

Primera reacción a 150° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Agua	0.749	1.155	8.3415	8.34146	10.85241	10.85241	13.43227
Metanol	1.085	4.82625	34.8554	21.71399	28.25036	11.81069	14.61835
Isobutileno	1.683	4.4	31.7770	31.77698	41.34253	41.34253	51.17055
Subproducto	3.941	1.7825	12.8733	12.87329	16.74842	16.74842	20.72989
MTBE	8.339	1.68275	12.1529	2.15698	2.80627	0.03954	0.04894
		13.847	100	76.86270	100	80.79360	100
				Conversion	94.7204		
				Rendimiento	55.2002		
				Selectividad	51.1956		

Segunda reacción a 150° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Agua	0.769	0.555	6.4134	6.4134	8.2269	8.2269	10.4871
Metanol	1.231	3.7125	42.9005	26.7259	34.2832	14.3328	18.2705
Isobutileno	1.976	2.64375	30.5503	30.5503	39.1891	39.1891	49.9555
Subproducto	4.594	1.125	13.0001	13.0001	16.6762	16.6762	21.2577
MTBE	9.337	0.6175	7.1356	1.2665	1.6246	0.0229	0.0292
		8.654	100	77.9562	100	78.4480	100
				Conversion	96.8521		
				Rendimiento	53.88945		
				Selectividad	49.9701		

Tercera reacción a 150° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Agua	0.759	0.2625	0.9630	0.9630	1.1970	1.1970	1.4611
Metanol	1.063	10.02375	36.7726	22.9084	28.4760	11.9050	14.5317
Isobutileno	1.41	9.1875	33.7048	33.7048	41.8964	41.8964	51.1400
Subproducto	3.853	5.9	21.6444	21.6444	26.9049	26.9049	32.8409
MTBE	8.078	1.885	6.9152	1.2274	1.5257	0.0215	0.0262
		27.259	100	80.4479	100	81.9249	100
				Conversion	97.1693		
				Rendimiento	55.167231		
				Selectividad	51.1534		

Primera reacción a 175° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Subproducto	0.664	0.500	3.2394	3.23939	3.92352	3.92352	4.58154
Agua	0.796	0.338	2.1866	2.18659	2.64838	2.64838	3.09254
Metanol	1.56	4.455	28.8630	17.98088	21.77827	9.10489	10.63188
Isobutileno	2.107	7.425	48.1050	48.10496	58.26428	58.26428	68.03580
Subproducto	4.33	1.488	9.6372	9.63719	11.67247	11.67247	13.63007
MTBE	8.592	1.230	7.9689	1.41437	1.71308	0.02414	0.02819
		15.435	100	82.56338	100	85.63768	100
				Conversion	96.7787		
				Rendimiento	77.7552		
				Selectividad	68.0550		

Segunda reacción a 175° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Subproducto	0.682	0.735	4.8387	4.83871	5.88734	5.88734	6.83346
Agua	0.774	0.500	3.2916	3.29164	4.00500	4.00500	4.64861
Metanol	1.081	4.084	26.8845	16.74832	20.37798	8.51947	9.88857
Isobutileno	1.619	7.054	46.4368	46.43680	56.50048	56.50048	65.58029
Subproducto	3.939	1.400	9.2166	9.21659	11.21399	11.21399	13.01611
MTBE	8.422	1.418	9.3318	1.65627	2.01521	0.02840	0.03296
		15.190	100	82.18833	100	86.15467	100
				Conversion	96.2333		
				Rendimiento	74.9489		
				Selectividad	65.6019		

Tercera reacción a 175° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Subproducto	0.636	1.050	5.1126	5.11260	5.97174	5.97174	6.73436
Agua	0.787	0.975	4.7474	4.74741	5.54519	5.54519	6.25333
Metanol	1.103	4.826	23.4997	14.63970	17.09981	7.14896	8.06191
Isobutileno	1.501	10.869	52.9215	52.92149	61.81464	61.81464	69.70861
Subproducto	4.058	1.438	6.9994	6.99939	8.17560	8.17560	9.21966
MTBE	8.263	1.380	6.7194	1.19261	1.39302	0.01963	0.02214
		20.538	100	85.61319	100	88.67576	100
				Conversion	97.4703		
				Rendimiento	79.6670		
				Selectividad	69.7240		

