



Analysis			Report		
Operator:	quantachrome	Date: 2020/07/30	Operator:	quantachrome	Date: 2020/08/03
Sample ID:	EK-BET-5138	Filename:	sttn_A_29072020_6442-BET_EK_5138.qps		
Sample Desc:	Styrofoam	Comment:		Sample Density:	3.41 g/cc
Sample weight:	0.0663 g	Sample Volume:	0.01944 cc		
Outgas Time:	3.0 hrs	OutgasTemp:	60.0 C		
Analysis gas:	Nitrogen	Bath Temp:	273.0 K	Equil timeout:	240/240 sec (ads/des)
Press. Tolerance:	0.100/0.100 (ads/des)	Equil time:	60/60 sec (ads/des)	Instrument:	Nova Station A
Analysis Time:	418.9 min	End of run:	2020/07/30 21:59:53		
Cell ID:	21				

BJH Pore Size Distribution Adsorption

Data Reduction Parameters Data

t-Method	Calc. method: de Boer			
BJH/DH method	Moving pt. avg.: off		Ignoring P-tags below 0.35 P/Po	
Adsorbate	Nitrogen		Temperature 77.350K	
	Molec. Wt.: 28.013		Cross Section: 16.200 Å²	Liquid Density: 0.808 g/cc

BJH Pore Size Distribution Adsorption Data

Radius	Pore Volume	Pore Surf Area	dV(r)	dS(r)	dV(logr)	dS(logr)
[Å]	[cc/g]	[m²/g]	[cc/Å/g]	[m²/Å/g]	[cc/g]	[cc/g]
17.0037	1.3800e-02	1.6232e+01	7.2228e-03	8.4955e+00	2.8249e-01	3.3227e+02
19.0541	2.6569e-02	2.9635e+01	5.8303e-03	6.1198e+00	2.5552e-01	2.6820e+02
21.5100	4.0870e-02	4.2932e+01	5.2544e-03	4.8855e+00	2.5989e-01	2.4165e+02
24.3244	5.6662e-02	5.5916e+01	5.4323e-03	4.4665e+00	3.0389e-01	2.4987e+02
27.9047	7.3238e-02	6.7797e+01	3.8970e-03	2.7931e+00	2.4991e-01	1.7912e+02
32.5124	8.6987e-02	7.6254e+01	2.7709e-03	1.7045e+00	2.0703e-01	1.2736e+02
38.6529	1.0318e-01	8.4635e+01	2.2130e-03	1.1451e+00	1.9637e-01	1.0161e+02
47.2115	1.1960e-01	9.1590e+01	1.6756e-03	7.0984e-01	1.8150e-01	7.6888e+01
60.4390	1.3562e-01	9.6892e+01	9.6185e-04	3.1829e-01	1.3301e-01	4.4013e+01
85.7875	1.5303e-01	1.0095e+02	5.1125e-04	1.1919e-01	9.9649e-02	2.3231e+01
153.7621	1.6855e-01	1.0297e+02	1.5234e-04	1.9815e-02	5.1900e-02	6.7507e+00
282.3767	1.7676e-01	1.0355e+02	5.2844e-05	3.7428e-03	3.3475e-02	2.3709e+00
394.9728	1.8044e-01	1.0374e+02	5.2648e-05	2.6659e-03	4.7756e-02	2.4182e+00
491.1529	1.8425e-01	1.0389e+02	3.1093e-05	1.2661e-03	3.4981e-02	1.4244e+00
760.6922	1.8629e-01	1.0395e+02	4.9104e-06	1.2910e-04	8.3813e-03	2.2036e-01
1323.3627	1.8949e-01	1.0399e+02	4.5061e-06	6.8100e-05	1.3396e-02	2.0245e-01
2507.0637	1.9058e-01	1.0400e+02	6.6132e-07	5.2756e-06	3.6740e-03	2.9309e-02

BJH adsorption summary

Surface Area =	104.002 m²/g
Pore Volume =	0.191 cc/g
Pore Radius Dv(r) =	17.004 Å