

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

Sample Name : DL V7 R2
 Sample ID :
 Data Filename : DL V7 R2_20240708_DL V6+V7_SFB_B_ST1_0.8 mL_45 min_Start_006.lcd
 Method Filename : SFB_B_ST1_0.8 mL_45 min_Start.lcm
 Batch Filename : 20240708_DL V6+V7.lcb
 Vial # : 3-15
 Injection Volume : 10 uL
 Date Acquired : 7/9/2024 4:08:07 AM
 Date Processed : 7/9/2024 4:53:07 AM

Sample Type : Unknown
 Acquired by : System Administrator
 Processed by : System Administrator

<Method>

<<Header>>

Generated : 4/24/2024 3:47:23 PM
 GeneratedBy : System Administrator
 Modified : 7/8/2024 4:44:25 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 : 30.00 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

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: Column1

<<Detector A>>

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

<<LC Time Program>>

Time	Module Controller	Command	Value	Comment
45.00		Stop		

<<Peak Integration>>

<Detector A>

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

<<Integration Time Program(Method)>>

<Detector A>

Channel : Ch1
 Time Program : None

<<Integration Time Program(Data)>>

<Detector A>

Channel : Ch1
 Time Program : None

<<Identification>>

<Detector A>

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

<<Quantitative>>

<Detector A>

Quantitative Method : External Standard
 Calculated by : Area
 # of Calibration Levels : 8
 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]=100
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: 4.702049e+005
Intersection   : 1.772865e+003
Correction Factor: 1.000000
Standard concentration factor : 1.000000

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```

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]=100
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   : 7.360191e+006
Intersection      : 2.507994e+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]=100
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    : 3.949319e+006
Intersection       : -2.639262e+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]=100
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 : 5.784693e+006
Intersection : 5.684456e+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]=100
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 : 5.556690e+006
Intersection : 5.334069e+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]=100
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 : 3.789100e+006
Intersection : -2.417100e+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]=100
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 : 4.945860e+006
Intersection : 3.652353e+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]=100
 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 : 4.294319e+006
 Intersection : -2.114259e+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]=100
 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 : 2.104384e+006
 Intersection : -1.035945e+004
 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]=100
 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 : 4.588686e+006
 Intersection : -2.000950e+003
 Correction Factor : 1.000000
 Standard concentration factor : 1.000000

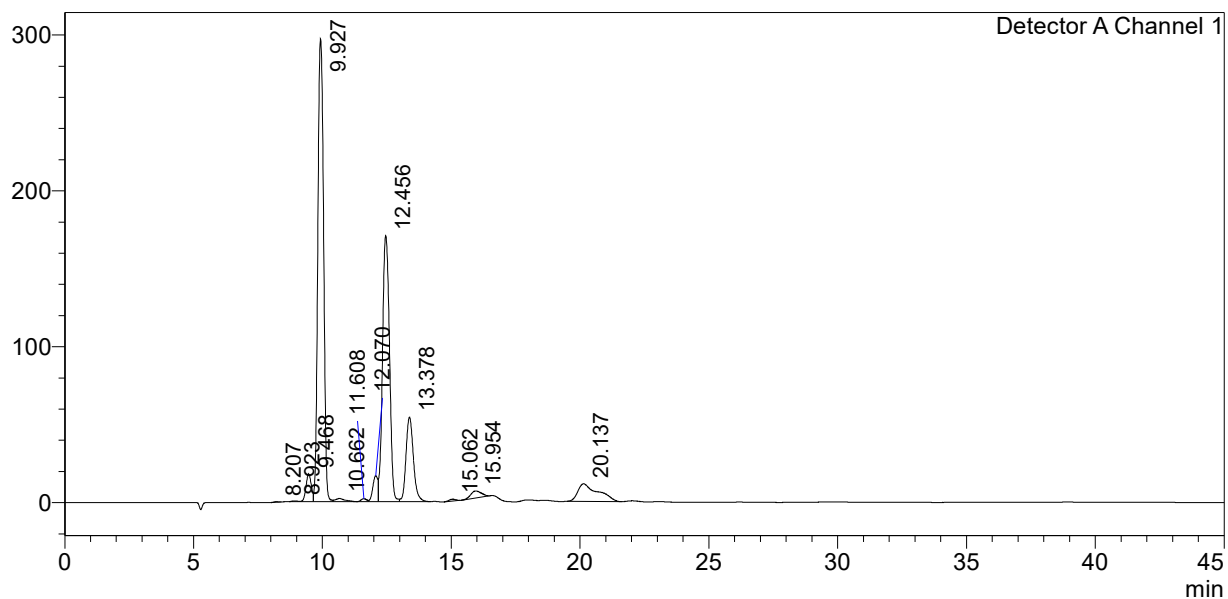
<<Column Performance>>

<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	8.207	4163	395	0.000			
2	8.923	6710	462	0.000			
3	9.468	250164	17770	0.000		V	
4	9.927	4629130	296885	0.595	mol/L	V	Glycerin
5	10.662	54296	2009	0.000		V	
6	11.608	28416	1875	0.000			
7	12.070	223522	16646	0.053	mol/L	V	Ethylenglykol
8	12.456	3230779	170757	0.549	mol/L	V	1,2 Propandiol
9	13.378	1086418	54233	0.212	mol/L	V	Hydroxyacetone
10	15.062	20963	1181	0.041	mol/L		Methanol
11	15.954	128354	4476	0.066	mol/L		Ethanol
12	20.137	617922	11304	0.163	mol/L		n-Propanol
Total		10280838	577994				