Cuarta reacción a 175° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Subproducto	0.692	0.340	1.6397	1.63974	2.08913	2.08913	2.49106
Agua	0.755	0.525	2.5320	2.53195	3.22587	3.22587	3.84649
Metanol	1.053	5.940	28.6472	17.84647	22.73756	9.50594	11.33477
Isobutileno	1.555	8.865	42.7538	42.75380	54.47112	54.47112	64.95070
Subproducto	3.884	2.365	11.4058	11.40584	14.53178	14.53178	17.32751
MTBE	7.306	2.700	13.0215	2.31114	2.94454	0.04149	0.04947
		20.735	100	78.48893	100	83.86534	100
				Conversion	94.3460		
				Rendimiento	74.2294		
				Selectividad	64.9828		

Quinta reacción a 175° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Subproducto	0.689	0.213	0.9942	0.99415	1.25145	1.25145	1.48980
Agua	0.754	0.480	2.2456	2.24561	2.82680	2.82680	3.36520
Metanol	1.07	6.311	29.5263	18.39412	23.15469	9.68033	11.52409
Isobutileno	1.511	9.281	43.4211	43.42105	54.65881	54.65881	65.06934
Subproducto	3.787	2.640	12.3509	12.35088	15.54740	15.54740	18.50861
MTBE	7.09	2.450	11.4620	2.03435	2.56086	0.03608	0.04296
		21.375	100	79.44017	100	84.00087	100
				Conversion	95.0907		
				Rendimiento	74.3650		
				Selectividad	65.0973		

Primera reacción a 200° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Agua	0.7	1.013	4.2627	4.26271	4.88926	4.88926	5.57098
Metanol	0.985	6.683	28.1339	17.52667	20.10280	8.40442	9.57628
Isobutileno	1.425	14.108	59.3937	59.39375	68.12364	68.12364	77.62233
Subproducto	3.711	1.313	5.5257	5.52573	6.33792	6.33792	7.22164
MTBE	7.981	0.638	2.6839	0.47636	0.54638	0.00770	0.00877
		23.753	100	87.18523	100	87.76294	100
				Conversion	98.9418		
				Rendimiento	93.6337		
				Selectividad	77.6291		

Segunda reacción a 200° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Agua	0.7	0.259	1.2377	1.23774	1.45184	1.45184	1.68187
Metanol	0.962	6.311	30.1901	18.80767	22.06088	9.22304	10.68438
Isobutileno	1.398	11.880	56.8285	56.82851	66.65827	66.65827	77.21987
Subproducto	3.671	1.600	7.6537	7.65367	8.97754	8.97754	10.39998
MTBE	7.88	0.855	4.0899	0.72591	0.85147	0.01200	0.01390
		20.905	100	85.25350	100	86.32269	100
				Conversion	98.3234		
				Rendimiento	93.1482		
				Selectividad	77.2306		

Tercera reacción a 200° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Agua	0.717	0.808	3.0444	3.04444	3.48454	3.48454	3.88516
Metanol	0.967	5.940	22.3950	13.95151	15.96830	6.67590	7.44346
Isobutileno	1.405	16.706	62.9860	62.98600	72.09104	72.09104	80.37961
Subproducto	3.63	1.720	6.4848	6.48475	7.42217	7.42217	8.27552
MTBE	7.649	1.350	5.0898	0.90337	1.03396	0.01457	0.01624
		26.524	100	87.37008	100	89.68822	100
				Conversion	98.0405		
				Rendimiento	96.9597		
				Selectividad	80.3927		

Cuarta reacción a 200° C

Componente	Retencion	Area	% Area	% A corregido	% Peso	% A corregido	% mol
Agua	0.785	0.600	3.1683	3.16832	3.65891	3.65891	4.10947
Metanol	1.067	4.455	23.5248	14.65531	16.92459	7.07570	7.94701
Isobutileno	1.535	11.138	58.8119	58.81188	67.91853	67.91853	76.28211
Subproducto	3.885	1.700	8.9769	8.97690	10.36691	10.36691	11.64351
MTBE	8.311	1.045	5.5182	0.97940	1.13105	0.01594	0.01790
		18.938	100	86.59180	100	89.03600	100
				Conversion	97.8408		
				Rendimiento	92.017015		
				Selectividad	76.2958		