

Analysis

Operator: Alex
Sample ID: Katya

Date: 6/27/2021

Filename:
Comment:

Report

Operator: operator
G:\QW2_210628_01.QPS

Date: 7/8/2021

Sample Desc: 2 повтор

Sample weight: 0.1350 g

Analysis Time: 854.8 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: 6/27/2021 22:29:54

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)

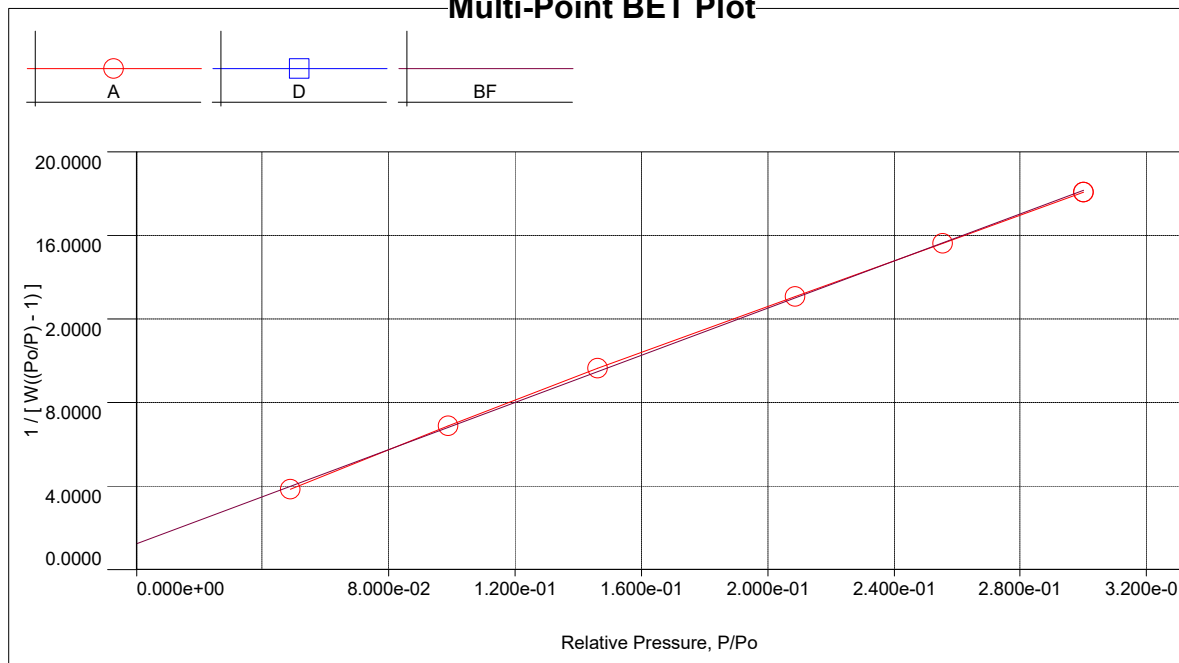
Data Reduction Parameters

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

MBET summary

Slope = 56.432
Intercept = 1.248e+00
Correlation coefficient, r = 0.999774
C constant = 46.219
Surface Area = 60.377 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]	$1/[W((P_o/P) - 1)]$
4.89284e-02	10.7061	3.8447e+00	2.08800e-01	16.1321	1.3089e+01
9.86653e-02	12.7182	6.8866e+00	2.55308e-01	17.5549	1.5626e+01
1.46102e-01	14.1973	9.6426e+00	3.00003e-01	18.9524	1.8093e+01

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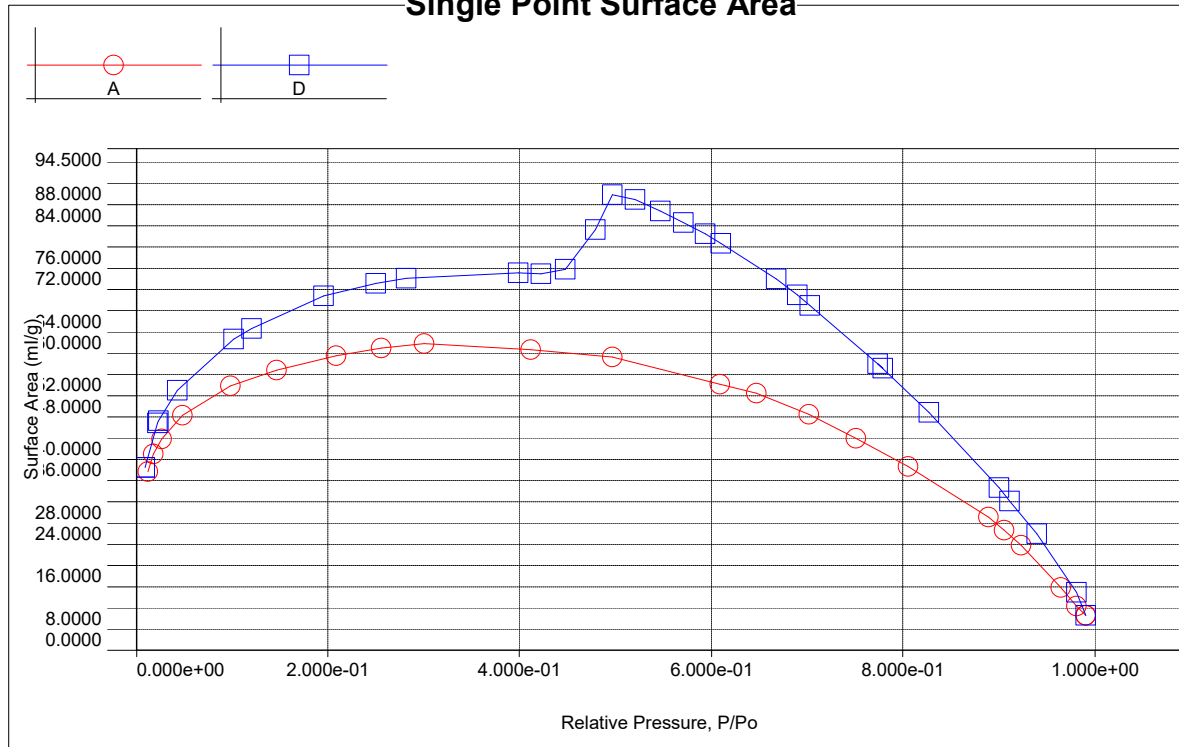
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Single Point Surface Area



