APPROVED
By John Garner at 10:36 am, May 31, 2024

5/31/2024

Worklist: 6826

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2024-1171	3	BCK	Alcohol Analysis
P2024-1475	1	BCK	Alcohol Analysis
P2024-1476	1	BCK	Alcohol Analysis
P2024-1477	1	BCK	Alcohol Analysis
P2024-1487	2	BCK	Alcohol Analysis
P2024-1493	1	BCK	Alcohol Analysis
P2024-1503	1	BCK	Alcohol Analysis
P2024-1516	1	BCK	Alcohol Analysis
P2024-1517	1	BCK	Alcohol Analysis
P2024-1518	1	BCK	Alcohol Analysis
P2024-1519	1	BCK	Alcohol Analysis
P2024-1520	1	BCK	Alcohol Analysis
P2024-1521	1	BCK	Alcohol Analysis
P2024-1522	2	BCK	Alcohol Analysis
P2024-1526	1	BCK	Alcohol Analysis
P2024-1528	1	BCK	Alcohol Analysis
P2024-1553	1	BCK	Alcohol Analysis
P2024-1602	1	BLOOD	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): 5/30/24**

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

Worklist #: 6826

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0817 g/100cc
					0.0881 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2039 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp:	2024 October	Lot #	FN06041902 OK	
Curve Fit:		Column 1	0.99993	Column2	0.99988

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0514	0.0519	0.0005	0.0516
100	0.100	0.090 - 0.110	0.1002	0.1001	0.0001	0.1001
200	0.200	0.180 - 0.220	0.1985	0.1982	0.0003	0.1983
300	0.300	0.270 - 0.330	0.2984	0.2978	0.0006	0.2981
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5013	0.5017	0.0004	0.5015

Aqueous Controls

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

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

Internal Standard Monitoring Worksheet

Worklist #:	6826	Run Date(s):	5/30/24

Internal Standard Solution:	Prep Date: 5/30/2024	Exp Date: 11/30/2024

Sample Name	Column 1 Value	Column 2 Value
0.080	179452	180085
0.080	180120	180653
QC1	180865	181308
QC1	181987	182556
QC1	187436	191599
QC1	191844	196158
QC1		
QC1		
QC2	172270	175802
QC2	180960	184658
QC2		
QC2		
QC2		
QC2		

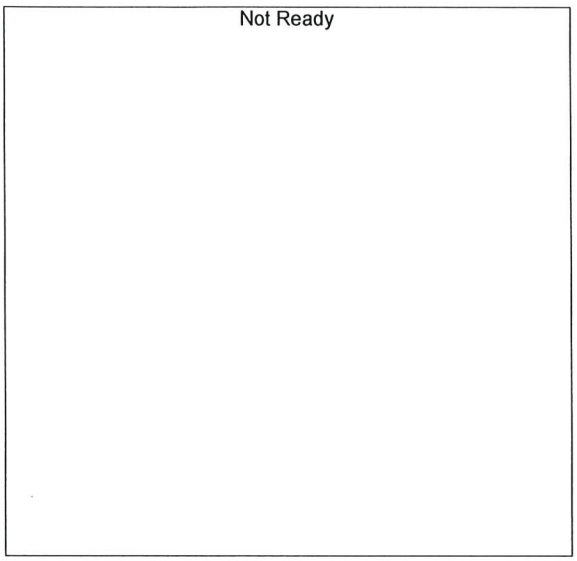
	Average	(-)20%	(+)20%
Column 1	181866.8	145493.4	218240.1
Column 2	184102.4	147281.9	220922.9

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

Calibration Table

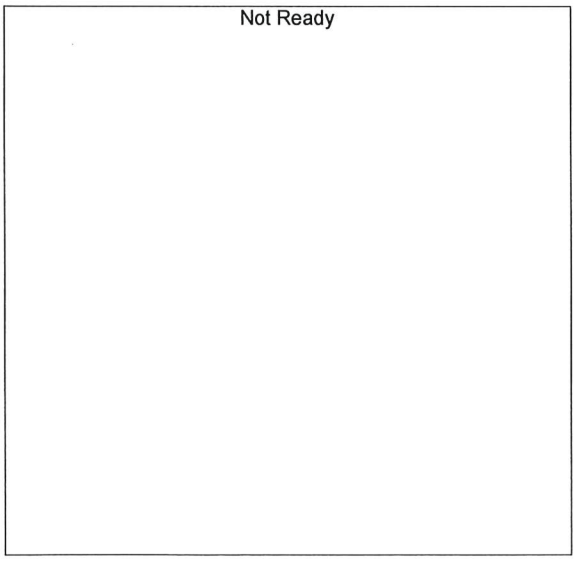
Laboratory: Pocatello
Instrument Name : : GC SN- C12255850662 / HS SN- C12595700014

<<Data File>>
Method File :Default Project - ALCOHOL_053024_RC.gcm
Batch File :Default Project - BATCH_053024_RC.gcb
Date Acquired :5/30/2024 3:46:15 PM
Date Created :5/30/2024 3:42:47 PM
Date Modified :5/30/2024 3:52:17 PM



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

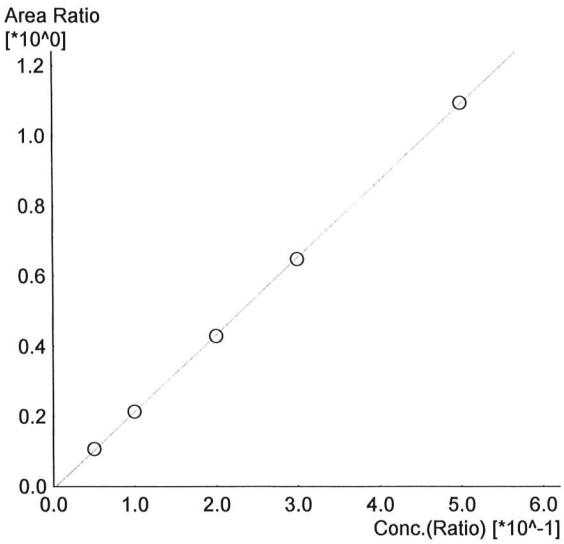
#	Conc.	Area	Std. Conc.	Data File Name



Name : ACETALDEHYDE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

RC



Name : ETHANOL
Detector Name: FID1
Function : f(x)=2.19291*x-0.00610491
R^2 value= 0.9999351
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19146	0.0514	0.050_5302024_001.gcd
2	0.100	38653	0.1002	0.100_5302024_002.gcd
3	0.200	78484	0.1985	0.200_5302024_003.gcd
4	0.300	118243	0.2984	0.300_5302024_004.gcd
5	0.500	200843	0.5013	0.500_5302024_005.gcd

Not Ready

Name : ISOPROPYL ALCOHOL
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

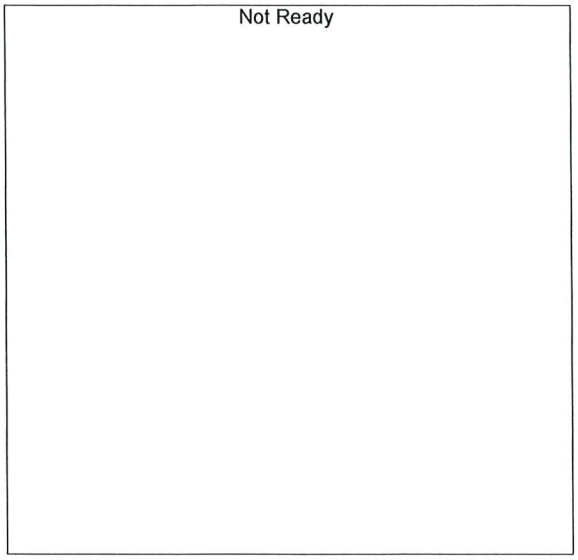
#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

Name : ACETONE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

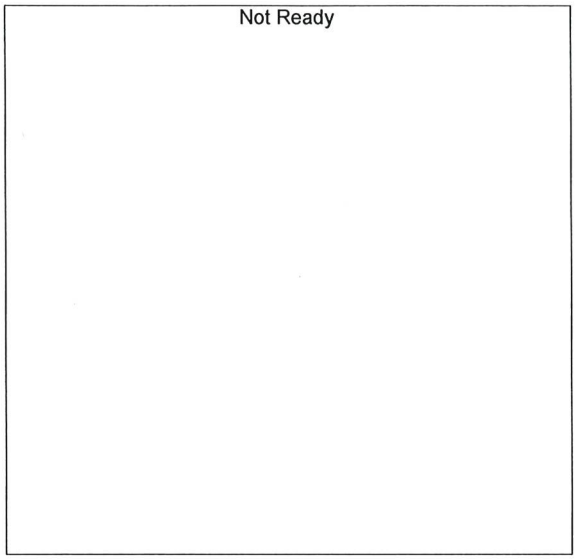
#	Conc.	Area	Std. Conc.	Data File Name

RC



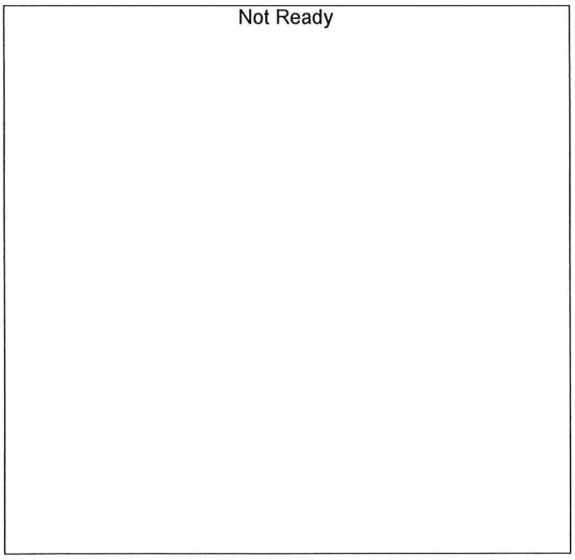
Name : DFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



