

Analysis

Operator: Alex
Sample ID: Katya

Date: 6/28/2021

Filename:
Comment:

Report

Operator: operator
G:\QW2_210629_01.QPS

Date: 7/8/2021

Sample Desc: 1

Sample weight: 0.1650 g

Analysis Time: 916.8 min

Void Vol.: He Mode. Cell: 9mm no bulb

Outgas Time: 4.0 hrs

Analysis gas: Nitrogen

Press. Tolerance: 0.030/0.030 (ads/des)

End of run: 6/28/2021 23:22:14

Run mode: Standard

Outgas Temp: 100.0 C

Bath Temp: 77.3 K

Equil time: 600/600 sec (ads/des)

Instrument: QuadraSorb Station 2

Equil timeout: 900/900 sec (ads/des)

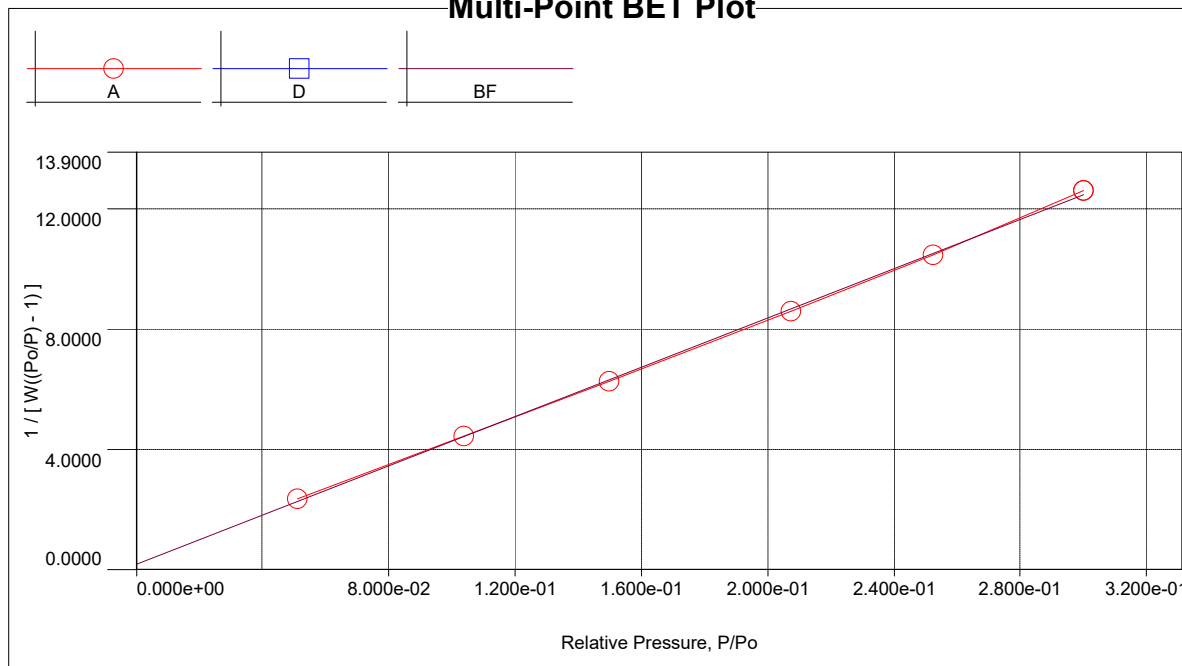
Data Reduction Parameters

Adsorbate	Nitrogen	Temperature	77.350K	Liquid Density:	0.806 g/cc
	Molec. Wt.: 28.013 g	Cross Section:	16.200 EI		

MBET summary

Slope = 40.974
Intercept = 1.863e-01
Correlation coefficient, r = 0.999731
C constant = 220.881
Surface Area = 84.609 ml/g

