

Micromeritics Instrument Corp

AutoPore IV 9500 V1.10

Serial: 1431

Port: 1/1

Page 1

Sample ID: 5F-3 Sand
Operator: Glen Baum
Submitter: Michael Nole
File: C:\9500\DATA\9410DATA\000-453.SMP

LP Analysis Time: 7/12/2018 4:00:27PM
HP Analysis Time: 7/17/2018 8:23:55AM
Report Time: 7/18/2018 6:40:28AM

Sample Weight: 3.4738 g
Correction Type: Blank
Show Neg. Int: No

Summary Report

Penetrometer parameters

Penetrometer: 10-0973 5 Bulb, 1.836 Stem, Powder
Pen. Constant: 27.820 µL/pF Pen. Weight: 63.5592 g
Stem Volume: 1.8360 mL Max. Head Pressure: 4.4500 psia
Pen. Volume: 1.0000 mL Assembly Weight: 110.2290 g

Hg Parameters

Adv. Contact Angle: 130.000 degrees Rec. Contact Angle: 130.000 degrees
Hg Surface Tension: 485.000 dynes/cm Hg Density: 13.5335 g/mL

User Parameters

Param 1: 0.000 Param 2: 0.000 Param 3: 0.000

Low Pressure:

Evacuation Pressure: 50 µmHg
Evacuation Time: 5 mins
Mercury Filling Pressure: 0.57 psia
Equilibration Time: 10 secs

High Pressure:

Equilibration Time: 10 secs

Blank Correction Sample: C:\9500\DATA\2016\000-186.SMP
Blank Correction ID: Blank PEN Correction 10-0973

Intrusion Data Summary

Total Intrusion Volume = 0.3547 mL/g
Total Pore Area = -26.435 m²/g
Median Pore Diameter (Volume) = 46.0060 µm
Median Pore Diameter (Area) = 316.4686 µm
Average Pore Diameter (4V/A) = -0.0537 µm
Bulk Density at 0.57 psia = 0.0000 g/mL
Apparent (skeletal) Density at 59853.43 psia = 1.0000 g/mL
Porosity = 100.0000 %
Stem Volume Used = 76 %