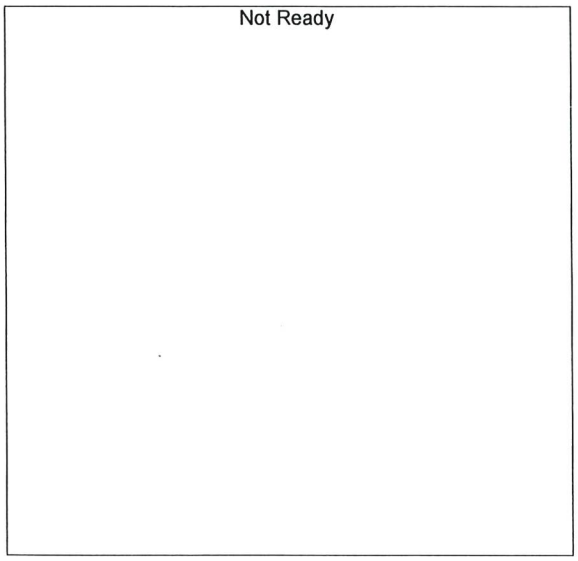
Name : TFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



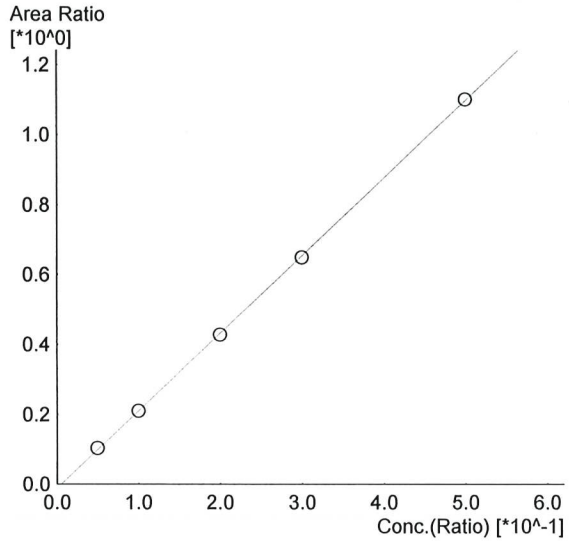
Name : ACETALDEHYDE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



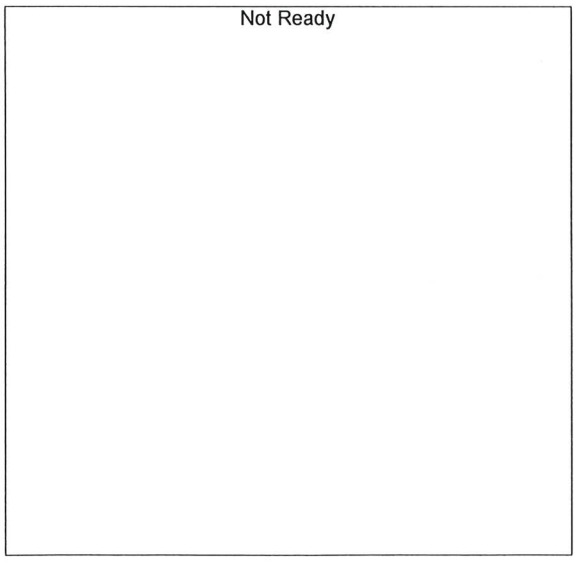
Name : METHANOL
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name



Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.21799*x-0.0120727
R^2 value= 0.9998876
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	18789	0.0519	0.050_5302024_001.gcd
2	0.100	38377	0.1001	0.100_5302024_002.gcd
3	0.200	78815	0.1982	0.200_5302024_003.gcd
4	0.300	119273	0.2978	0.300_5302024_004.gcd
5	0.500	203848	0.5017	0.500_5302024_005.gcd



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

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

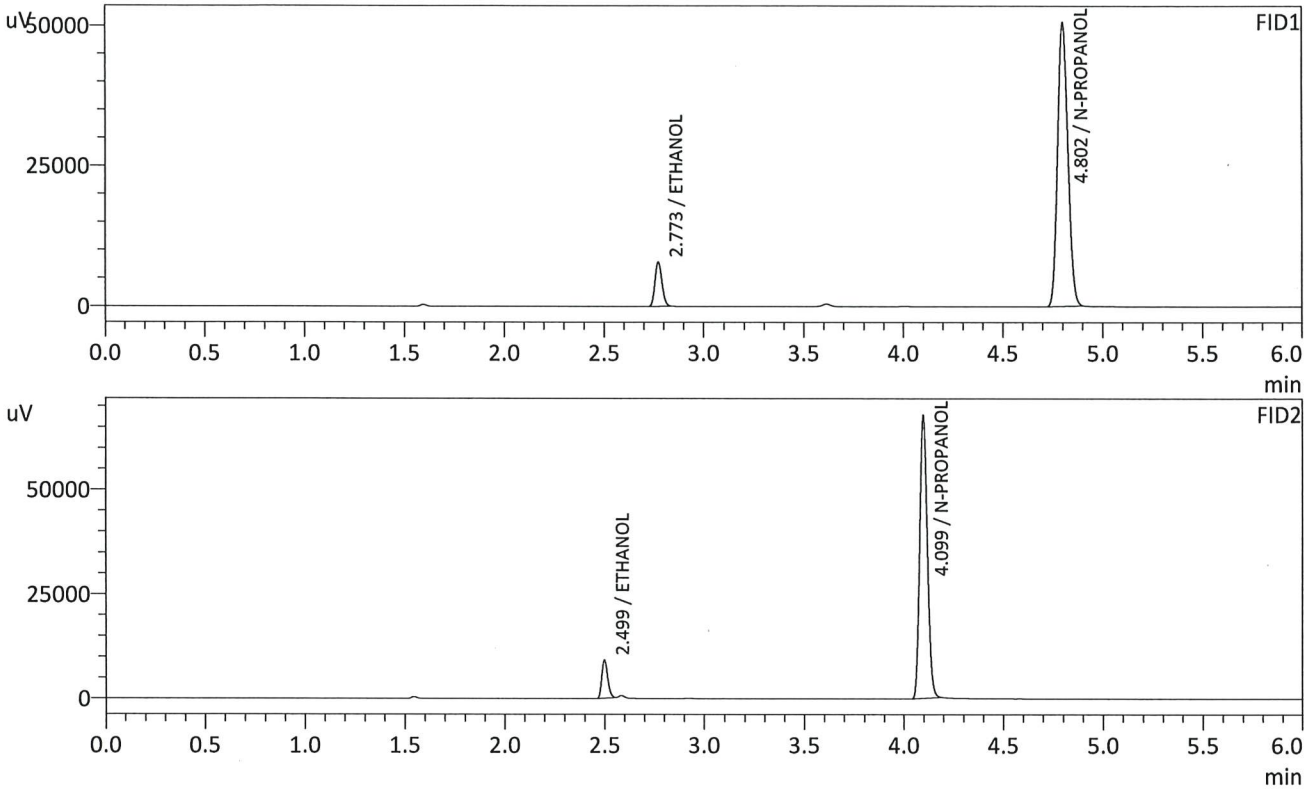
#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

Sample Name : 0.050
Vial # : 1
Data Filename : 0.050_5302024_001.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 3:08:08 PM
Date Processed : 5/31/2024 8:01:38 AM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

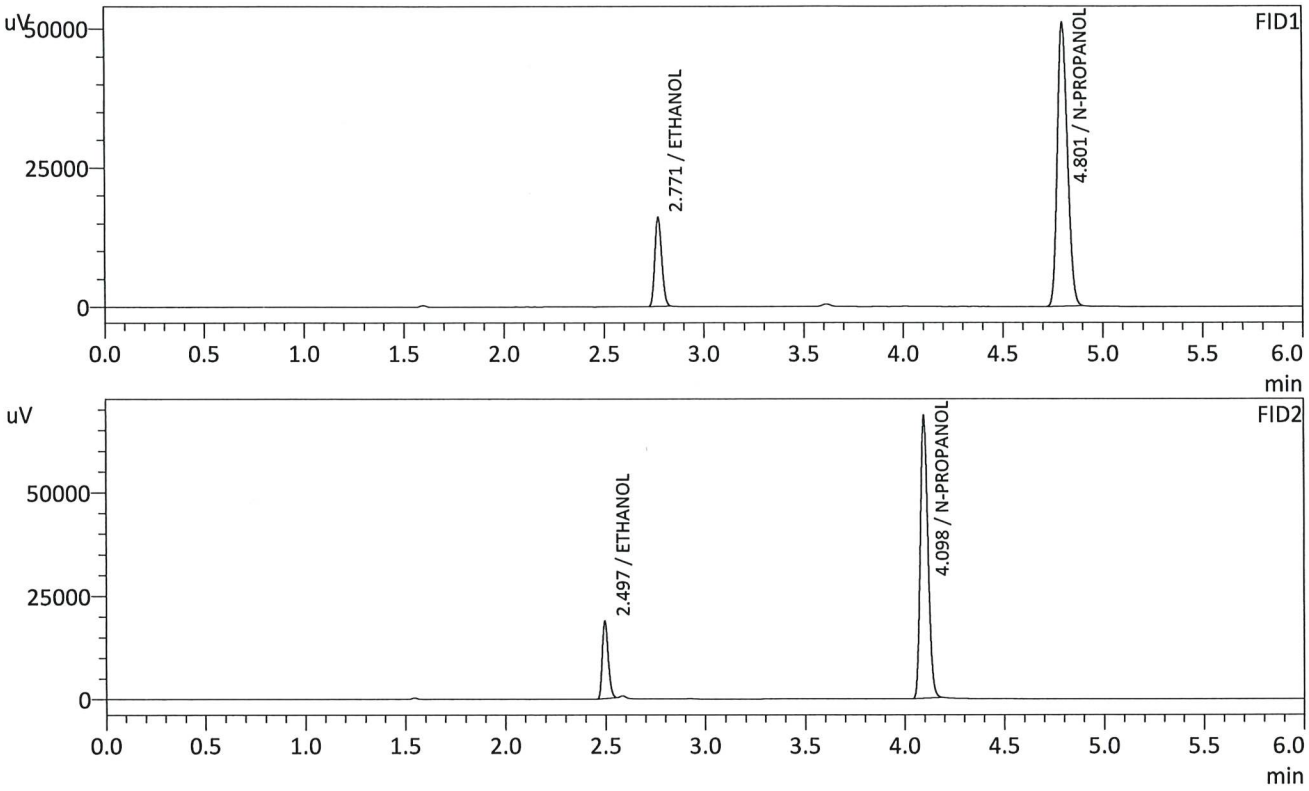
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0514	g/100cc	19146	7832
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179564	50478
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0519	g/100cc	18789	9073
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182092	67557
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
Vial # : 2
Data Filename : 0.100_5302024_002.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 3:17:38 PM
Date Processed : 5/31/2024 8:01:42 AM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

