Quantachrome® ASiQwin™- Automated Gas Sorption Data
Acquisition and Reduction
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version 5.21

Quantachrome
INSTRUMENTS

Analysis			**Report**		
Operator:	Anton Paar	**Date:** 2022/01/07	**Operator:**	Chris	**Date:** 2022/01/24
Sample ID:	A	**Filename:**	CSH_GP01A_3_st1_2022_01_07.qps		
Sample Desc:		**Comment:**			
Sample Weight:	0.0337 g	**Instrument:**	Autosorb iQ Station 1		
Outgas Time:	0.0 hrs	**Outgas Temp.:**	0 °C		
Analysis gas:	Nitrogen	**Non-ideality:**	6.58e-05 1/Torr	**CellType:**	9mm
Analysis Time:	14:24 hr:min	**Bath temp.:**	77.35 K		
Analysis Mode:	Standard			**VoidVol Remeasure:** off	
VoidVol. Mode:	He Measure	**Cold Zone V:**	5.20518 cc	**Warm Zone V:**	7.69438 cc

DFT :   dV(d)

Data Reduction Parameters

|			
DFT method	**Thermal Transpiration:** on	**Eff. mol. diameter (D):** 3.54 Å	**Eff. cell stem diam. (d):** 4.0000 mm
	Calc. Model: N2 at 77 K on carbon (cylindr./sphere pores, QSDFT adsorption branch)		
	Rel. press. range: 0.0000 - 1.0000		**Moving pt. avg:** off
Adsorbate model	**Nitrogen**	**Temperature** 77.350K	
	Molec. Wt.: 28.013	**Cross Section:** 16.200 Å²	**Liquid Density:** 0.806 g/cc
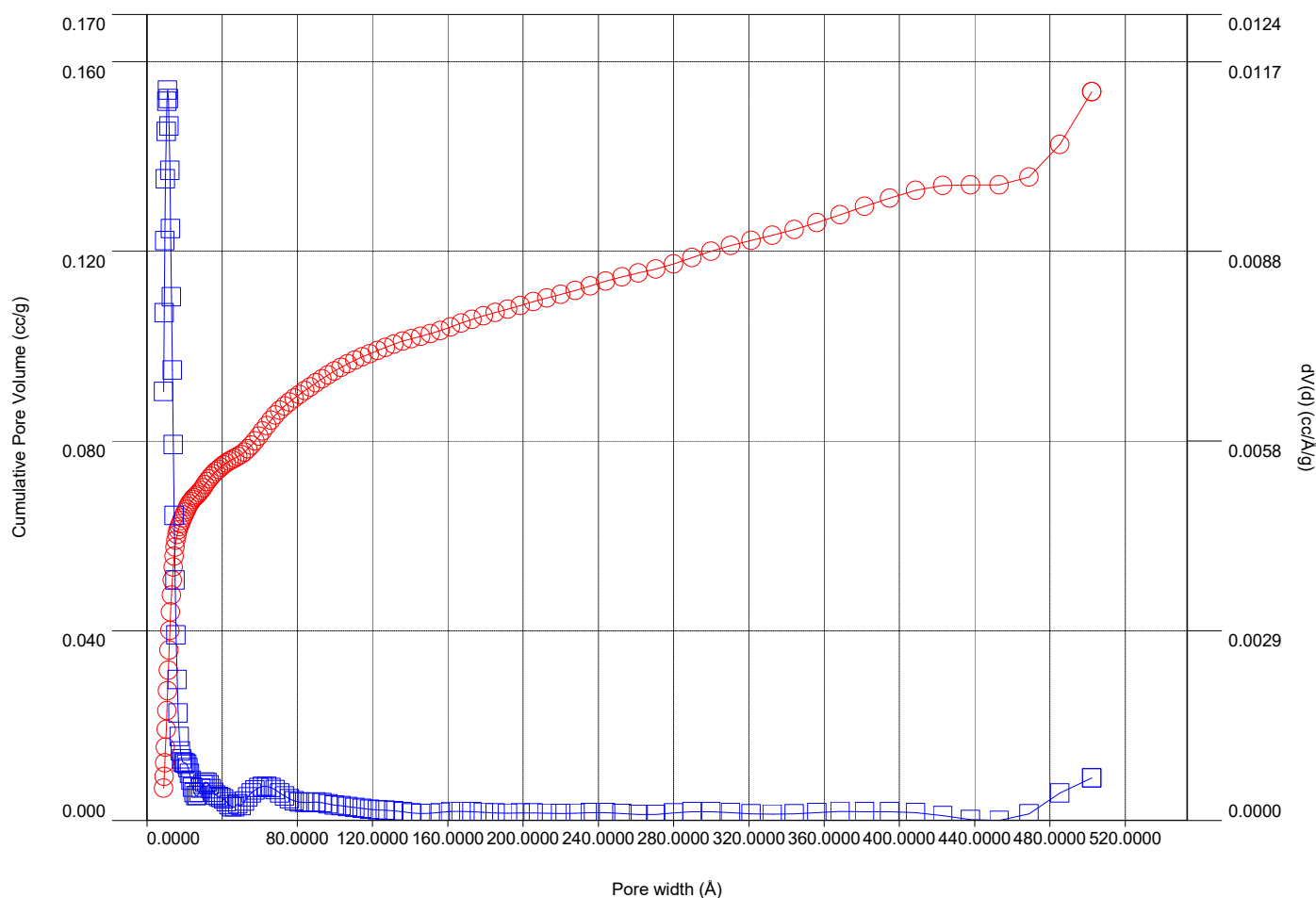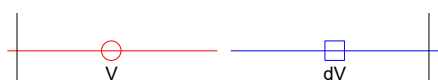
DFT method summary

Pore volume =	0.154 cc/g
Surface area =	268.818 m²/g
Lower confidence limit =	8.973 Å
Fitting error =	0.969 %
Pore width (Mode) =	11.031 Å
Moving point average :	off