Multi-Point BET Plot



Multi-Point BET

Relative Pressure [P/Po]	Volume @ STP [cc/g]	$1 / [W((P_o/P) - 1)]$	Relative Pressure [P/Po]	Volume @ STP [cc/g]	$1 / [W((P_o/P) - 1)]$
5.10282e-02	18.2783	2.3538e+00	2.07482e-01	24.3833	8.5907e+00
1.03738e-01	20.8302	4.4459e+00	2.52411e-01	25.8019	1.0470e+01
1.49761e-01	22.5053	6.2622e+00	3.00085e-01	27.1990	1.2612e+01

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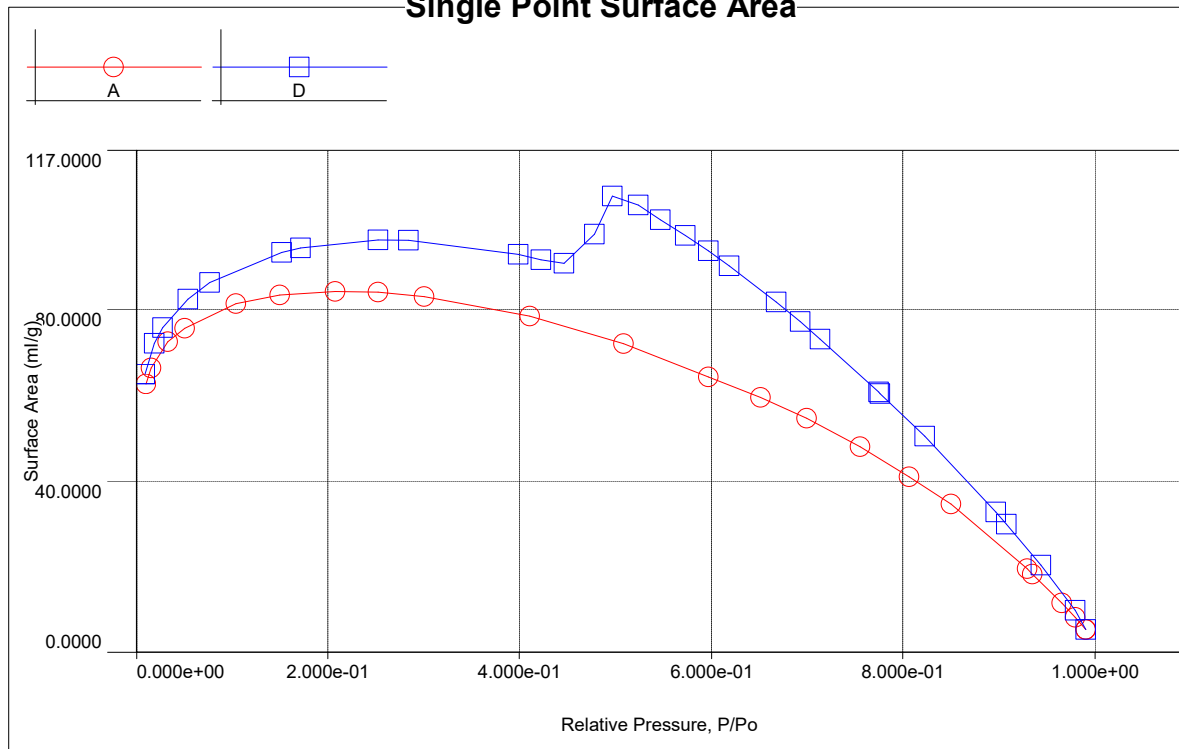
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Single Point Surface Area