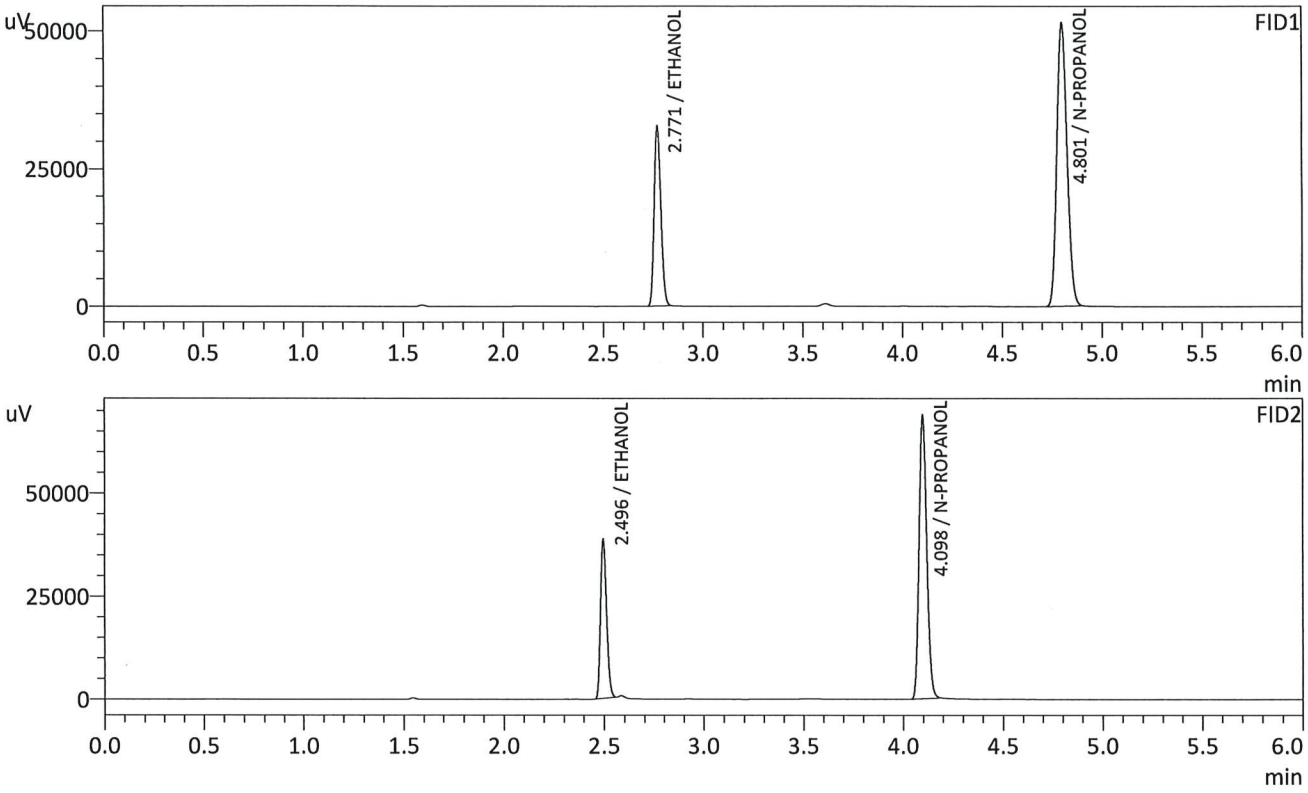
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	38653	15994
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180792	50964
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	38377	18553
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182712	67847
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
Vial # : 3
Data Filename : 0.200_5302024_003.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 3:26:59 PM
Date Processed : 5/31/2024 8:01:45 AM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

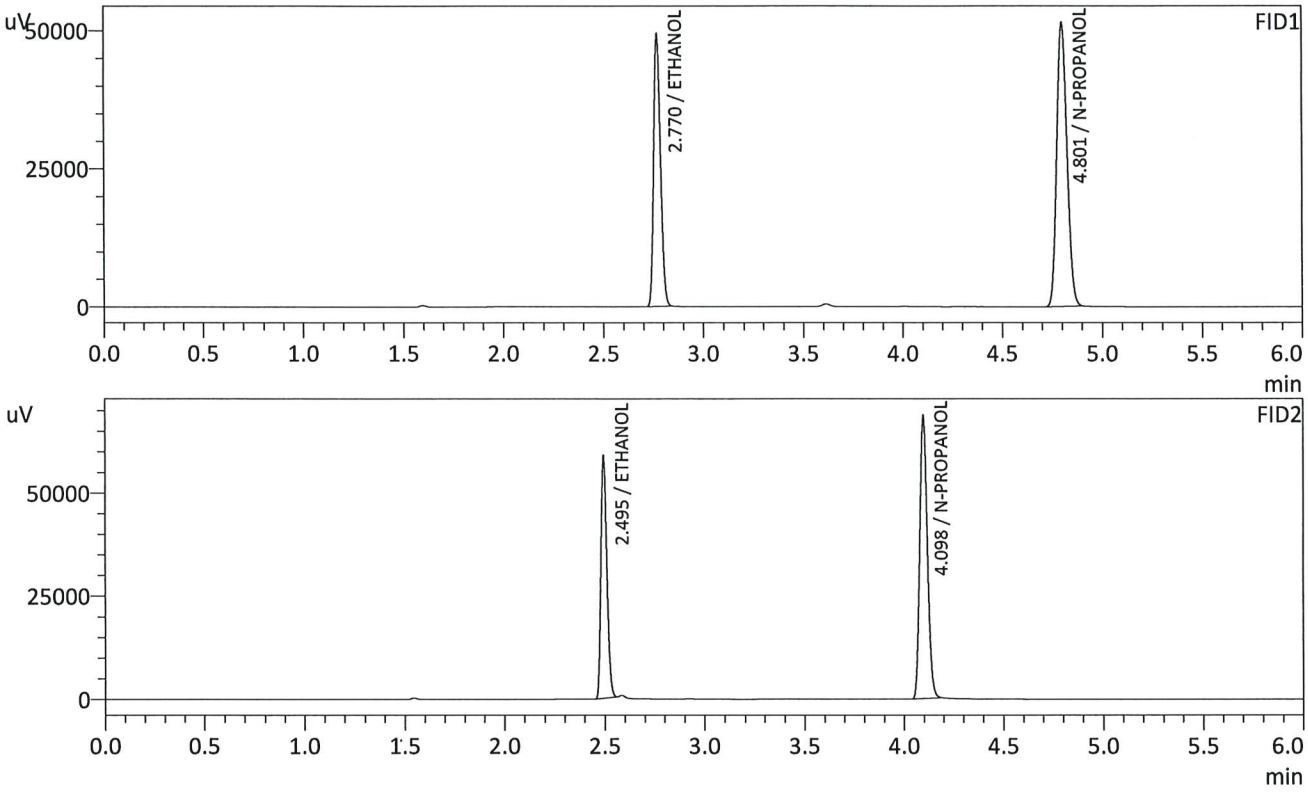
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1985	g/100cc	78484	32699
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182812	51403
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1982	g/100cc	78815	38449
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184265	68504
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
Vial # : 4
Data Filename : 0.300_5302024_004.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 3:36:44 PM
Date Processed : 5/31/2024 8:01:48 AM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

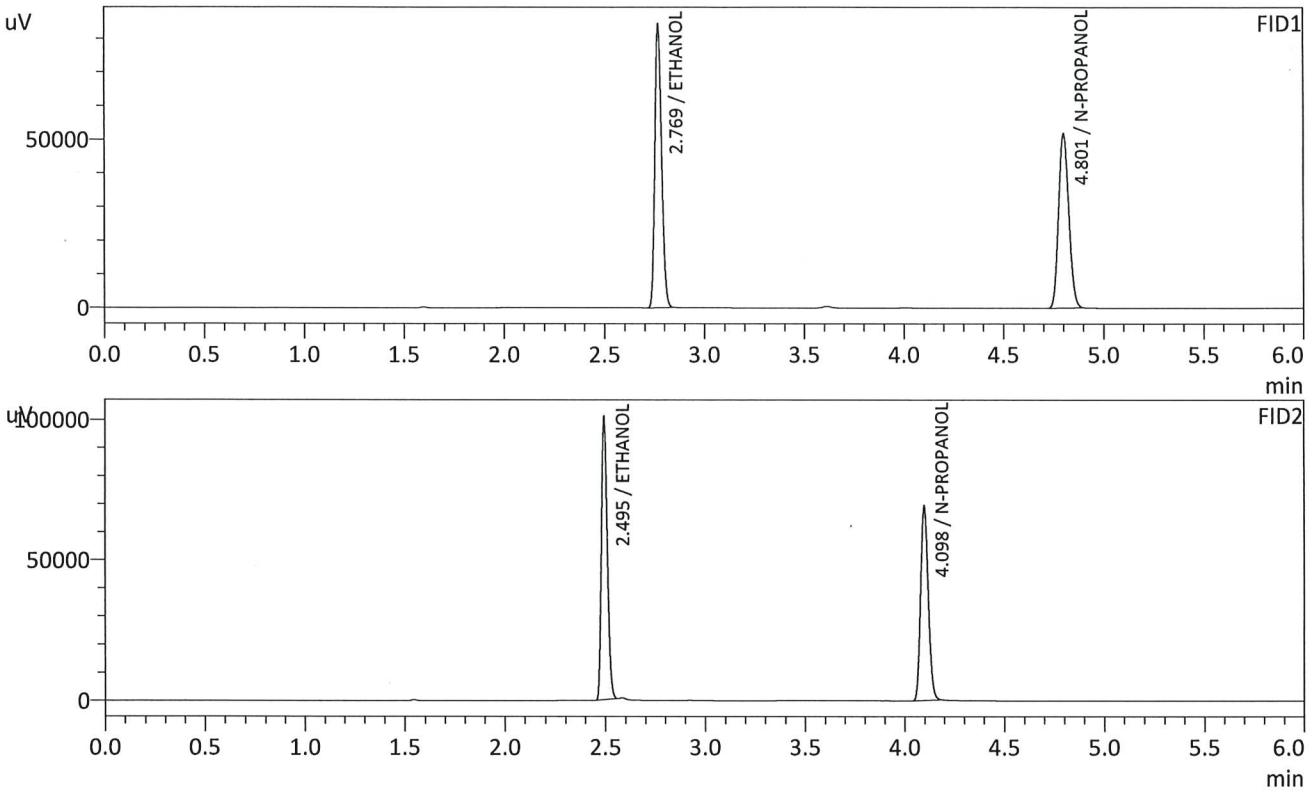
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2984	g/100cc	118243	49322
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182376	51390
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2978	g/100cc	119273	58617
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183894	68071
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
Vial # : 5
Data Filename : 0.500_5302024_005.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 3:46:15 PM
Date Processed : 5/30/2024 3:52:17 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