Single Point Surface Area

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [W((P/Po) - 1)]	Slope	Surf. Area [ml/g]
1.20506e-02	7.8271	1.2469e+00	103.4701	33.6572
1.81175e-02	8.6488	1.7070e+00	94.2183	36.9622
2.67873e-02	9.4118	2.3399e+00	87.3514	39.8679
4.89284e-02	10.7061	3.8447e+00	78.5787	44.3188
9.86653e-02	12.7182	6.8866e+00	69.7971	49.8949
1.46102e-01	14.1973	9.6426e+00	65.9993	52.7660
2.08800e-01	16.1321	1.3089e+01	62.6863	55.5547
2.55308e-01	17.5549	1.5626e+01	61.2033	56.9008
3.00003e-01	18.9524	1.8093e+01	60.3101	57.7435
4.11184e-01	22.1131	2.5267e+01	61.4499	56.6724
4.96010e-01	25.1872	3.1264e+01	63.0302	55.2515
6.08873e-01	29.4280	4.2325e+01	69.5138	50.0982
6.46934e-01	31.4938	4.6551e+01	71.9564	48.3976
7.01840e-01	34.2940	5.4919e+01	78.2498	44.5051
7.49979e-01	36.7303	6.5343e+01	87.1261	39.9710
8.05460e-01	40.9581	8.0881e+01	100.4157	34.6810
8.88572e-01	51.7762	1.2323e+02	138.6839	25.1112
9.04925e-01	54.6268	1.3941e+02	154.0562	22.6055
9.23119e-01	59.1775	1.6234e+02	175.8634	19.8024
9.64441e-01	76.8934	2.8222e+02	292.6231	11.9010
9.79976e-01	96.1065	4.0743e+02	415.7562	8.3763
9.89906e-01	148.6841	5.2772e+02	533.0986	6.5326
9.80124e-01	126.1117	3.1286e+02	319.2011	10.9101
9.38983e-01	82.6723	1.4893e+02	158.6121	21.9562
9.10708e-01	72.2682	1.1292e+02	123.9917	28.0867
8.99612e-01	70.2204	1.0211e+02	113.5026	30.6823

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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]
8.27098e-01	59.5782	6.4242e+01	77.6718	44.8363
7.73638e-01	54.7711	4.9927e+01	64.5350	53.9632
7.78297e-01	55.0733	5.1002e+01	65.5297	53.1441
7.02980e-01	50.2803	3.7662e+01	53.5755	65.0021
6.89326e-01	49.5267	3.5845e+01	52.0003	66.9711
6.67841e-01	48.3802	3.3251e+01	49.7894	69.9450
6.09704e-01	45.1433	2.7687e+01	45.4112	76.6884
5.93650e-01	44.3694	2.6345e+01	44.3779	78.4741
5.70693e-01	43.1018	2.4677e+01	43.2401	80.5391
5.47025e-01	41.9667	2.3024e+01	42.0892	82.7413
5.20472e-01	40.6602	2.1358e+01	41.0361	84.8646
4.97022e-01	39.2335	2.0152e+01	40.5457	85.8912
4.78873e-01	34.9256	2.1051e+01	43.9605	79.2192
4.47913e-01	29.8739	2.1729e+01	48.5122	71.7865
4.22583e-01	28.2285	2.0744e+01	49.0877	70.9448
3.98002e-01	27.1523	1.9482e+01	48.9495	71.1451
2.81423e-01	22.3902	1.3995e+01	49.7302	70.0283
2.49989e-01	21.1759	1.2594e+01	50.3780	69.1277
1.95444e-01	19.0567	1.0199e+01	52.1850	66.7340
1.20208e-01	15.8273	6.9071e+00	57.4597	60.6080
1.01796e-01	14.9911	6.0488e+00	59.4213	58.6072
4.30229e-02	11.7542	3.0602e+00	71.1305	48.9595
2.34462e-02	10.1709	1.8887e+00	80.5557	43.2311
2.28021e-02	10.0793	1.8523e+00	81.2342	42.8701
8.79242e-03	7.9901	8.8826e-01	101.0257	34.4716