TABLE 31.—*Results of cracking xylene under various conditions of temperature and pressure.*

Temperature, °C	650	650	650	650	725	725	725	725	800	800	800	800
Pressure, atmospheres	(a)	1	12	18	(a)	1	12	18	(a)	1	12	18
Oil used, c. c.	500	500	600	600	500	500	600	600	500	590	600	425
Oil recovered, per cent	95.0	69.0	66.0	64.3	72.0	60.0	54.2	46.6	66.0	27.1	31.7	11.5
Specific gravity of recovered oil	0.879	0.905	0.914	0.899	0.888	0.906	0.911	0.900	0.912	0.923	0.904	0.945
Carbon produced, per cent	0.9	1.5	.....	4.4	6.0	.....	13.6	25.8	.5	25.0	39.5	38.4

RESULTS OF DISTILLATION.

First drop at (°C.)	77		80		60		.....		68		82		65		98		87		77		68		.....	
Temperature.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.	Per cent.	Specific gravity.
°C.																								
0 to 100	0.3	.....	4.1	0.868	3.8	0.855	0.6	.....	0.0	.....	2.0	.....	3.2	0.857	0.0	.....	0.7	.....	8.3	0.878	9.1	0.868	5.4	0.875
100 to 125	2.6	.....	15.4	.870	18.7	.867	9.2	0.858	9.2	0.861	34.5	0.862	15.2	.869	12.6	0.872	18.5	0.874	7.2	.874	8.6	.867	.8	.875
125 to 150	80.0	0.868	37.7	.870	31.7	.868	45.0	.856	52.5	.862	40.0	.877	27.0	.862	26.0	.869	35.6	.872	4.5	.874	7.9	.864	1.1	.875
150 to 200	1.9	.....	2.2	.911	.7	.....	.6	.....	2.4	.....	6.0	.899	.0	.....	1.6	.....	2.3	.....	.9	.....	.....	.....	1.5	.875
Above 200:																								
Naphthalene [b]	—	.....	—	.....	—	.....	+	.....	—	.....	+	.....	—	.....	+	.....	—	.....	—	.....	—	.....	—	.....
Anthracene [b]	—	.....	—	.....	—	.....	—	.....	—	.....	+	.....	—	.....	—	.....	+	.....	—	.....	—	.....	—	.....

a Vacuum.

b Presence (or absence) shown by plus (or minus) sign.