DENSITY AND SPECIFIC VOLUME OF MERCURY

The data in this table have been adjusted to the ITS–90 temperature scale. The uncertainty in density values is 0.0003 g/mL between –20 and –10°C; 0.0001 or less between –10 and 200°C; and 0.0002 between 200 and 300°C.

Reference

Ambrose, D., *Metrologia*, 27, 245, 1990.

t/°C	ρ/(g/mL)	*v*/(mL/kg)	*t*/°C	ρ/(g/mL)	*v*/(mL/kg)	*t*/°C	ρ/(g/mL)	*v*/(mL/kg)
–20	13.64461	73.2890	30	13.52134	73.9572	80	13.39971	74.6285
–19	13.64212	73.3024	31	13.51889	73.9705	81	13.39729	74.6420
–18	13.63964	73.3157	32	13.51645	73.9839	82	13.39487	74.6554
–17	13.63716	73.3291	33	13.51400	73.9973	83	13.39245	74.6689
–16	13.63468	73.3424	34	13.51156	74.0107	84	13.39003	74.6824
–15	13.63220	73.3558	35	13.50911	74.0241	85	13.38762	74.6959
–14	13.62972	73.3691	36	13.50667	74.0375	86	13.38520	74.7094
–13	13.62724	73.3824	37	13.50422	74.0509	87	13.38278	74.7229
–12	13.62476	73.3958	38	13.50178	74.0643	88	13.38037	74.7364
–11	13.62228	73.4091	39	13.49934	74.0777	89	13.37795	74.7498
–10	13.61981	73.4225	40	13.49690	74.0911	90	13.37554	74.7633
–9	13.61733	73.4358	41	13.49446	74.1045	91	13.37313	74.7768
–8	13.61485	73.4492	42	13.49202	74.1179	92	13.37071	74.7903
–7	13.61238	73.4625	43	13.48958	74.1313	93	13.36830	74.8038
–6	13.60991	73.4759	44	13.48714	74.1447	94	13.36589	74.8173
–5	13.60743	73.4892	45	13.48470	74.1581	95	13.36347	74.8308
–4	13.60496	73.5026	46	13.48226	74.1715	96	13.36106	74.8443
–3	13.60249	73.5160	47	13.47982	74.1850	97	13.35865	74.8579
–2	13.60002	73.5293	48	13.47739	74.1984	98	13.35624	74.8714
–1	13.59755	73.5427	49	13.47495	74.2118	99	13.35383	74.8849
0	13.59508	73.5560	50	13.47251	74.2252	100	13.35142	74.8984
1	13.59261	73.5694	51	13.47008	74.2386	110	13.3273	75.0337
2	13.59014	73.5827	52	13.46765	74.2520	120	13.3033	75.1693
3	13.58768	73.5961	53	13.46521	74.2655	130	13.2793	75.3052
4	13.58521	73.6095	54	13.46278	74.2789	140	13.2553	75.4413
5	13.58275	73.6228	55	13.46035	74.2923	150	13.2314	75.5778
6	13.58028	73.6362	56	13.45791	74.3057	160	13.2075	75.7147
7	13.57782	73.6495	57	13.45548	74.3192	170	13.1836	75.8519
8	13.57535	73.6629	58	13.45305	74.3326	180	13.1597	75.9895
9	13.57289	73.6763	59	13.45062	74.3460	190	13.1359	76.1274
10	13.57043	73.6896	60	13.44819	74.3594	200	13.1120	76.2659
11	13.56797	73.7030	61	13.44576	74.3729	210	13.0882	76.4047
12	13.56551	73.7164	62	13.44333	74.3863	220	13.0644	76.5440
13	13.56305	73.7297	63	13.44090	74.3998	230	13.0406	76.6838
14	13.56059	73.7431	64	13.43848	74.4132	240	13.0167	76.8241
15	13.55813	73.7565	65	13.43605	74.4266	250	12.9929	76.9650
16	13.55567	73.7698	66	13.43362	74.4401	260	12.9691	77.1064
17	13.55322	73.7832	67	13.43120	74.4535	270	12.9453	77.2484
18	13.55076	73.7966	68	13.42877	74.4670	280	12.9214	77.3909
19	13.54831	73.8100	69	13.42635	74.4804	290	12.8975	77.5341
20	13.54585	73.8233	70	13.42392	74.4939	300	12.8736	77.6779
21	13.54340	73.8367	71	13.42150	74.5073			
22	13.54094	73.8501	72	13.41908	74.5208			
23	13.53849	73.8635	73	13.41665	74.5342			
24	13.53604	73.8769	74	13.41423	74.5477			
25	13.53359	73.8902	75	13.41181	74.5612			
26	13.53114	73.9036	76	13.40939	74.5746			
27	13.52869	73.9170	77	13.40697	74.5881			
28	13.52624	73.9304	78	13.40455	74.6016			
29	13.52379	73.9438	79	13.40213	74.6150			