

#### Analysis

Operator: Alex  
Sample ID: Katya  
Sample Desc: 4  
Sample weight: 0.2660 g  
Analysis Time: 807.4 min  
Void Vol.: He Mode. Cell: 9mm large bulb  
Outgas Time: 4.0 hrs  
Analysis gas: Nitrogen  
Press. Tolerance: 0.030/0.030 (ads/des)

Date: 6/29/2021  
Filename:  
Comment:

#### Report

Operator: operator  
G:\QW2\_210630\_01.QPS

Date: 7/8/2021

End of run: 6/29/2021 21:04:32  
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)

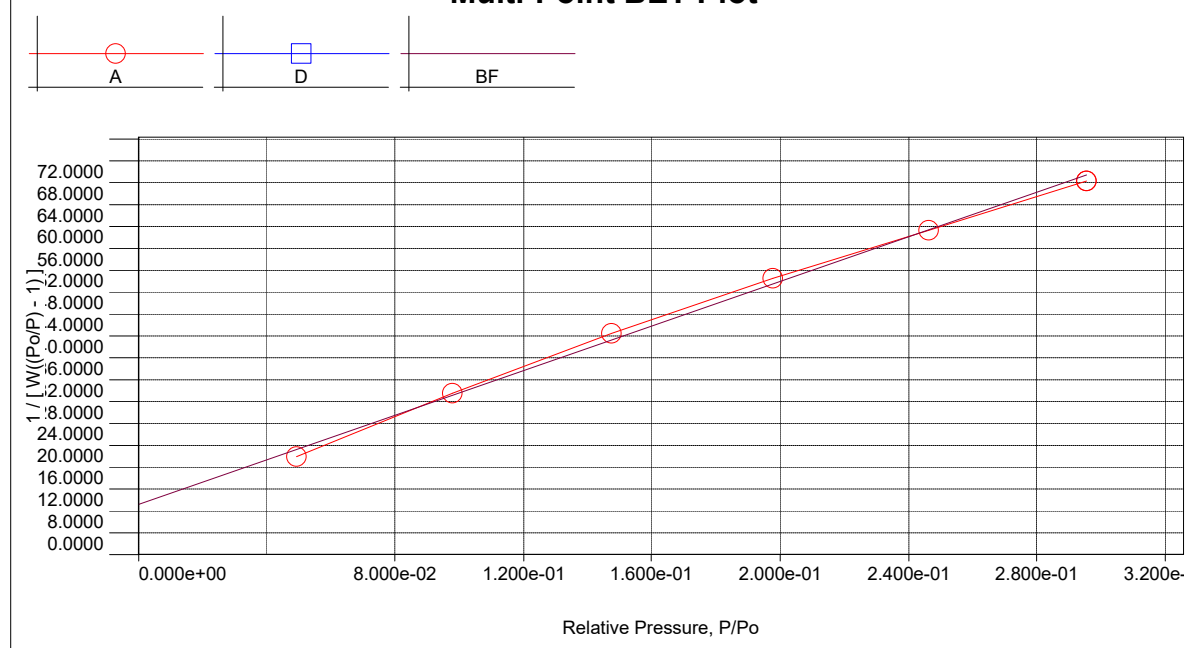
#### Data Reduction Parameters

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

#### MBET summary

Slope = 203.825  
Intercept = 9.214e+00  
Correlation coefficient, r = 0.998409  
C constant = 23.122  
Surface Area = 16.347 ml/g

#### Multi-Point BET Plot



#### Multi-Point BET

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [ W((Po/P) - 1) ]	Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [ W((Po/P) - 1) ]
4.93619e-02	2.3212	1.7899e+01	1.97847e-01	3.9059	5.0525e+01
9.78666e-02	2.9427	2.9496e+01	2.46180e-01	4.4042	5.9329e+01
1.47379e-01	3.4179	4.0464e+01	2.95482e-01	4.9098	6.8347e+01



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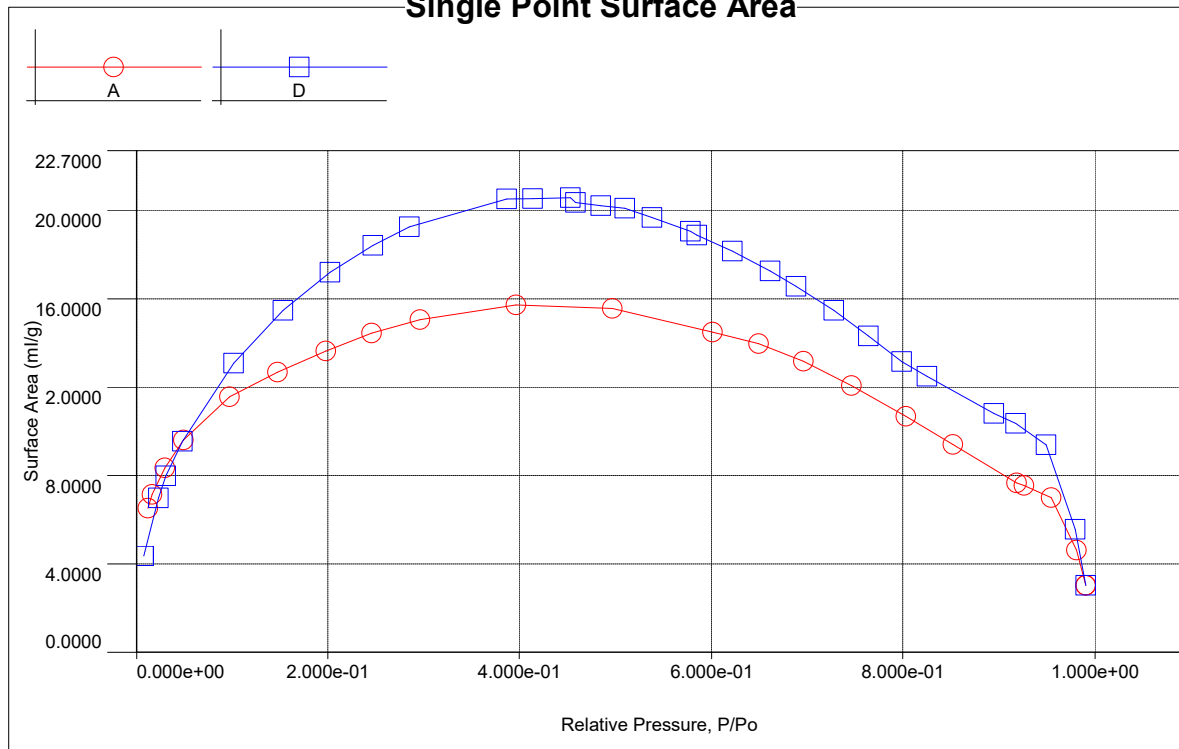
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## Single Point Surface Area



