

PAB Materials Test System	
Date of Receipt	8/24/2009
Sample Name/Description	Carbon Filter Material
Sample	
Composition:	
Picture Location:	elog #1000
Density:	x
Weight:	x
Dimensions/Area:	x
Source:	Rich Schmitt
Preparation:	Flashed with LAr, put into centered metal filter cartridge and baked at 250F in the vacuum oven for 17hrs
Submerging in LAr or LH2	Flashed
Zero Test	x
Time in the airlock(hrs)	24.5hrs
Purge:	x
Vacuum:	8/12/09 10:15am 8/13/09 10:40, Turbo for 20hrs, pressure 4x10 ⁻⁶ Torr
Vapor Test 1	
Start Time/Date, End Time/Date :	8/14/09 9:15am, 8/18/09 7:00pm
PrM run # :	5787
Condenser state:	On
Filter state:	On
O2 reading:	0 ppm
H2O reading:	0 (-0.66) ppb
Temperature:	195K
Lifetime:	11ms before test, 4ms at the end
Vapor Test 2	x
Start Time/Date, End Time/Date :	
PrM run # :	
Condenser state:	
Filter state:	
O2 reading:	
H2O reading:	
Temperature:	
Lifetime:	
Liquid Test	
Start Time/Date, End Time/Date :	8/13/09 10:40am, 8/14/09 9:15am
PrM run # :	5772
Condenser state:	On
Filter state/settings:	On
O2 reading:	0 (-0.7ppb)
H2O reading:	Halo 2.1ppb, LaserTrace 0.7ppb
Temperature:	94.5K
Lifetime:	8.7ms 2min after submerging in LAr, 12ms 24hrs after
Liquid level :	26.4 inches
Results & Comments	Carbon Filter Material can be used in low temperatures.