

Analysis

Operator: Alex
Sample ID: Katya
Sample Desc: 3
Sample weight: 0.1310 g
Analysis Time: 874.6 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)

Date: 6/23/2021
Filename:
Comment:

Report

Operator: operator
G:\QW2_210624_01.QPS

Date: 7/8/2021

End of run: 6/23/2021 23:13:15
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)

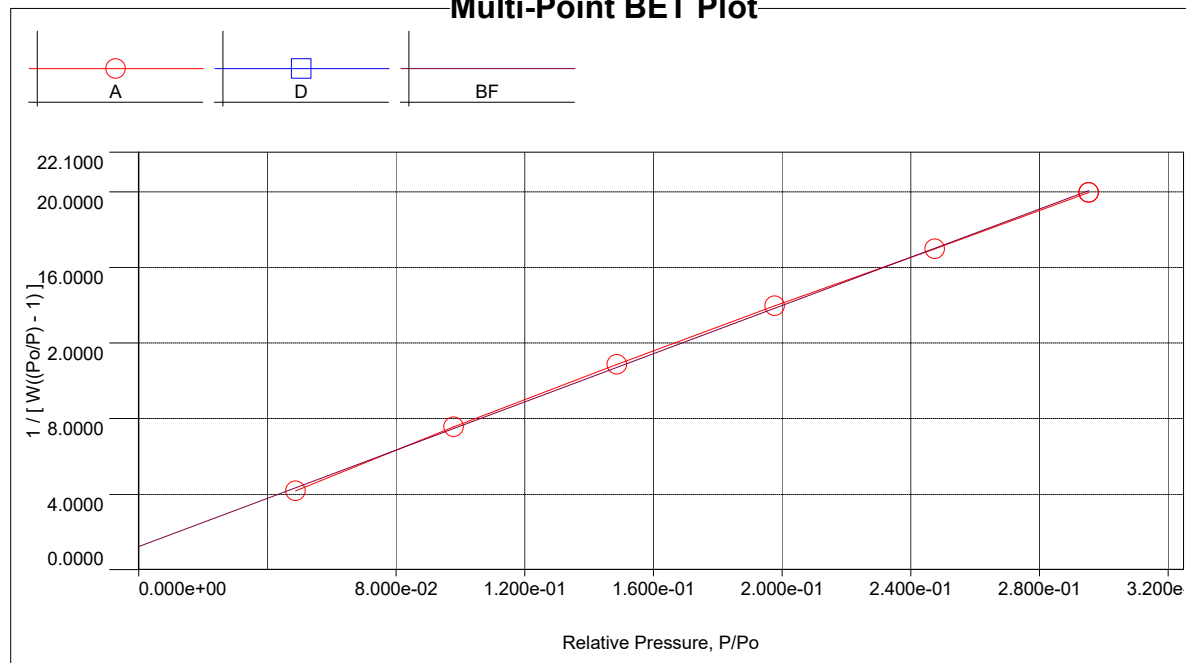
Data Reduction Parameters

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

MBET summary

Slope = 63.813
Intercept = 1.217e+00
Correlation coefficient, r = 0.999743
C constant = 53.414
Surface Area = 53.552 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]	$1/[W((P_o/P) - 1)]$
4.90746e-02	9.9129	4.1654e+00	1.97711e-01	14.1344	1.3950e+01
9.80640e-02	11.5305	7.5446e+00	2.47376e-01	15.5075	1.6959e+01
1.48758e-01	12.8715	1.0863e+01	2.95211e-01	16.8021	1.9946e+01

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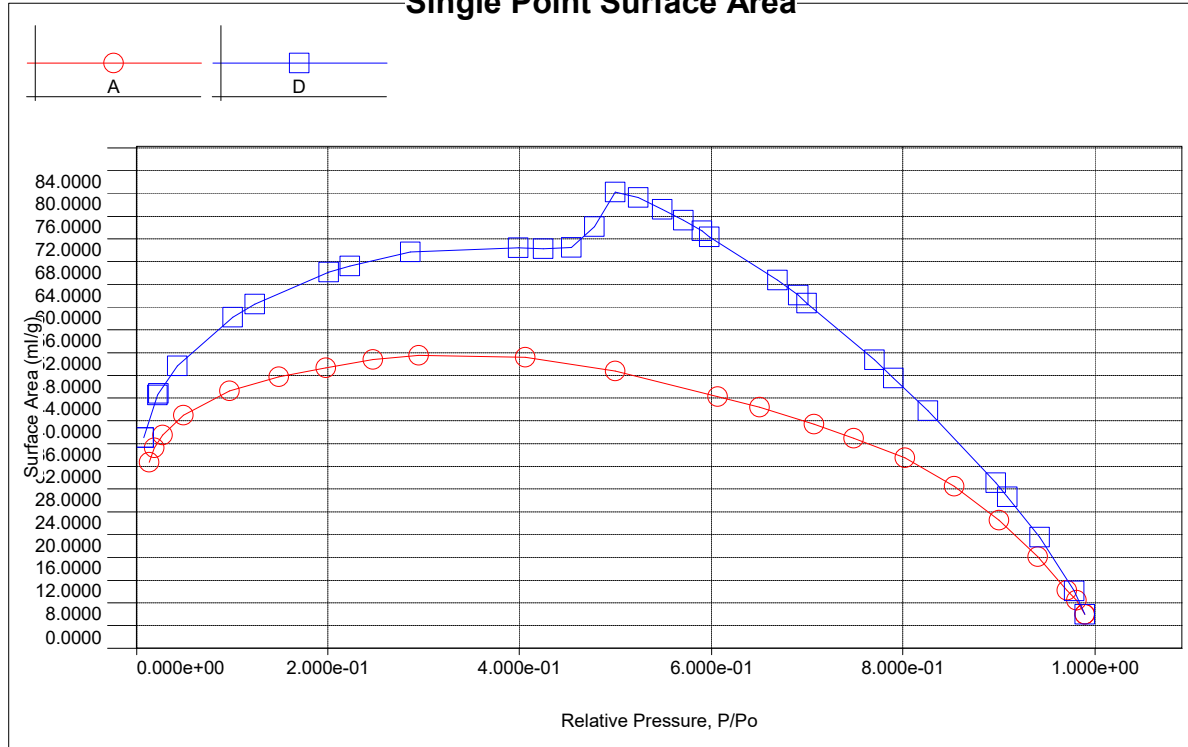
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Single Point Surface Area