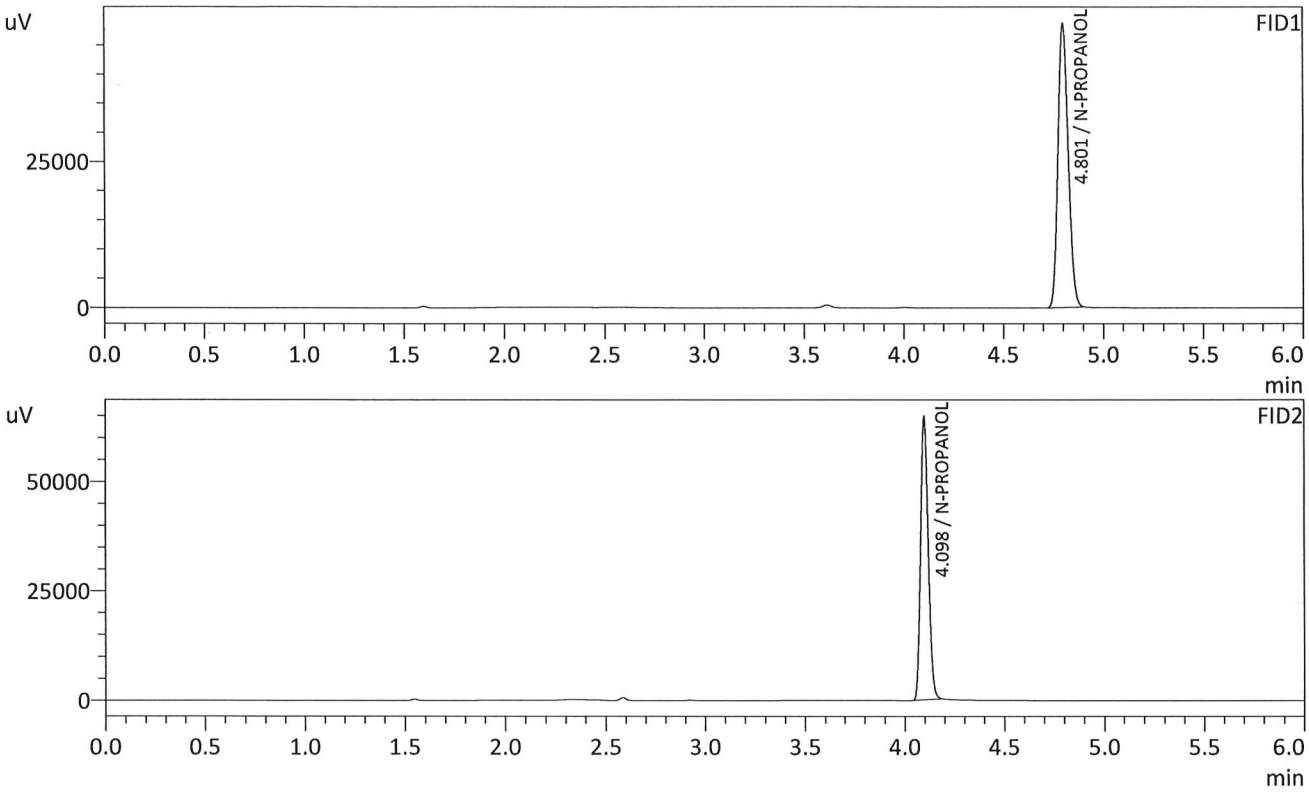
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5013	g/100cc	200843	84110
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183715	51835
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5017	g/100cc	203848	100655
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185185	68704
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1
Vial # : 6
Data Filename : INT STD BLK 1_5302024_006.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 3:55:33 PM
Date Processed : 5/30/2024 4:01:34 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



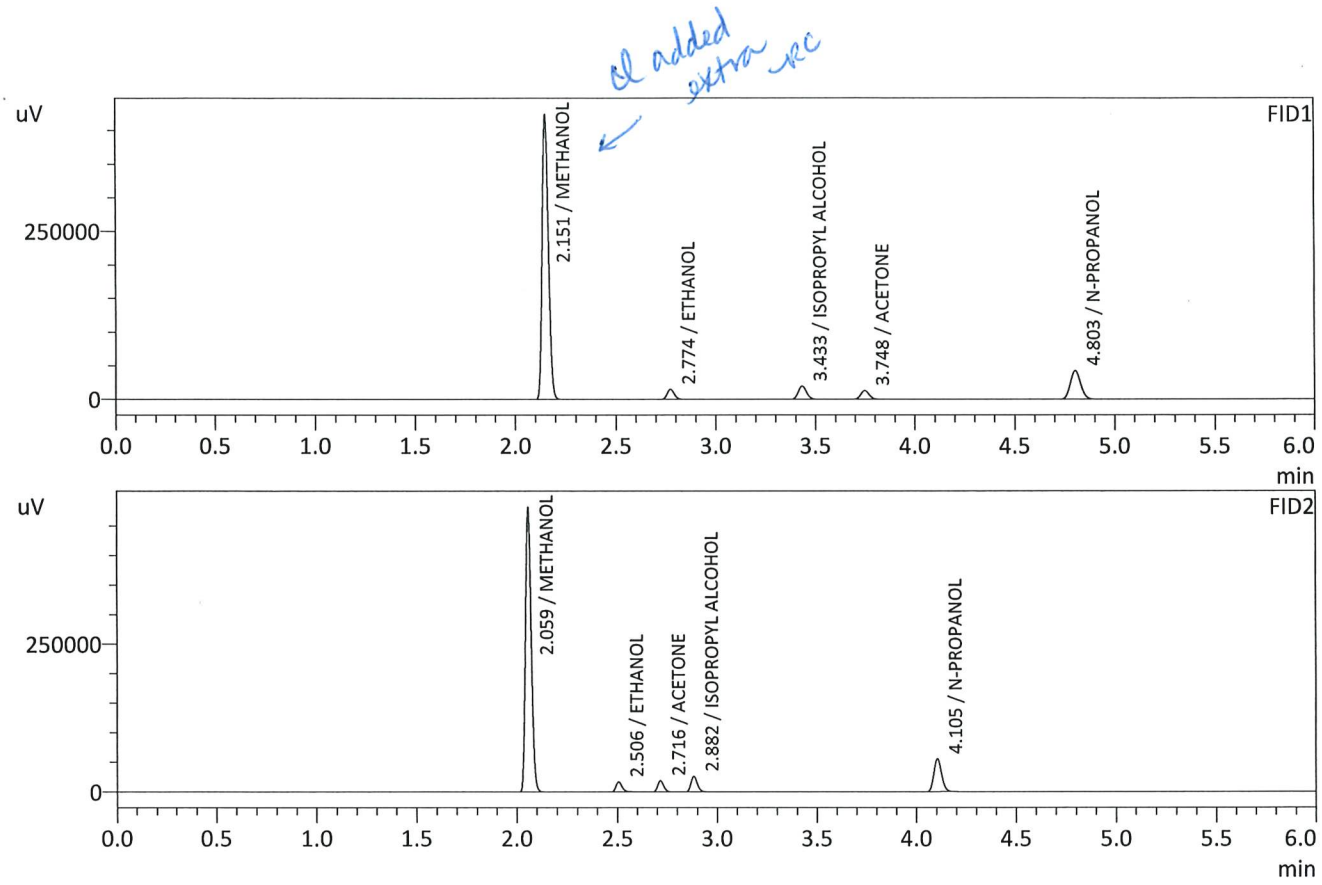
FID1

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	171989	48661
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	173047	64147
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX
Vial # : 7
Data Filename : MULTI-COMP MIX_5302024_007.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 4:05:16 PM
Date Processed : 5/30/2024 4:11:17 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

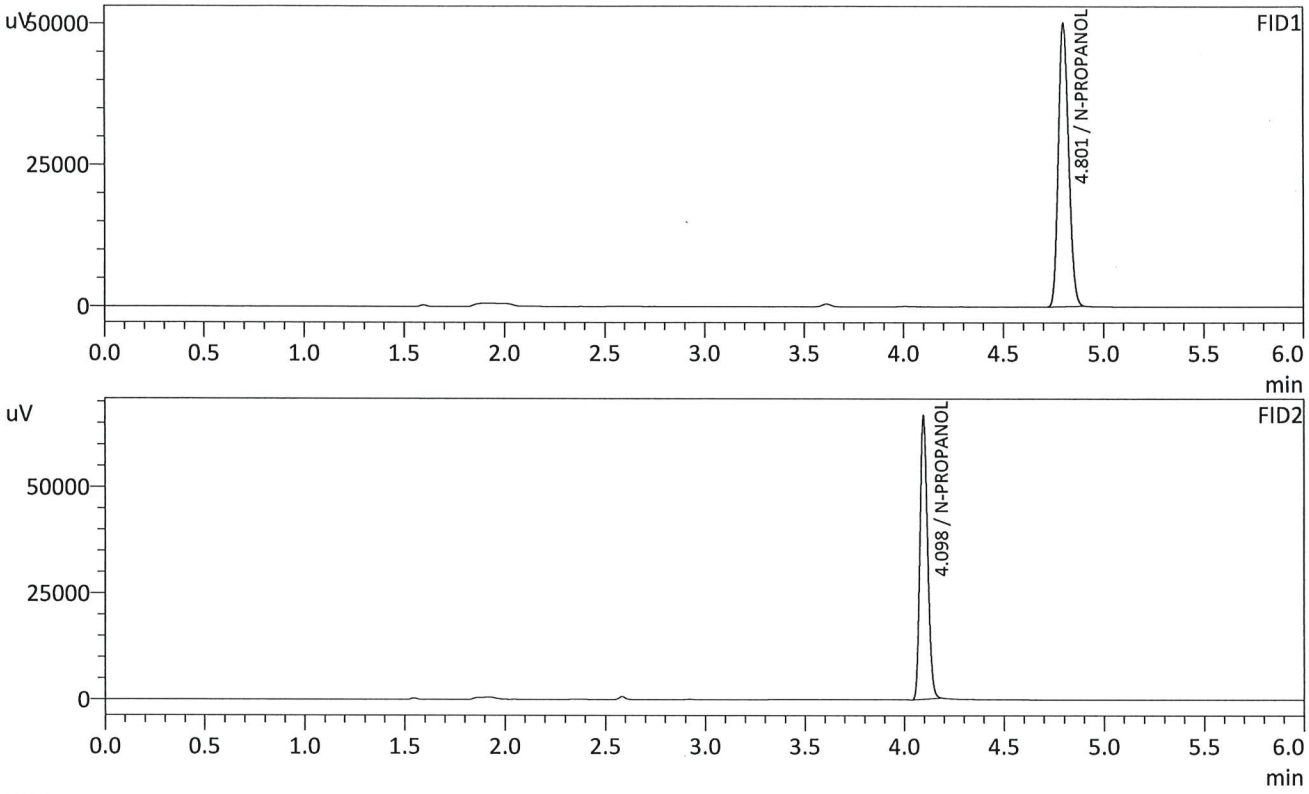
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	916198	419296
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1115	g/100cc	35802	14744
ISOPROPYL ALCOHOL	0.0000	g/100cc	55890	19571
ACETONE	0.0000	g/100cc	37151	12646
N-PROPANOL	0.0000	g/100cc	150120	42315
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	949842	476923
ETHANOL	0.1107	g/100cc	34700	16501
ACETONE	0.0000	g/100cc	38794	18544
ISOPROPYL ALCOHOL	0.0000	g/100cc	56707	26088
N-PROPANOL	0.0000	g/100cc	148561	55539
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
Vial # : 8
Data Filename : INT STD BLK 2_5302024_008.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 4:14:49 PM
Date Processed : 5/30/2024 4:20:51 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



