

Arizona System Analysis Professionals, LLC

1478 South Pike Lane, Gilbert, Arizona 85296

TOOL / EQUIPMENT BALANCE REPORT

Equip ID: VMB2SiF4 **Building:** E **Date:** November 7, 2022
Project: VMB2SiF4 Install **Functional Area:** CVD
Installing Contractor: ABC Mechanical
PM: Joe Johnson **Room Number:** H Subfab **Balancers:** JB

SCOPE: Balance to face velocity - the average face velocity through the open door shall be at least 200 fpm. At no point shall the face velocity fall below 150 fpm. Provide balance report with total duct airflow, duct static pressure, damper % open position, table indicating face velocity at different locations and exhaust schematic.

LATERAL SP "		REF NUMBER	SYSTEM	DUCT SIZE	MINIMUM CFM	TEST				DAMPER OPEN POS.
BEFORE	AFTER					VELOCITY	CFM	SP "	% of DESIGN	
-2.03"	-1.95"	1	AE	6"	200	1058	208	-0.29"	104%	100%
WINDOW SIZE	TLV (ppm)	WINDOW DESIGN VELOCITIES		ACTUAL WINDOW VELOCITY AVG	% OF DESIGN ON WINDOW FACE VELOCITY	DESIGN MIN SP W/ WINDOW OPEN	ACTUAL SP W/ WINDOW OPEN	SP % OF DESIGN W/ WINDOW OPEN	LOWEST SINGLE VELOCITY READING	
		AVG MIN	MIN READ							
4 3/4" x 14 1/4"	N/A	200	150	373	187%	-0.1"	-0.22"	222%	319	

VELOCITY READINGS TAKEN WHILE FACING WINDOW

421	412	390	389
396	360	368	375
357	369	331	319

NOTES: This cabinet was set to achieve the design flow, all other criteria exceeds the minimum specifications
 This cabinets does have a damper in the vent at the base of the box that is open 100% open
 VMB4bNH3 cabinet was set at the same time as this cabinet
 A temporary baffle was installed at the face of the port. The permanent replacement will need to be installed in the same location as the temporary baffle is installed. This area is marked on the cabinet.