Single Point Surface Area

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [W((P/Po) - 1)]	Slope	Surf. Area [ml/g]
1.32429e-02	7.6112	1.4108e+00	106.5340	32.6892
1.90486e-02	8.2550	1.8821e+00	98.8070	35.2456
2.75622e-02	8.8592	2.5598e+00	92.8741	37.4972
4.90746e-02	9.9129	4.1654e+00	84.8798	41.0288
9.80640e-02	11.5305	7.5446e+00	76.9356	45.2653
1.48758e-01	12.8715	1.0863e+01	73.0242	47.6899
1.97711e-01	14.1344	1.3950e+01	70.5573	49.3573
2.47376e-01	15.5075	1.6959e+01	68.5537	50.7998
2.95211e-01	16.8021	1.9946e+01	67.5661	51.5424
4.06556e-01	19.8241	2.7650e+01	68.0106	51.2055
4.99333e-01	22.3813	3.5654e+01	71.4029	48.7728
6.06601e-01	25.8456	4.7735e+01	78.6919	44.2551
6.50608e-01	27.9070	5.3388e+01	82.0586	42.4394
7.06548e-01	30.8983	6.2348e+01	88.2427	39.4652
7.48540e-01	33.7577	7.0554e+01	94.2561	36.9474
8.01333e-01	38.7677	8.3247e+01	103.8854	33.5227
8.52438e-01	44.2887	1.0436e+02	122.4286	28.4453
8.99820e-01	51.6674	1.3909e+02	154.5800	22.5289
9.40518e-01	62.2214	2.0333e+02	216.1855	16.1089
9.70880e-01	80.3019	3.3220e+02	342.1681	10.1778
9.80292e-01	97.9852	4.0617e+02	414.3402	8.4050
9.89193e-01	126.9793	5.7678e+02	583.0857	5.9726
9.78701e-01	108.7428	3.3809e+02	345.4475	10.0812
9.42329e-01	77.8393	1.6796e+02	178.2341	19.5390
9.08938e-01	67.1760	1.1889e+02	130.7974	26.6253
8.96854e-01	64.7973	1.0737e+02	119.7130	29.0905

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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]
8.26205e-01	55.2883	6.8797e+01	83.2682	41.8229
7.90128e-01	52.0862	5.7832e+01	73.1937	47.5795
7.70051e-01	50.7107	5.2837e+01	68.6148	50.7546
6.99648e-01	46.4643	4.0112e+01	57.3324	60.7426
6.90368e-01	46.0769	3.8717e+01	56.0817	62.0972
6.69027e-01	44.9634	3.5970e+01	53.7648	64.7732
5.98026e-01	41.3656	2.8776e+01	48.1187	72.3735
5.89947e-01	41.1259	2.7990e+01	47.4455	73.4004
5.70784e-01	40.2747	2.6419e+01	46.2852	75.2403
5.49187e-01	39.3614	2.4763e+01	45.0904	77.2341
5.24074e-01	38.2411	2.3040e+01	43.9624	79.2159
5.00298e-01	36.8959	2.1711e+01	43.3971	80.2478
4.78078e-01	32.6223	2.2466e+01	46.9926	74.1077
4.53505e-01	29.6241	2.2413e+01	49.4219	70.4650
4.24686e-01	28.0486	2.1057e+01	49.5831	70.2360
3.98573e-01	26.9079	1.9706e+01	49.4409	70.4379
2.85607e-01	22.4204	1.4267e+01	49.9540	69.7145
2.23264e-01	19.8976	1.1558e+01	51.7698	67.2693
2.00707e-01	19.0266	1.0560e+01	52.6118	66.1926
1.23351e-01	15.8574	7.0996e+00	57.5562	60.5064
1.01083e-01	14.8745	6.0488e+00	59.8395	58.1977
4.29794e-02	11.9300	3.0120e+00	70.0790	49.6942
2.32955e-02	10.5328	1.8118e+00	77.7752	44.7767
2.27601e-02	10.4629	1.7810e+00	78.2521	44.5038
8.25229e-03	8.5898	7.7507e-01	93.9216	37.0790