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	177514	50109
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	178118	66142
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1 **Analysis Date(s): 5/30/2024 4:24:07 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0821	0.0816	0.0005	0.0818	0.0002	0.0817
(g/100cc)	0.0819	0.0813	0.0006	0.0816		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_053024_RC.gcm

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

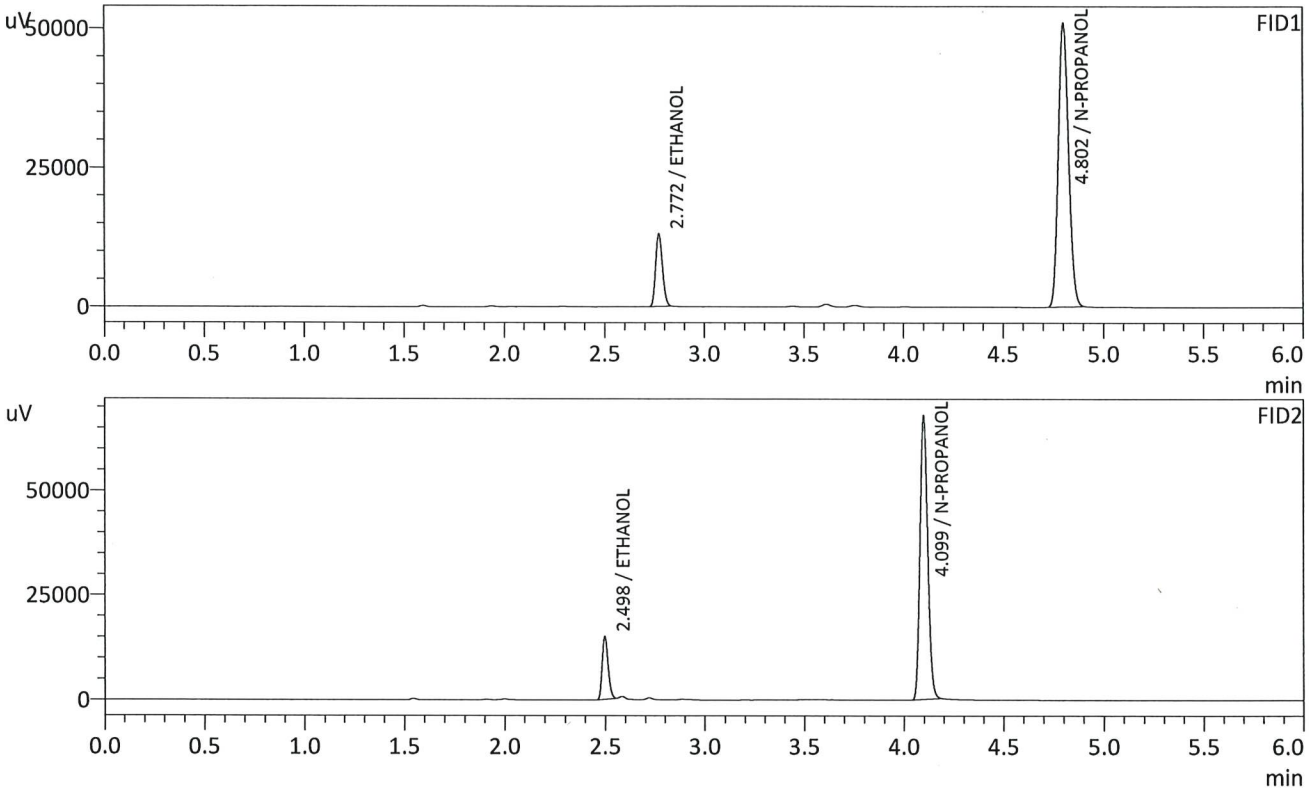
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

RC

Sample Name : QC1-1
Vial # : 9
Data Filename : QC1-1_5302024_009.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 4:24:07 PM
Date Processed : 5/30/2024 4:30:09 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

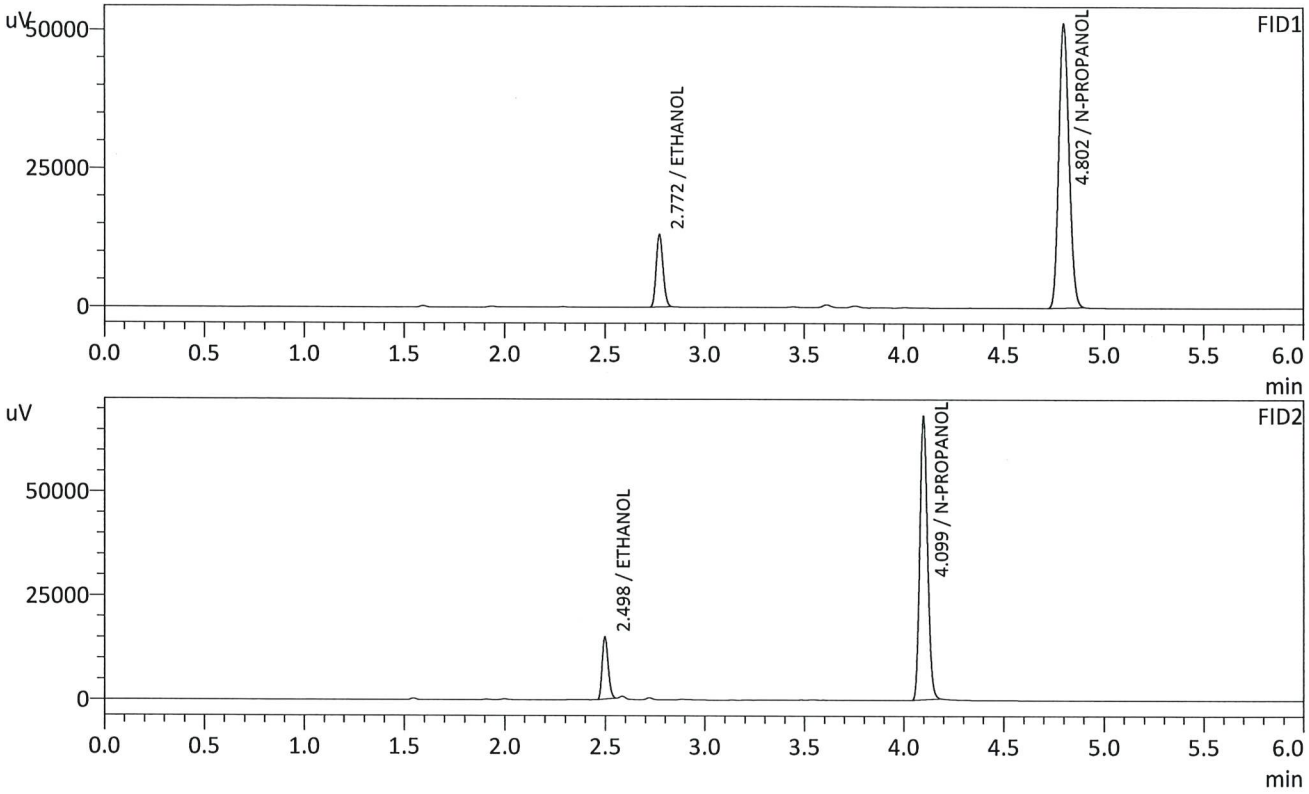
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0821	g/100cc	31474	12950
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180865	50879
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	30661	14871
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181308	67639
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B
Vial # : 10
Data Filename : QC1-1-B_5302024_010.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 4:33:52 PM
Date Processed : 5/30/2024 4:39:54 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	31605	12998
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181987	51162
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	30746	14886
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182556	68147
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 5/30/2024 4:43:23 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0805	0.0003	0.0806	0.0003	0.0808
(g/100cc)	0.0814	0.0805	0.0009	0.0809		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_053024_RC.gcm

