

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

Sample Name	: DL V33 R4		
Sample ID	:		
Data Filename	: DL V33 R4_20250306_DL V33_SFB_B_ST1_0.8 mL_45 min_Start_003.lcd		
Method Filename	: SFB_B_ST1_0.8 mL_45 min_Start.lcm		
Batch Filename	: 20250324_DL V33-35_Postrun.lcb		
Vial #	: 3-10	Sample Type	: Unknown
Injection Volume	: 10 uL		
Date Acquired	: 3/6/2025 2:18:46 PM	Acquired by	: System Administrator
Date Processed	: 3/24/2025 12:32:56 PM	Processed by	: System Administrator

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## <Method>

### <<Header>>

Generated	: 4/24/2024 3:47:23 PM
GeneratedBy	: System Administrator
Modified	: 3/21/2025 8:13:02 AM
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
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### <<Oven>>

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

Ready Check : On  
 Wait Time : 5 min  
 Ready Range : 1.0 C  
 Fan Speed : Auto  
 Cooler Mode : Auto  
 Valve 1/L : FCV-0206  
 Valve 1/L Position : 1

## &lt;&lt;Detector A&gt;&gt;

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

## &lt;&lt;LC Time Program&gt;&gt;

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

## &lt;&lt;Peak Integration&gt;&gt;

## &lt;Detector A&gt;

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

## &lt;&lt;Integration Time Program(Method)&gt;&gt;

## &lt;Detector A&gt;

Channel : Ch1  
 Time Program : None

## &lt;&lt;Integration Time Program(Data)&gt;&gt;

## &lt;Detector A&gt;

Channel	Time Program	Time(min)	Command	Value
Ch1	No. Enable 1 [Yes]	12.141	Split Peak	