## Single Point Surface Area

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [ W((P/Po) - 1) ]	Slope	Surf. Area [ml/g]
1.23739e-02	1.5187	6.6007e+00	533.4384	6.5284
1.68202e-02	1.6700	8.1965e+00	487.3034	7.1465
3.03975e-02	1.9770	1.2688e+01	417.3957	8.3434
4.93619e-02	2.3212	1.7899e+01	362.6006	9.6043
9.78666e-02	2.9427	2.9496e+01	301.3934	11.5547
1.47379e-01	3.4179	4.0464e+01	274.5565	12.6842
1.97847e-01	3.9059	5.0525e+01	255.3734	13.6370
2.46180e-01	4.4042	5.9329e+01	240.9970	14.4505
2.95482e-01	4.9098	6.8347e+01	231.3080	15.0558
3.96368e-01	5.9810	8.7842e+01	221.6171	15.7141
4.96441e-01	7.1024	1.1106e+02	223.7133	15.5669
6.00607e-01	8.3405	1.4426e+02	240.1904	14.4990
6.49405e-01	9.1493	1.6198e+02	249.4336	13.9617
6.96098e-01	9.9698	1.8382e+02	264.0758	13.1876
7.46525e-01	10.9386	2.1543e+02	288.5730	12.0681
8.03175e-01	12.4728	2.6177e+02	325.9168	10.6853
8.52360e-01	14.6311	3.1571e+02	370.3981	9.4021
9.17808e-01	21.4158	4.1720e+02	454.5573	7.6613
9.26055e-01	23.4792	4.2677e+02	460.8494	7.5567
9.54304e-01	35.2509	4.7401e+02	496.7047	7.0112
9.80647e-01	54.9020	7.3847e+02	753.0472	4.6246
9.90656e-01	74.7879	1.1342e+03	1144.9071	3.0417
9.79310e-01	61.8784	6.1204e+02	624.9681	5.5723
9.49214e-01	42.4539	3.5225e+02	371.0993	9.3843
9.16891e-01	28.6671	3.0792e+02	335.8299	10.3699
8.94215e-01	23.4809	2.8804e+02	322.1156	10.8114

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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]
8.24991e-01	16.4133	2.2980e+02	278.5445	12.5026
7.98224e-01	14.9889	2.1117e+02	264.5509	13.1639
7.63426e-01	13.9092	1.8563e+02	243.1543	14.3223
7.27452e-01	13.0476	1.6367e+02	224.9972	15.4780
6.87818e-01	12.1906	1.4461e+02	210.2416	16.5644
6.61379e-01	11.7142	1.3341e+02	201.7074	17.2652
6.22006e-01	11.0311	1.1936e+02	191.8874	18.1488
5.84418e-01	10.4302	1.0788e+02	184.5863	18.8666
5.78386e-01	10.3861	1.0568e+02	182.7192	19.0594
5.38433e-01	9.7910	9.5328e+01	177.0473	19.6700
5.09919e-01	9.4216	8.8361e+01	173.2843	20.0971
4.84358e-01	9.0053	8.3458e+01	172.3069	20.2111
4.57959e-01	8.6219	7.8405e+01	171.2047	20.3412
4.53066e-01	8.6412	7.6701e+01	169.2937	20.5709
4.14189e-01	8.0483	7.0289e+01	169.7029	20.5213
3.85913e-01	7.6753	6.5511e+01	169.7552	20.5149
2.85130e-01	6.1884	5.1569e+01	180.8600	19.2553
2.46797e-01	5.6181	4.6664e+01	189.0801	18.4182
2.02210e-01	4.9514	4.0958e+01	202.5500	17.1934
1.53389e-01	4.1999	3.4516e+01	225.0223	15.4763
1.02314e-01	3.3505	2.7218e+01	266.0235	13.0910
4.80945e-02	2.3042	1.7544e+01	364.7898	9.5466
3.13222e-02	1.8924	1.3671e+01	436.4639	7.9789
2.30561e-02	1.6430	1.1493e+01	498.4752	6.9863
8.11667e-03	1.0108	6.4773e+00	798.0286	4.3639