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

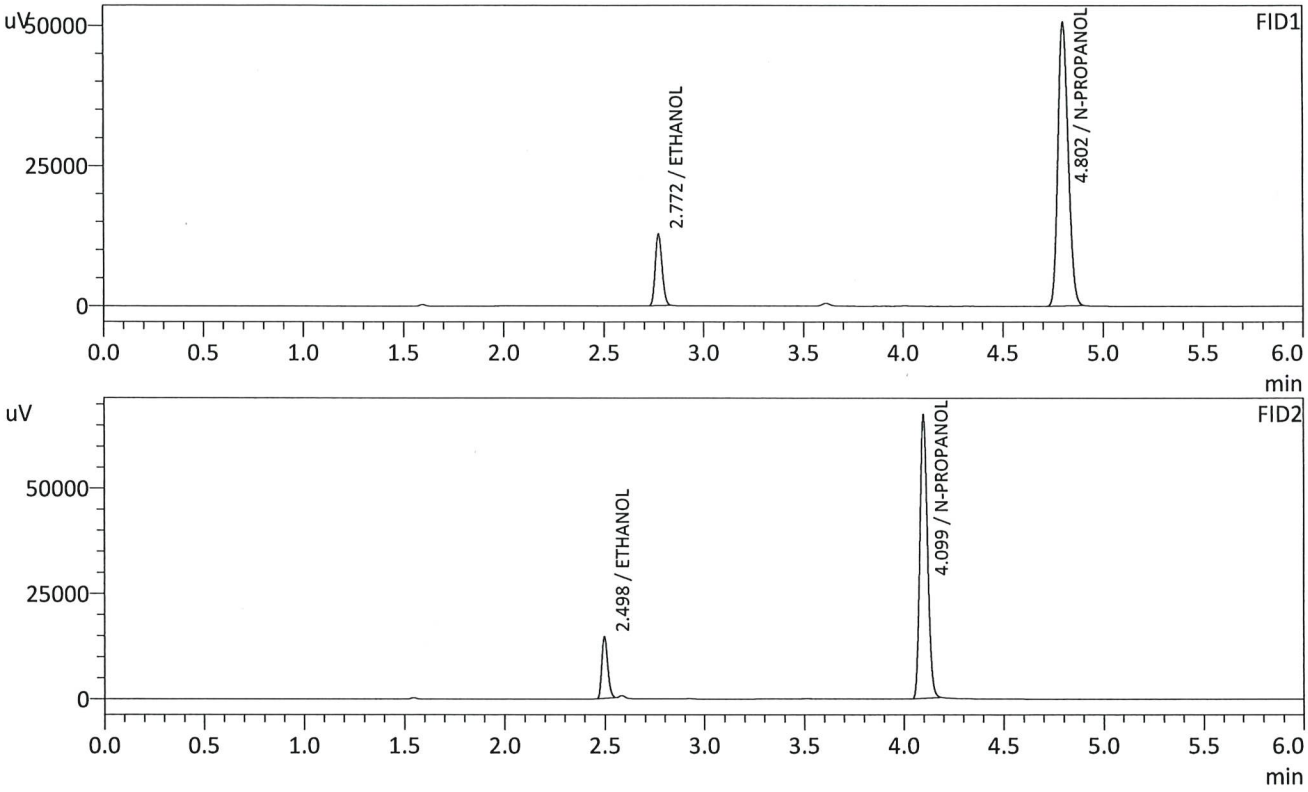
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results
0.080

Calibration and control data are stored centrally.

RC

Sample Name : 0.08 QA
Vial # : 11
Data Filename : 0.08 QA _5302024_011.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 4:43:23 PM
Date Processed : 5/30/2024 4:49:24 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

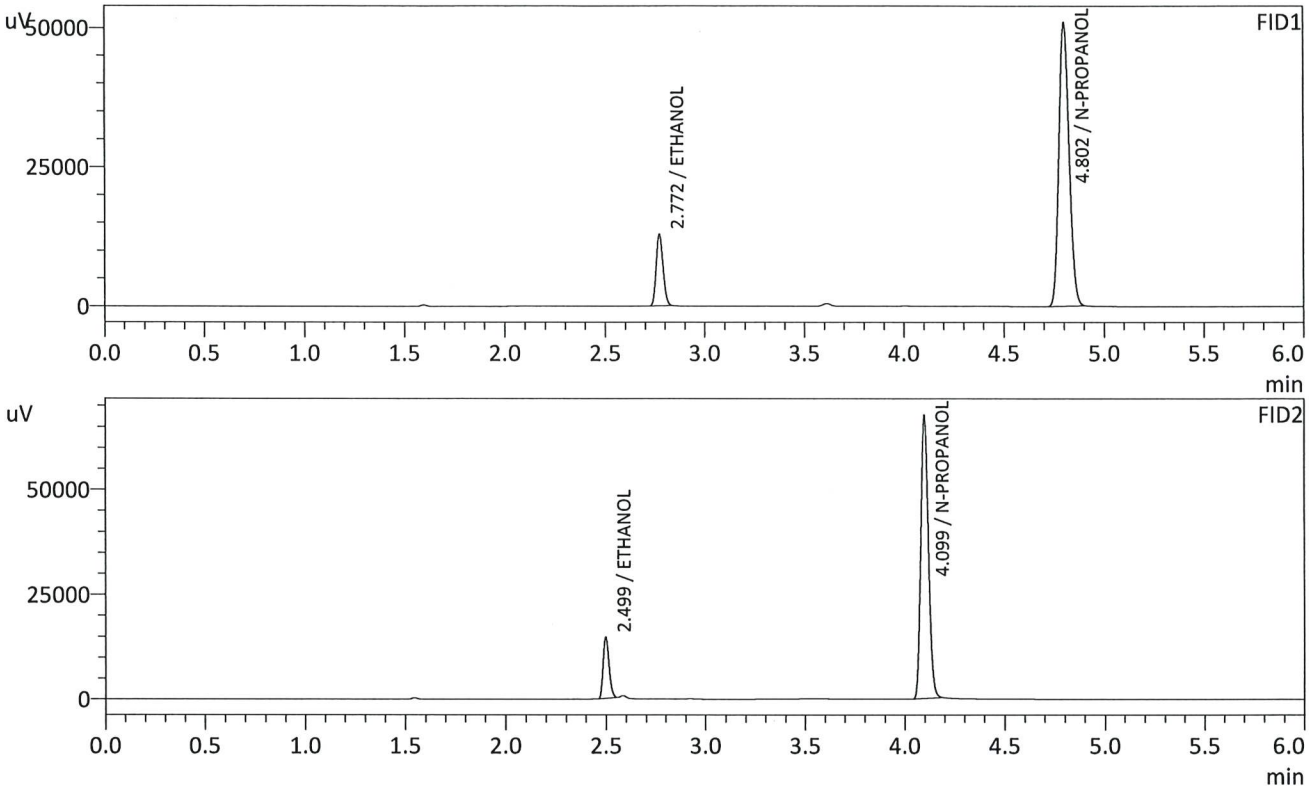
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	30723	12660
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179452	50463
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	29993	14518
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180085	67217
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
Vial # : 12
Data Filename : 0.08 QA - B_5302024_012.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 4:52:40 PM
Date Processed : 5/30/2024 4:58:43 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	31056	12727
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180120	50832
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	30114	14618
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180653	67439
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1 **Analysis Date(s): 5/30/2024 7:53:48 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2026	0.2011	0.0015	0.2018	0.0043	0.2039
(g/100cc)	0.2068	0.2054	0.0014	0.2061		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_053024_RC.gcm

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

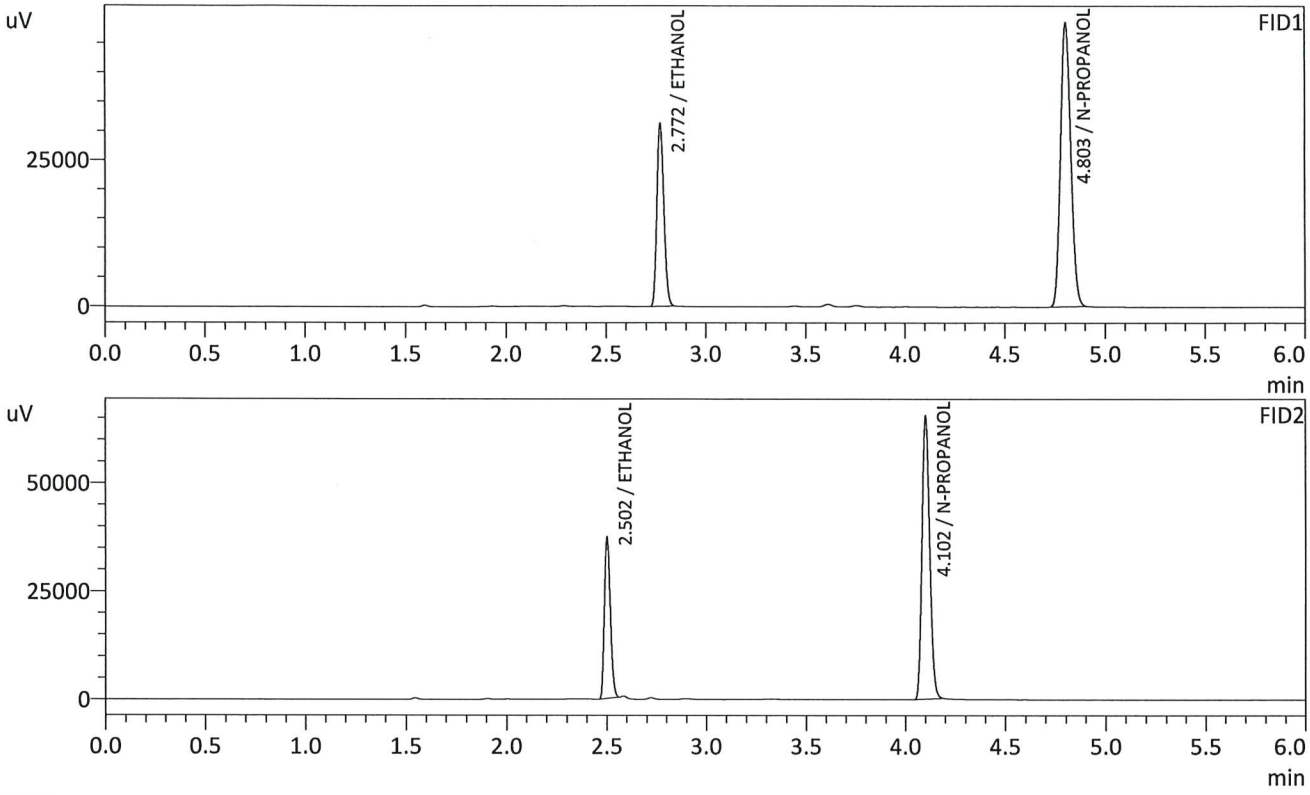
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.203	0.192	0.214	0.011

Reported Results
0.203

Calibration and control data are stored centrally.