## &lt;&lt;Identification&gt;&gt;

## &lt;Detector A&gt;

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

## &lt;&lt;Quantitative&gt;&gt;

## &lt;Detector A&gt;

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

## &lt;&lt;Compound Table&gt;&gt;

<Detector A>

```

Detector 1A
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  
 Retention Time : 13.300 min  
 Retention Index : 0

Concentration : [1]=2.855514 [2]=0.9609004 [3]=0.4875675  
 [4]=0.3072624 [5]=0.1038742 [6]=0.04860286  
 [7]=0.009361501 [8]=2.855514 [9]=0.9609004  
 [10]=0.4875675 [11]=0.3072624 [12]=0.1038742  
 [13]=0.04860286 [14]=0.009361501

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 : 4.865699e+006

Intersection : 5.855022e+004

Correction Factor : 1.000000

Standard concentration factor : 1.000000

ID# : 8

Name : Ethylenglykol

Type : Target

Channel : Ch1

Retention Time : 12.200 min

Retention Index : 0

Concentration : [1]=2.933794 [2]=1.030353 [3]=0.4898163  
 [4]=0.3033639 [5]=0.09840986 [6]=0.059971  
 [7]=0.01068632 [8]=2.933794 [9]=1.030353  
 [10]=0.4898163 [11]=0.3033639 [12]=0.09840986  
 [13]=0.059971 [14]=0.01068632

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 : 4.284813e+006

Intersection : 4.449721e+003

Correction Factor : 1.000000

Standard concentration factor : 1.000000

ID# : 9

Name : Ethanol

Type : Target

Channel : Ch1

Retention Time : 16.000 min

Retention Index : 0

Concentration : [1]=3.010594 [2]=1.02339 [3]=0.5257763  
 [4]=0.2939754 [5]=0.0961865 [6]=0.04960971  
 [7]=0.01299818 [8]=3.010594 [9]=1.02339  
 [10]=0.5257763 [11]=0.2939754 [12]=0.0961865  
 [13]=0.04960971 [14]=0.01299818

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 : 2.109543e+006

Intersection : -9.590194e+003

Correction Factor : 1.000000

Standard concentration factor : 1.000000

ID# : 10

Name : Propionsäure

Type : Target

Channel : Ch1

Retention Time : 13.600 min

Retention Index : 0

Concentration : [1]=2.962704 [2]=0.9915078 [3]=0.5019324  
 [4]=0.3085198 [5]=0.1036906 [6]=0.04835313  
 [7]=0.01168534 [8]=2.962704 [9]=0.9915078  
 [10]=0.5019324 [11]=0.3085198 [12]=0.1036906  
 [13]=0.04835313 [14]=0.01168534

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 : 4.601450e+006  
 Intersection : -1.609005e+003  
 Correction Factor : 1.000000  
 Standard concentration factor : 1.000000

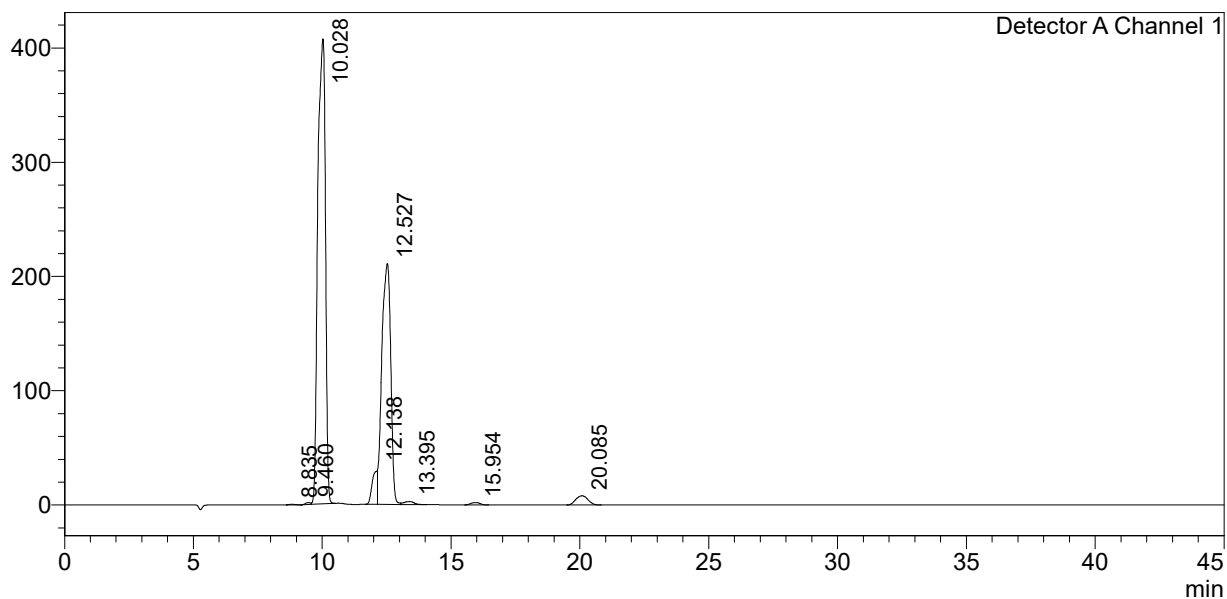
## &lt;&lt;Column Performance&gt;&gt;

## &lt;Detector A&gt;

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

## &lt;Chromatogram&gt;

mV



## &lt;Peak Table&gt;

Detector A Channel 1

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	8.835	7941	472	0.000			
2	9.460	23151	1731	0.000			
3	10.028	8353046	406874	1.105	mol/L	V	Glycerin
4	12.138	410019	29482	0.095	mol/L	M	Ethylenglykol
5	12.527	5087681	210912	0.871	mol/L	V M	1,2 Propandiol
6	13.395	75476	2665	0.003	mol/L	V	Hydroxyacetone
7	15.954	52057	2070	0.029	mol/L		Ethanol
8	20.085	265063	8065	0.074	mol/L		n-Propanol
Total		14274436	662272				