

==== Shimadzu LabSolutions Analysis Report =====

Sample Name	: HD_GL_111024_CP_10		
Sample ID	:		
Data Filename	: HD_GL_111024_CP_10.lcd		
Method Filename	: SFB_B_ST1_0.8 mL_45 min_Start.lcm		
Batch Filename	: 20241014_DN_HD_N_800_111024.lcb		
Vial #	: 1-11	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 10/13/2024 12:09:12 AM	Acquired by	: System Administrator
Date Processed	: 10/14/2024 2:58:36 PM	Processed by	: System Administrator

<Method>

<<Header>>

Generated	: 4/24/2024 3:47:23 PM
GeneratedBy	: System Administrator
Modified	: 10/13/2024 3:52:17 PM
ModifiedBy	: System Administrator

<<System Controller>>

Model	: SCL-40
Event1	: Off
Event2	: Off
Sample Load Timing	: Off

<<Data Acquisition>>

LC Stop Time	: 45.00 min
Detector A Name	: Detector A
Detector A Sampling Frequency	: 2 Hz
Detector A Start Time	: 0.00 min
Detector A End Time	: 45.00 min

<<Pump>>

Mode	: Isocratic flow
Pump A	: LC-40D
Pump A Flow/Pressure	: Flow
Pump System A Flow	: 0.8000 mL/min
Pump System A Flow Slope	: 20.00 min
Pump A PressMax	: 90 bar
Pump A PressMin	: 0 bar
Pump A Valve Model	: Switching Valve
Pump A Valve	: B
Pump A Compressibility Setting	: On
Pump A Mobile Phase Settings	: 0.45 /GPa

<<Autosampler>>

Autosampler Model	: SIL-40
Enable Autosampler	: Use
Rinse Type	: External only
Specify Plate	: Off
Rinsing Volume	: 500 uL
Cut Off Loop	: Off
Specify Needle Stroke	: Off
Rinsing Speed	: 35 uL/sec
Sampling Speed	: 5.0 uL/sec
Rinse Port R0 Purge Time	: 2.0 min
Measuring Line Purge Time	: 5.0 min
Rinse Mode	: Before and after aspiration
Rinse Dip Time	: 0 sec
Measuring Line Purge Volume	: 100 uL
Air Gap Volume	: Off
Rinse Port Liquid	: R0

<<Sample Pretreatment>>

Mode	: Standard
------	------------

<<Oven>>

Oven Model	: CTO-40C
Enable Oven	: Use
Oven Temperature	: 25 C
Maximum Temperature	: 105 C

Model	: RID-20A
Mode	: Analytical
Polarity	: +
Use Cell Temp.	: Use
Cell Temp.	: 40.0 C
Response	: 1.5 sec
Intensity Unit	: Volt
Auxiliary Range	: 1.0E-3 RIU/V
Recorder Range	: 100.00 uRIU/FS
Synchronize with Auxiliary	: Off
Purge Time	: 20 min

Time	Module	Command	Value	Comment
0.01	RID-20A(DET.A)	Zero		
45.00	Controller	Stop		

Channel	: Ch1	
Width	: 5 sec	
Slope	: 2000 uV/min	
Drift	: 0 uV/min	
T.DBL	: 1000 min	
Max Slices	: 0	
Peak Top Detection	: Normal	
RT Compensation Mode	: Fine	
Min.Area/Height is made effective in Manual Integration		: Off
Min.Area/Height	: 1000 counts	
Calculated by	: Area	
Noise Calculation Settings	: Noise Data	: Current Data
	Calculation Method	: ASTM
	Range	: Whole Range
	Interval	: 0.5 min
	Include the Peak Detected Range	: Off
	Detection Limit Coefficient	: 3.3
	Quantitative Limit Coefficient	: 10.0
Drift Calculation Settings	: 0.000 - 15.000 min	

Channel : Ch1
Time Program : None

Channel	: Ch1			
Time Program	: No. Enable	Time(min)	Command	Value
	1 [Yes]	9.938	Move BL	10.282
	2 [Yes]	10.279	Move BL	10.323
	3 [Yes]	10.323	Move BL	10.363

Window/Band	: Window
Window	: 5.00 %
Identification Method	: Absolute
Peak Selection	: Closest Peak
Display not identified peaks	: Not display

Quantitative Method	: External Standard
Calculated by	: Area
# of Calibration Levels	: 14
Curve Fit Type	: Linear
Zero	: Not Forced
Weighting Method	: None
X Axis of Calib. Curve	: Conc.
Units	: mol/L