RC

Sample Name : QC2-1
Vial # : 31
Data Filename : QC2-1_5302024_031.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 7:53:48 PM
Date Processed : 5/30/2024 7:59:48 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

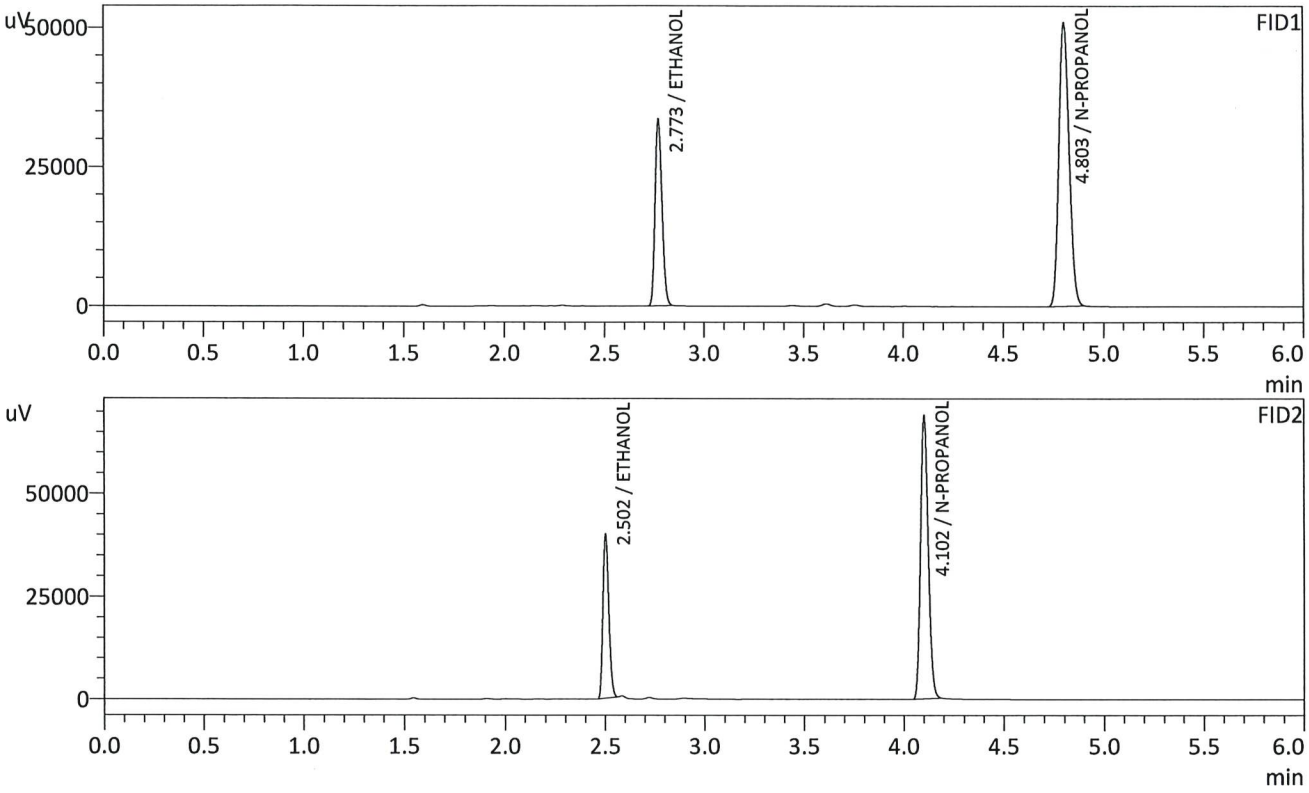
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2026	g/100cc	75502	30917
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172270	48407
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2011	g/100cc	76312	36754
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175802	64974
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
Vial # : 32
Data Filename : QC2-1-B_5302024_032.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 8:03:20 PM
Date Processed : 5/30/2024 8:09:21 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2068	g/100cc	80959	33183
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180960	50826
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2054	g/100cc	81908	39604
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184658	68390
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2 **Analysis Date(s): 5/30/2024 11:04:00 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0881	0.0874	0.0007	0.0877	0.0008	0.0881
(g/100cc)	0.0890	0.0881	0.0009	0.0885		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_053024_RC.gcm

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

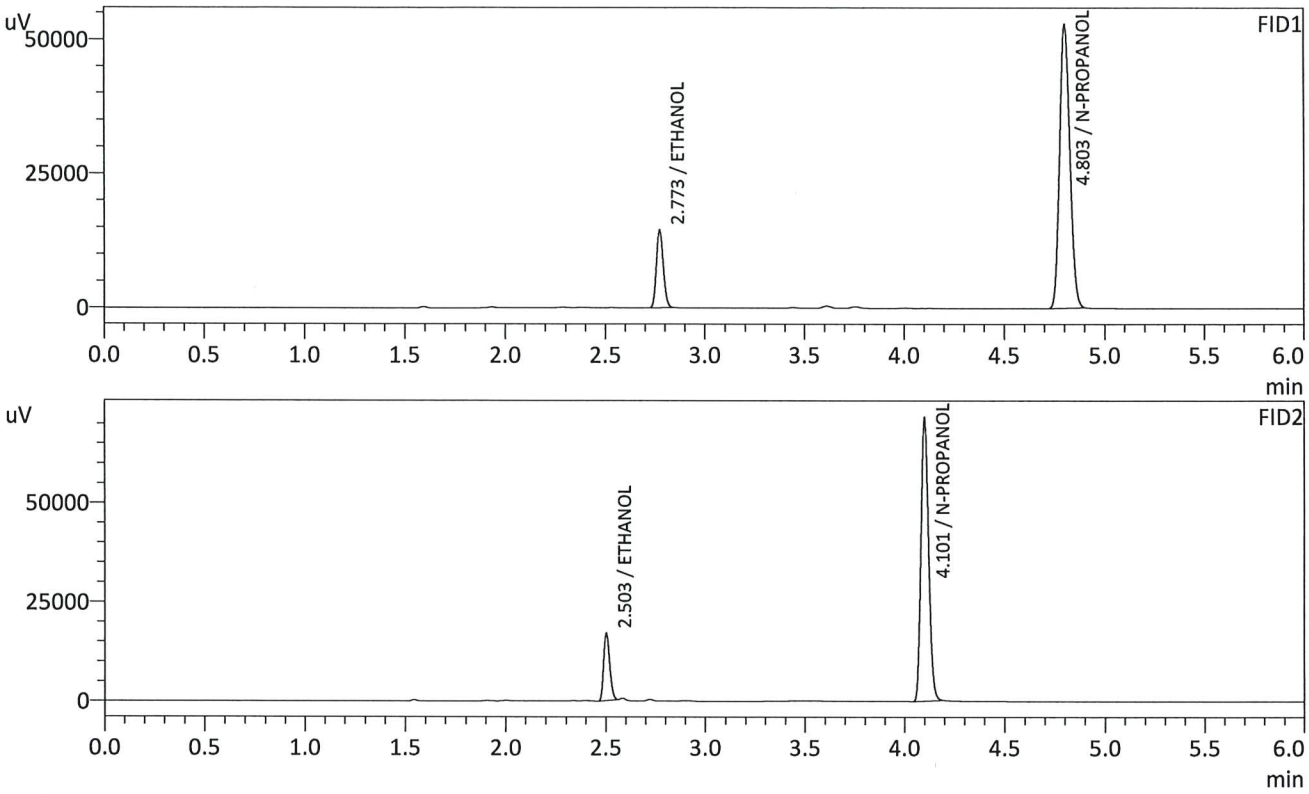
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.088	0.083	0.093	0.005

Reported Results
0.088

Calibration and control data are stored centrally.

RC

Sample Name : QC1-2
Vial # : 51
Data Filename : QC1-2_5302024_051.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 11:04:00 PM
Date Processed : 5/30/2024 11:10:02 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

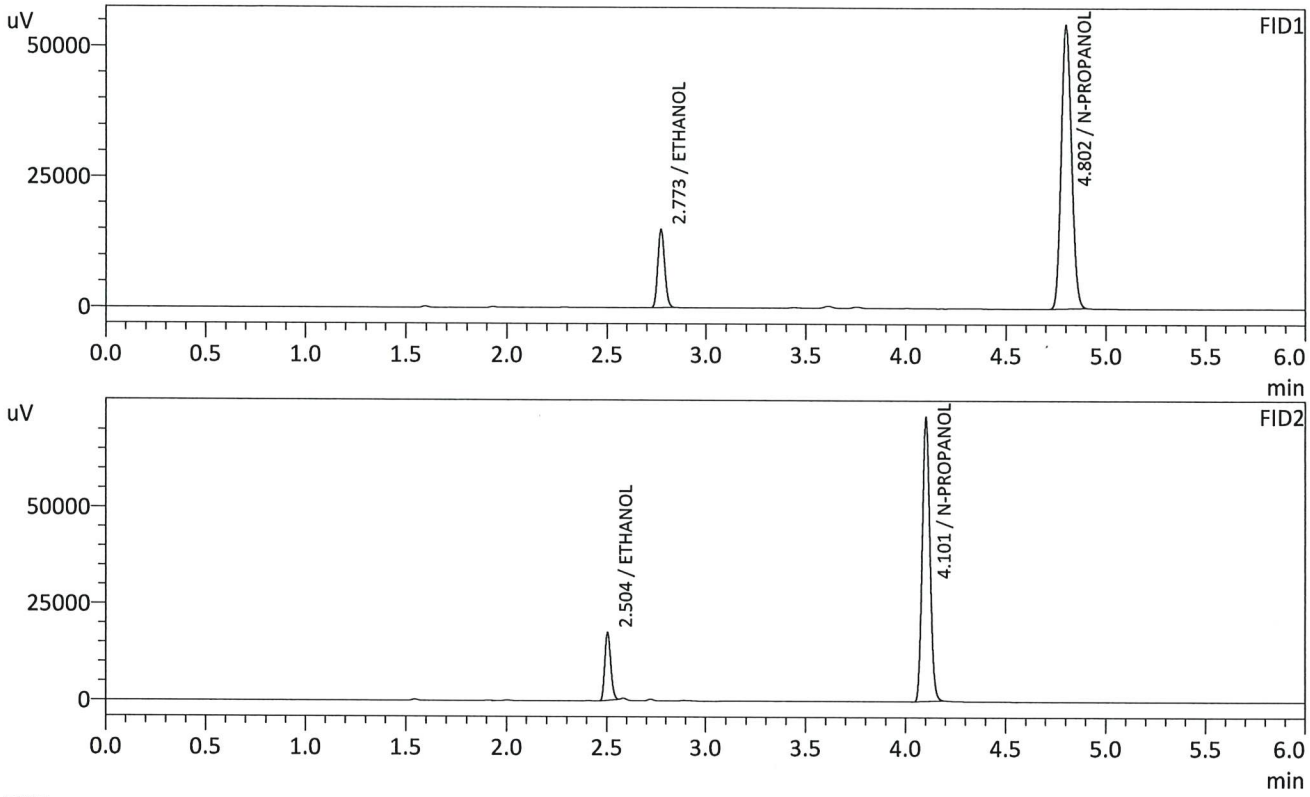
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0881	g/100cc	35099	14383
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187436	52652
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0874	g/100cc	34830	16898
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191599	71247
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
Vial # : 52
Data Filename : QC1-2-B_5302024_052.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 11:13:45 PM
Date Processed : 5/30/2024 11:19:48 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

