

CAPSTONE DESIGN PROBLEM - CADET ASSIGNMENTS

As of 14 August 2022

A-Hour	Species	T1, K	P1, bar	T2, K	P2, bar
Dawson	Methanol	435.63	8.08	1025.00	64.67
	Dinitrogen Tetroxide	366.65	9.98	862.70	79.81
Harrison	Ethanol	436.90	6.14	1028.00	49.10
	Formaldehyde	357.00	6.59	840.00	52.72
Kim	Ethylene Oxide	398.78	7.19	938.30	57.52
	Ethylbenzene	524.58	3.61	1357.73	28.87
Romsland	Ethylene	239.99	5.04	564.68	40.33
	Propylene	310.12	4.60	729.70	36.80
Tuttle	Methane	161.98	4.60	381.13	36.79
	Oxygen	131.39	5.04	309.16	40.34

B-Hour	Species	T1, K	P1, bar	T2, K	P2, bar
Bedor	1-Hexene	428.40	3.21	1008.00	25.68
	Air	112.58	3.77	264.90	30.19
Bomke	Benzene	477.74	4.90	1124.10	39.16
	Toluene	502.99	4.11	1183.50	32.86
Hwang	Ethane	259.52	4.87	610.64	38.98
	Water	550.03	22.06	1294.19	176.51
Komorowski	Propane	314.36	4.25	739.66	33.98
	Acetylene	396.10	5.57	932.00	44.56
Liesen	Bromine	496.53	10.30	1168.30	82.40
	Hydrogen	28.21	1.31	66.38	10.50
Sawyer	Nitric Oxide	153.13	6.48	360.30	51.84
	Ammonia	344.80	11.28	811.30	90.24
Taptich	N-Hexane	431.46	3.03	1015.20	24.20
	Hydrogen Sulfide	317.50	8.96	747.06	71.70
Zlotnick	Chlorine	354.58	7.71	834.30	61.68
	Nitrogen	107.27	3.40	252.40	27.20