



Column Operating Pressure = 14.7 Psia

SRXC (1) - MEB

Stream Name		04-07	05-01	05-11	05-12	05-10	05-2	05-3	05-4	05-5	05-6	05-7	05-8	05-9
Stream Description		Feed to SRX-HE-204	Feed From SRX-HE-204 to Column	Preheater Hot Oil I/L	Preheater Hot Oil O/L	Column Top Vapor	Column Top Distillate	Column Bot.	Reboiler Process I/L	Reboiler Process O/L	Reboiler Hot Oil I/L	Reboiler Hot Oil O/L	Condenser Water In	Condenser Water Out
Total Stream														
Molar Flow Rate	LBMOLE / HR	46.44	46.44	24.07	24.07	46.75	34.63	24.83	505.89	505.89	62.99	62.99	2627.78	2627.78
Mass Flow Rate	LB/HR	3438.16	3438.16	6064.71	6064.71	1495.89	1108.07	2330.09	37450.36	37450.36	15874.10	15874.10	47300.03	47300.03
Temp.	°F	86.00	190.00	300.00	220.00	148.13	148.13	223.38	223.38	237.24	530.00	450.00	90.00	105.00
Pressure	PSIA	50.00	45.00	30.00	25.00	14.70	50.00	50.00	50.00	45.00	30.00	25.00	58.00	53.00
Std. Specific Gravity		1.02	1.02	0.94	0.94	0.75	0.75	1.12	1.02	1.02	0.83	0.83	1.00	1.00
Avg. Molecular Weight		74.03	74.03	252.00	252.00	32.00	32.00	93.85	74.03	74.03	252.00	252.00	18.00	18.00
Actual Volume	FT ³ / HR	54.18	54.18	103.57	103.57	21369.85	23.67	33.29	535.01	535.01	305.45	305.45	757.77	757.77
Std. Liquid Flow Rate	GPH	405.26	405.26	774.75	774.75	n/a	177.03	248.99	4001.95	4001.95	2284.81	2284.81	5668.27	5668.27
Std. Vapor Flow Rate	SCFH	n/a	n/a	n/a	n/a	21369.85	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Liquid														
Component Mass - LB/HR														
Treated Oil		0.00	0.00	n/a	n/a	n/a	n/a	0.00	0.00	0.00	n/a	n/a	n/a	n/a
Methanol		1274.66	1274.66	n/a	n/a	1495.42	1107.72	166.94	2683.2	2683.2	n/a	n/a	n/a	n/a
Sodium Methylate		94.78	94.78	n/a	n/a	0.00	0.00	94.78	1523.4	1523.4	n/a	n/a	n/a	n/a
Glycerin		1875.15	1875.15	n/a	n/a	0.00	0	1875.15	30138.3	30138.3	n/a	n/a	n/a	n/a
BioDiesel		92.45	92.45	n/a	n/a	0.00	0.00	92.45	1486.0	1486.0	n/a	n/a	n/a	n/a
Water		16.68	16.68	n/a	n/a	0.47	0.35	16.33	262.5	262.5	n/a	n/a	47300.03	47300.03
H ₂ SO ₄		84.43	84.43	n/a	n/a	0.00	0.00	84.43	1357.0	1357.0	n/a	n/a	n/a	n/a
NaOH		0.00	0.00	n/a	n/a	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	n/a
Density	LB/FT ³	63.46	63.46	58.56	58.56	n/a	46.82	70.00	70.00	70.00	51.97	51.97	62.42	62.42
Heat Capacity	BTU/LB,°F	0.62	0.62	0.57	0.57	n/a	0.62	1.80	0.62	0.62	0.57	0.57	1.00	1.00
Thermal Conductivity	BTU/FT,H,°F			n/a	n/a	n/a				n/a	n/a	n/a		
Viscosity	CP	777.09	777.09	n/a	n/a	n/a	0.59	1146.35	1146.35	n/a	n/a	n/a		
Vapor														
Molar Flow Rate	LBMOLE / HR	n/a	n/a	n/a	n/a	46.75	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Mass Flow Rate	LB/HR	n/a	n/a	n/a	n/a	1495.89	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Temp.	°F	n/a	n/a	n/a	n/a	148.13	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Vapor Std Vol Flow	SCFH	n/a	n/a	n/a	n/a	21369.85	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Molecular Weight		n/a	n/a	n/a	n/a	32.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Z (from K)		n/a	n/a	n/a	n/a	0.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Enthalpy	MMBTU/HR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Heat Capacity	BTU/lb°F	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Density	LB/FT ³	n/a	n/a	n/a	n/a	0.07	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Th. Conductivity	BTU/FT,H,°F	n/a	n/a				n/a	n/a	n/a	n/a			n/a	n/a
Viscosity	CP	n/a	n/a				n/a	n/a	n/a	n/a			n/a	n/a

VALUES MANUALLY ENTERED