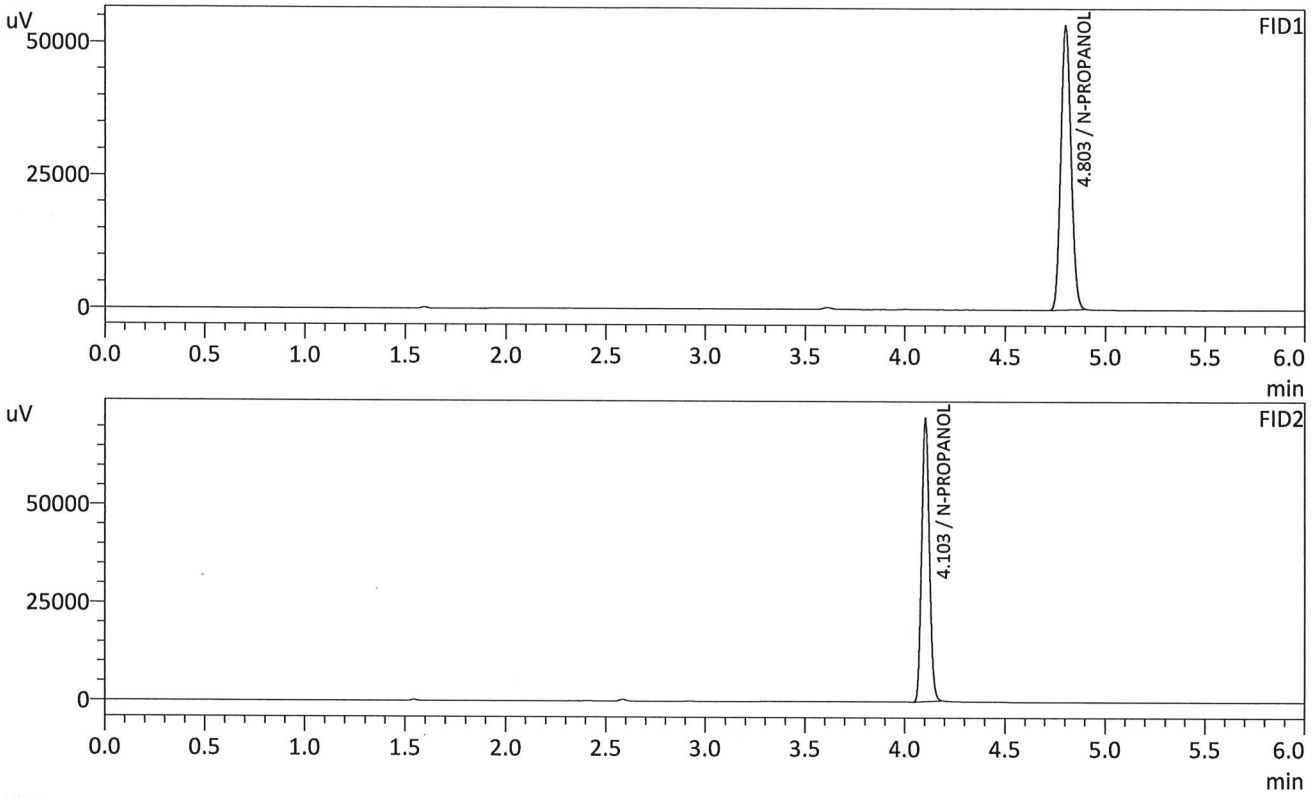
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0890	g/100cc	36296	14871
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191844	54074
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0881	g/100cc	35988	17480
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196158	73159
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
Vial # : 53
Data Filename : INT STD BLK 3_5302024_053.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 11:23:15 PM
Date Processed : 5/30/2024 11:29:16 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

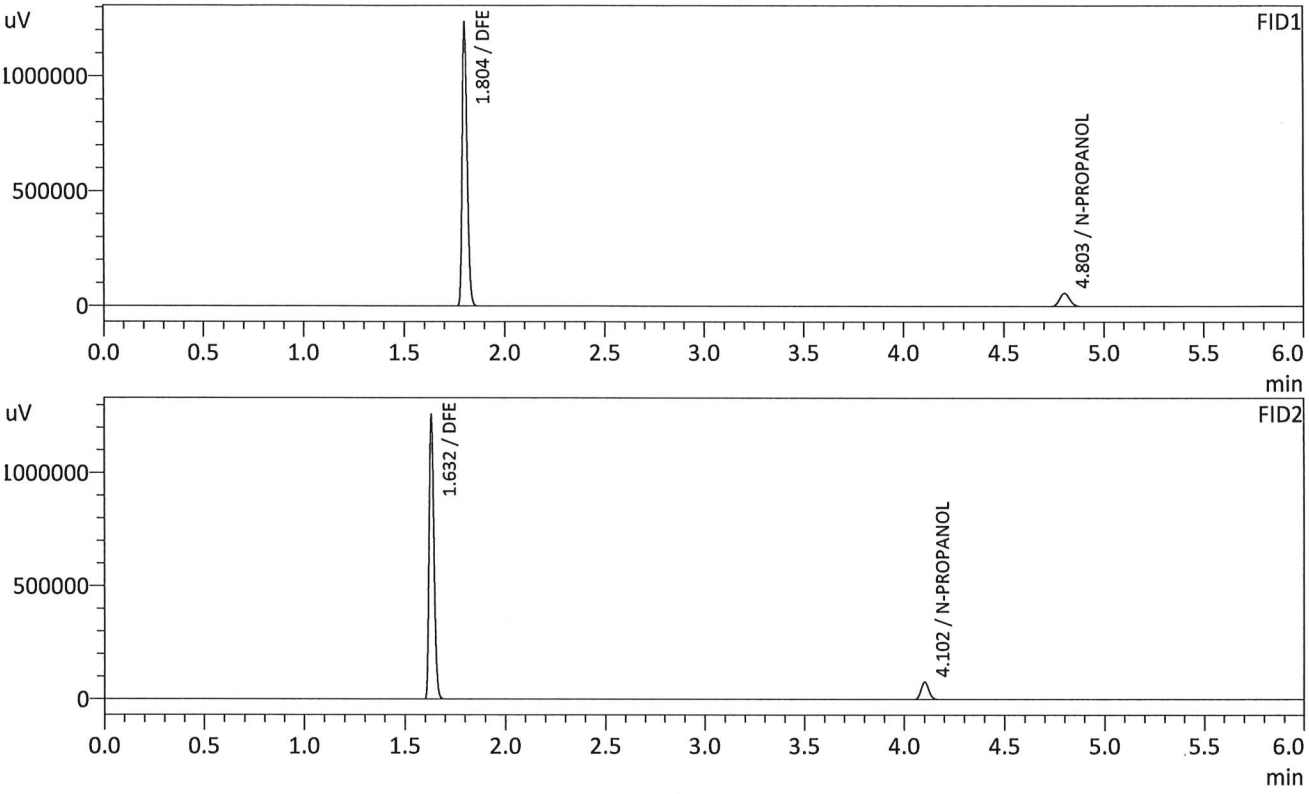
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189142	53415
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	193397	72085
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : DFE STD
Vial # : 54
Data Filename : DFE STD_5302024_054.gcd
Method Filename : ALCOHOL_053024_RC.gcm
Batch Filename : BATCH_053024_RC.gcb
Date Acquired : 5/30/2024 11:32:33 PM
Date Processed : 5/30/2024 11:38:35 PM
Instrument : GC SN- C12255850662 / HS SN- C12595700014



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	201429	56956
DFE	0.0000	g/100cc	2082647	1229318
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	205650	76597
DFE	0.0000	g/100cc	2119029	1249190
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_053024_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_053024_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_053024_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_053024_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_053024_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_053024_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_053024_RC.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL_053024_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_053024_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_053024_RC.gcm		0
13	P2024-1171-3	0:Unknown	ALCOHOL_053024_RC.gcm		0
14	P2024-1171-3-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
15	P2024-1522-2	0:Unknown	ALCOHOL_053024_RC.gcm		0
16	P2024-1522-2-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
17	P2024-1602-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
18	P2024-1602-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
19	P2024-1475-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
20	P2024-1475-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
21	P2024-1476-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
22	P2024-1476-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
23	P2024-1477-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
24	P2024-1477-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
25	P2024-1487-2	0:Unknown	ALCOHOL_053024_RC.gcm		0
26	P2024-1487-2-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
27	P2024-1493-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
28	P2024-1493-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
29	P2024-1503-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
30	P2024-1503-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
33	P2024-1516-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
34	P2024-1516-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
35	P2024-1517-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
36	P2024-1517-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
37	P2024-1518-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
38	P2024-1518-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
39	P2024-1519-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
40	P2024-1519-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
41	P2024-1520-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
42	P2024-1520-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
43	P2024-1521-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
44	P2024-1521-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
45	P2024-1526-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
46	P2024-1526-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
47	P2024-1528-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
48	P2024-1528-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
49	P2024-1553-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
50	P2024-1553-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
51	QC1-2	0:Unknown	ALCOHOL_053024_RC.gcm		0
52	QC1-2-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
53	INT STD BLK 3	0:Unknown	ALCOHOL_053024_RC.gcm		0
54	DFE STD	0:Unknown	ALCOHOL_053024_RC.gcm		0

RC