s):	08/03/23

Internal Standard Solution:	Prep Date:	6/28/2023	Exp Date:	12/28/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	153813	157903
0.080	154517	158575
QC1	156673	160833
QC1	156803	161004
QC1	160438	163599
QC1	160339	163514
QC1	167418	170326
QC1	167803	170592
QC2	149239	151790
QC2	152738	155606
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	157978.1	126382.5	189573.7
Column 2	161374.2	129099.4	193649.0

Not used.
RC
8/17/23