

BH Scenario														
Stream Name	3-25	4-01	4-02	4-03	4-04	4-05	4-06	4-07	4-08	4-09	4-10	5-01	5-02	5-03
Temperature (K)	546	-	-	-	-	-	-	-	-	-	-	298	546	298
Pressure (atm)	1	-	-	-	-	-	-	-	-	-	-	1	1	1
Mass Flow (tonnes/year)	1082.95	-	-	-	-	-	-	-	-	-	-	1363.07	1082.95	1363.07
TOLUENE	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
MNT	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
ONT	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
PNT	0.36%	-	-	-	-	-	-	-	-	-	-	0.00%	0.36%	0.00%
HNO3	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
MTOLDINE	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
OTOLDINE	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
PTOLDINE	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
ONBH	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
PNBH	95.07%	-	-	-	-	-	-	-	-	-	-	0.00%	95.07%	0.00%
WATER	0.00%	-	-	-	-	-	-	-	-	-	-	15.00%	0.00%	15.00%
ONBA	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
MNBA	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
PNBA	4.47%	-	-	-	-	-	-	-	-	-	-	0.00%	4.47%	0.00%
OABA	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
MABA	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
PABA	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
H2	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
METHANOL	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
N2	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
O2	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
P-NITROBENZYL ALCOHOL	0.10%	-	-	-	-	-	-	-	-	-	-	0.00%	0.10%	0.00%
PABH	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%
FORMIC ACID	0.00%	-	-	-	-	-	-	-	-	-	-	85.00%	0.00%	85.00%
CO2	0.00%	-	-	-	-	-	-	-	-	-	-	0.00%	0.00%	0.00%

BH Scenario														
Stream Name	5-04	5-05	5-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14	5-15	5-16	5-17
Temperature (K)	544	382	382	382	298	296	377	372	527	527	527	545	545	545
Pressure (atm)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mass Flow (tonnes/year)	1033.49	2660.23	2660.23	2660.23	2660.23	2660.19	1441.19	1163.64	814.69	814.69	814.69	277.55	13.88	263.67
TOLUENE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MNT	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
ONT	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PNT	0.38%	0.15%	0.15%	0.15%	0.15%	0.15%	0.27%	0.33%	0.47%	0.47%	0.47%	0.00%	0.00%	0.00%
HNO3	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MTOLDINE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
OTOLDINE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PTOLDINE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
ONBH	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PNBH	99.49%	47.67%	47.67%	47.67%	47.67%	9.53%	17.52%	0.01%	0.01%	0.01%	0.01%	90.97%	90.97%	90.97%
WATER	0.00%	7.69%	7.69%	7.69%	7.69%	7.69%	4.61%	5.71%	0.02%	0.02%	0.02%	0.00%	0.00%	0.00%
ONBA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MNBA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PNBA	0.02%	0.01%	0.01%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%
OABA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MABA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PABA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
H2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
METHANOL	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
N2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
O2	0.00%	0.00%	0.00%	0.00%	0.00%	8.08%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
P-NITROBENZYL ALCOHOL	0.11%	0.82%	0.82%	0.82%	0.82%	0.82%	1.50%	0.00%	0.00%	0.00%	0.00%	7.81%	7.81%	7.81%
PABH	0.00%	0.12%	0.12%	0.12%	0.12%	30.69%	56.42%	69.59%	99.28%	99.28%	99.28%	1.20%	1.20%	1.20%
FORMIC ACID	0.00%	43.55%	43.55%	43.55%	43.55%	31.94%	19.63%	24.31%	0.23%	0.23%	0.23%	0.00%	0.00%	0.00%
CO2	0.00%	0.00%	0.00%	0.00%	0.00%	11.11%	0.04%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

BH Scenario		
Stream Name	6-11	6-12
Temperature (K)	298	298
Pressure (atm)	1	1
Mass Flow (tonnes/year)	32.93	19.34
TOLUENE	0.00%	0.00%
MNT	0.00%	0.00%
ONT	0.00%	0.00%
PNT	0.00%	0.00%
HNO3	0.00%	0.00%
MTOLDINE	0.00%	0.00%
OTOLDINE	0.00%	0.00%
PTOLDINE	0.00%	0.00%
ONBH	0.00%	0.00%
PNBH	0.00%	0.00%
WATER	0.00%	0.00%
ONBA	0.00%	0.00%
MNBA	0.00%	0.00%
PNBA	0.00%	0.00%
OABA	0.00%	0.00%
MABA	0.00%	0.00%
PABA	100%	0.00%
H2	0.00%	0.00%
METHANOL	0.00%	0.00%
N2	0.00%	0.00%
O2	0.00%	42.10%
P-NITROBENZYL ALCOHOL	0.00%	0.00%
PABH	0.00%	0.00%
FORMIC ACID	0.00%	0.00%
CO2	0.00%	57.90%