Format of Conc.	: Decimals
Format of Conc. Figure	: 5
Group Type	: Not Used
Check %Dev(Standard)	: No
Check Accuracy[%](Standard)	: No
Check %Dev(Control)	: No
Check Accuracy[%](Control)	: No
Check %Dev(Additive)	: No
Check Accuracy[%](Additive)	: No
Check %Dev(Unknown)	: No
Check Accuracy[%](Unknown)	: No
Check Quantitation Limit	: No
Check Detect Limit	: No

<<Compound Table>>

<Detector A>

```

ID# : 1
Name : Methanol
Type : Target
Channel : Ch1
Retention Time : 14.400 min
Retention Index : 0
Concentration : [1]=3.016738 [2]=1.049395 [3]=0.4943277
               [4]=0.2893701 [5]=0.1127578 [6]=0.06136267
               [7]=0.01619725 [8]=3.016738 [9]=1.049395
               [10]=0.4943277 [11]=0.2893701 [12]=0.1127578
               [13]=0.06136267 [14]=0.01619725
Peak Selection : Default(Closest Peak)
Calculated by : Default(Area)
Curve Fit Type : Default(Linear)
Zero : Default(Not Forced)
Weight : Default(None)
Window/Band : Default(Window)
Spiked : 0.000
1st Coefficient : 4.720087e+005
Intersection : 1.693726e+003
Correction Factor : 1.000000
Standard concentration factor : 1.000000

```

```

ID#                : 2
Name               : Glycerin
Type              : Target
Channel           : Ch1
Retention Time     : 10.000 min
Retention Index    : 0
Concentration      : [1]=2.958375          [2]=1.078646          [3]=0.5353454
                  : [4]=0.3066948          [5]=0.114594          [6]=0.05901699
                  : [7]=0.0117174          [8]=2.958375          [9]=1.078646
                  : [10]=0.5353454          [11]=0.3066948        [12]=0.114594
                  : [13]=0.05901699         [14]=0.0117174
Peak Selection     : Default(Closest Peak)
Calculated by      : Default(Area)
Curve Fit Type     : Default(Linear)
Zero               : Default(Not Forced)
Weight             : Default(None)
Window/Band        : Default(Window)
Spiked             : 0.000
1st Coefficient    : 7.326784e+006
Intersection       : 2.573900e+005
Correction Factor   : 1.000000
Standard concentration factor : 1.000000

```

```

ID#           : 3
Name          : n-Propanol
Type         : Target
Channel      : Ch1
Retention Time : 20.000 min
Retention Index : 0
Concentration : [1]=3.02526           [2]=1.092217           [3]=0.5139845
               [4]=0.3105323         [5]=0.09785473        [6]=0.04497364
               [7]=0.01087275        [8]=3.02526           [9]=1.092217
               [10]=0.5139845         [11]=0.3105323        [12]=0.09785473
               [13]=0.04497364        [14]=0.01087275
Peak Selection : Default(Closest Peak)
Calculated by : Default(Area)
Curve Fit Type : Default(Linear)
Zero          : Default(Not Forced)
Weight        : Default(None)
Window/Band   : Default(Window)

```

Spiked : 0.000
 1st Coefficient : 3.955755e+006
 Intersection : -2.585461e+004
 Correction Factor : 1.000000
 Standard concentration factor : 1.000000

ID# : 4
 Name : 1,2 Propandiol
 Type : Target
 Channel : Ch1
 Retention Time : 12.400 min
 Retention Index : 0
 Concentration : [1]=2.977546 [2]=1.016412 [3]=0.5030017
 [4]=0.3027638 [5]=0.1023958 [6]=0.04970167
 [7]=0.01157971 [8]=2.977546 [9]=1.016412
 [10]=0.5030017 [11]=0.3027638 [12]=0.1023958
 [13]=0.04970167 [14]=0.01157971

Peak Selection : Default(Closest Peak)
 Calculated by : Default(Area)
 Curve Fit Type : Default(Linear)
 Zero : Default(Not Forced)
 Weight : Default(None)
 Window/Band : Default(Window)
 Spiked : 0.000
 1st Coefficient : 5.771075e+006
 Intersection : 6.007717e+004
 Correction Factor : 1.000000
 Standard concentration factor : 1.000000

ID# : 5
 Name : 1,3 Propandiol
 Type : Target
 Channel : Ch1
 Retention Time : 13.000 min
 Retention Index : 0
 Concentration : [1]=2.976375 [2]=0.9968958 [3]=0.4990984
 [4]=0.2900131 [5]=0.10734 [6]=0.04944145
 [7]=0.0100184 [8]=2.976375 [9]=0.9968958
 [10]=0.4990984 [11]=0.2900131 [12]=0.10734
 [13]=0.04944145 [14]=0.0100184