Single Point Surface Area

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [W((P/Po) - 1)]	Slope	Surf. Area [ml/g]
1.06299e-02	14.5161	5.9221e-01	55.7112	62.5102
1.59887e-02	15.4836	8.3964e-01	52.5143	66.3156
3.30467e-02	17.1882	1.5909e+00	48.1408	72.3402
5.10282e-02	18.2783	2.3538e+00	46.1277	75.4972
1.03738e-01	20.8302	4.4459e+00	42.8571	81.2588
1.49761e-01	22.5053	6.2622e+00	41.8142	83.2854
2.07482e-01	24.3833	8.5907e+00	41.4046	84.1094
2.52411e-01	25.8019	1.0470e+01	41.4797	83.9572
3.00085e-01	27.1990	1.2612e+01	42.0292	82.8594
4.09959e-01	30.5170	1.8217e+01	44.4351	78.3731
5.07966e-01	33.5679	2.4607e+01	48.4430	71.8889
5.96356e-01	36.5145	3.2374e+01	54.2858	64.1515
6.50834e-01	39.0994	3.8143e+01	58.6069	59.4216
6.98766e-01	41.6041	4.4611e+01	63.8425	54.5485
7.54671e-01	44.8522	5.4875e+01	72.7139	47.8934
8.06304e-01	48.5390	6.8618e+01	85.1020	40.9217
8.49859e-01	52.8857	8.5637e+01	100.7656	34.5606
9.29634e-01	63.5784	1.6626e+02	178.8446	19.4723
9.34836e-01	64.1905	1.7882e+02	191.2804	18.2063
9.64654e-01	74.9966	2.9117e+02	301.8381	11.5377
9.79303e-01	90.2065	4.1968e+02	428.5498	8.1263
9.90568e-01	128.8286	6.5226e+02	658.4704	5.2888
9.79478e-01	109.3169	3.4933e+02	356.6489	9.7646
9.43025e-01	81.7007	1.6209e+02	171.8845	20.2608
9.06982e-01	73.7935	1.0572e+02	116.5645	29.8763
8.96571e-01	72.5512	9.5598e+01	106.6259	32.6611

Continued on next page

**Quantachrome QuadraWin - Data Acquisition and Reduction
for QuadraSorb SI**
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version 5.02



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Single Point Surface Area continued

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [W((P/Po) - 1)]	Slope	Surf. Area [ml/g]
8.21890e-01	64.9301	5.6863e+01	69.1858	50.3357
7.75298e-01	61.6792	4.4758e+01	57.7305	60.3237
7.74383e-01	61.7559	4.4469e+01	57.4248	60.6448
7.13646e-01	58.5638	3.4049e+01	47.7109	72.9921
6.92781e-01	57.6204	3.1313e+01	45.1988	77.0489
6.67816e-01	56.4735	2.8483e+01	42.6508	81.6518
6.18428e-01	54.1887	2.3931e+01	38.6959	89.9971
5.96476e-01	53.2747	2.2200e+01	37.2186	93.5692
5.72275e-01	52.2178	2.0501e+01	35.8234	97.2133
5.46446e-01	51.0630	1.8878e+01	34.5474	100.8040
5.23294e-01	50.2060	1.7494e+01	33.4306	104.1715
4.96958e-01	48.5555	1.6279e+01	32.7572	106.3129
4.78250e-01	42.8808	1.7103e+01	35.7623	97.3797
4.45942e-01	37.5849	1.7134e+01	38.4221	90.6383
4.22896e-01	36.4218	1.6098e+01	38.0658	91.4868
3.98303e-01	35.4204	1.4953e+01	37.5422	92.7627
2.83620e-01	30.8034	1.0284e+01	36.2583	96.0474
2.52138e-01	29.5362	9.1330e+00	36.2222	96.1432
1.72209e-01	26.1427	6.3670e+00	36.9726	94.1919
1.52216e-01	25.2583	5.6875e+00	37.3647	93.2035
7.66658e-02	21.4381	3.0989e+00	40.4208	86.1566
5.36961e-02	19.9827	2.2720e+00	42.3123	82.3051
2.81597e-02	17.8946	1.2956e+00	46.0079	75.6938
1.91416e-02	16.8722	9.2545e-01	48.3473	72.0312
9.02250e-03	15.0489	4.8407e-01	53.6516	64.9098