Multireactor checklist

This checklist is not for training nor a replacement for SOP. User must read the SOP and must be trained by the person in charge in advanced.

1. F	Preparatory phase
	a. Wear appropriate PPE and check hood flow.
	☐ Use detectors for toxic gases
	b. Do not use toxic gas alone. Ask someone to be around you
	c. Check gas connections.
	☐ Confirm identity of gas and change if necessary.
	☐ Check CGA number on the regulator and cylinder.
	$N_2 - 580$, $H_2 - 350$, $CO - 350$, $C_2H_4 - 350$, $CO_2 - 320$
^ [☐ Check for leaks on the regulator and the manifold.
2. t	Run phase
	a. Charge low pressure first and check for leak on the vessel
	b. Keep an eye on temperature and pressure until stabilized.
	c. Don't forget to vent the manifold and close the cylinder.
	d. Close the sash and set up an SOC.
3. \	Workup phase
	 a. Check reactions are in the expected temperature and pressure
	b. Plan for quenching potential hazardous chemicals in the
	reaction mixture.
	☐ Use I₂/acetone bubbler for potential generation of Ni(CO)₄.
	c. Vent before opening the vessel.
	☐ Make sure the vessels are cooled enough before venting.
	☐ Vent slowly to prevent shattering and bumping.