Peak Selection : Default(Closest Peak)
 Calculated by : Default(Area)
 Curve Fit Type : Default(Linear)
 Zero : Default(Not Forced)
 Weight : Default(None)
 Window/Band : Default(Window)
 Spiked : 0.000
 1st Coefficient : 5.532080e+006
 Intersection : 6.014722e+004
 Correction Factor : 1.000000
 Standard concentration factor : 1.000000

ID# : 6
 Name : iso-Propanol
 Type : Target
 Channel : Ch1
 Retention Time : 16.825 min
 Retention Index : 0
 Concentration : [1]=3.03666 [2]=1.003405 [3]=0.5418687
 [4]=0.3101858 [5]=0.1067771 [6]=0.04972951
 [7]=0.01397083 [8]=3.03666 [9]=1.003405
 [10]=0.5418687 [11]=0.3101858 [12]=0.1067771
 [13]=0.04972951 [14]=0.01397083

Peak Selection : Default(Closest Peak)
 Calculated by : Default(Area)
 Curve Fit Type : Default(Linear)
 Zero : Default(Not Forced)
 Weight : Default(None)
 Window/Band : Default(Window)
 Spiked : 0.000
 1st Coefficient : 3.797216e+006
 Intersection : -2.284739e+004
 Correction Factor : 1.000000
 Standard concentration factor : 1.000000

ID# : 7
 Name : Hydroxyacetone
 Type : Target
 Channel : Ch1

Zero : Default(Not Forced)
 Weight : Default(None)
 Window/Band : Default(Window)
 Spiked : 0.000
 1st Coefficient : 4.601450e+006
 Intersection : -1.609005e+003
 Correction Factor : 1.000000
 Standard concentration factor : 1.000000

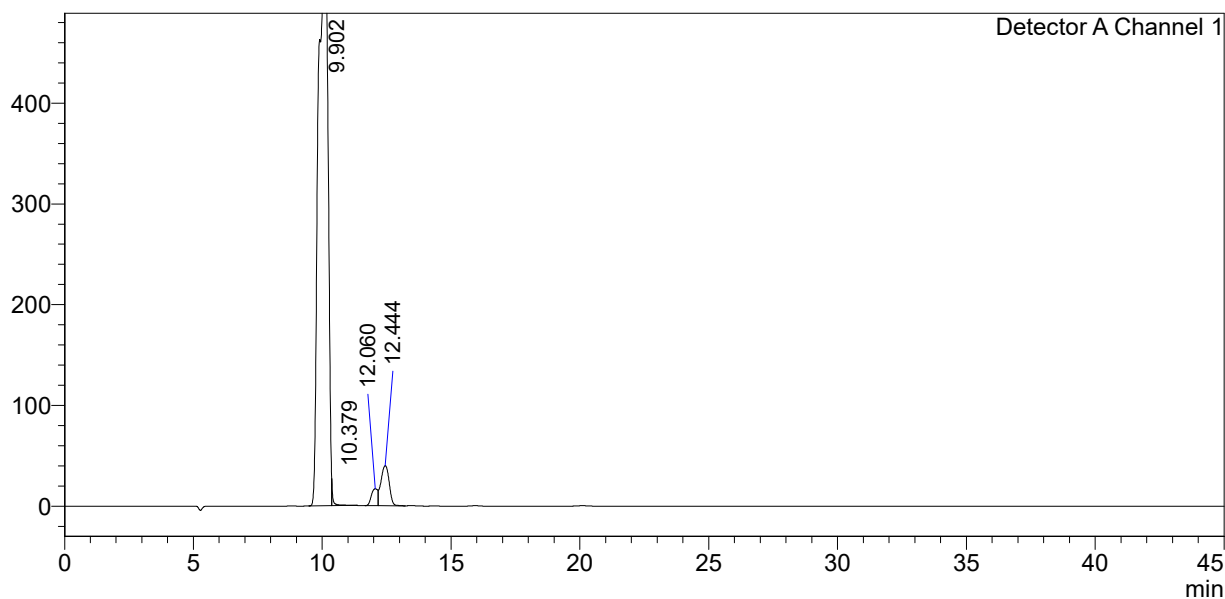
<<Column Performance>>

<Detector A>

Calculation Method : USP
 Unretained Peak Time : Time at 1st Peak
 Column Length : 150 mm
 Calculate Identified Peaks Only : Off
 Calculation of Relative Retention Time : Off

<Chromatogram>

mV



<Peak Table>

Detector A Channel 1

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	9.902	14956134	462686	2.006	mol/L	M	Glycerin
2	10.379	77852	21038	0.000		V M	
3	12.060	281236	16765	0.065	mol/L		Ethylenglykol
4	12.444	888910	39719	0.144	mol/L	V	1,2 Propandiol
Total		16204131	540208				