

Results:

Object	Feed	Make Up	Solvent	D-01	B-01	D-02	B-02
Temperature	298.15	298.15	323.116	350.506	390.749	352.386	409.921
Pressure	101325	101325	101325	101325	101325	101325	101325
Mass Flow	6209.01	31.9557	22782.8	2380.92	26610.9	3873.4	22737.5
Molar Flow	100	0.301	215.001	50.1	264.9	50.209	214.7
Mole fraction-ethanol	0.5	0	0	0.96818	0.00564	0.02976	0
Mole fraction Benzene	0.5	0	0.007086	0.0163	0.1914	0.970237	0.009315
Mole Fraction P-Xylene	0	1	0.9929	0.01551	0.802942	0	0.990685

References:

Zhang, Xia, et al. "Determination of an optimum entrainer for extractive distillation based on an isovolatility curve at different pressures." *Separation and Purification Technology* 201 (2018): 79-95.