

2.2 Hydrocarbons, C₈ to C₉

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
230	C₈H₈		Cyclooctatetraene				629-20-9
l-g	5.92879	1366.420	−66.972	273/390	370/390 B	344.20/10	79-sevsol, 49-scogro
231	C₈H₈		1,3,5-Octatrien-7-yne				20023-57-8
l-g	10.87863	6128.229	273.190	313/429	313/360 B, 360/430 C	347.16/10	31-niecal
232	C₈H₈		Pentacyclo-[4.2.0.0(2,5).0(3,8)-.0,(4,7)]octane, (Cubane)				277-10-1
cr-g	13.12	4190	0.000	239/262	239/262 C	259.93/0.001	66-kybcar Note 2
233	C₈H₈		Styrene				100-42-5
l-g	6.33183	1597.003	−49.030	285/418	285/311 C, 311/420 B	418.18/101.325	55-dremar, 46-pitgut
l-g	2.55360	337.217	−172.253	246/281	245/286 D	267.15/0.1	52-byw
234	C₈H₁₀		1,2-Dimethylbenzene				95-47-6
cr-g	13.787	3790.78	0	210/243	296/248 A	417.58/101.325	95-trchc
l-g	7.5862	2277.61	0	250/307	248/301 A		95-trchc
l-g	6.09789	1458.706	−60.109	313/445	301/445 A		95-trchc
l-g	6.09789 (2.3586)	1458.706 (75.45)	−61.109 (−880.27)	448/630	445/630.3 A		95-trchc
235	C₈H₁₀		1,3-Dimethylbenzene				108-38-3
l-g	6.03914	1425.44	−60.15	227/303	220/303 B	412.27/101.325	95-trchc
l-g	6.14051	1468.703	−57.03	309/440	303/443 A		95-trchc
l-g	6.14051 (2.54362)	1468.703 (110.36)	−57.03 (−3351.5)	443/617	443/617 B		95-trchc
236	C₈H₁₀		1,4-Dimethylbenzene				106-42-3
l-g	5.89777	1369.27	−63.15	295/302	287/302 B	411.51/101.325	95-trchc
l-g	6.10494	1446.832	−58.523	308/439	302/439 A		95-trchc
l-g	6.10494 (2.50254)	1446.832 (228.65)	−58.523 (−12480)	443/616	439/616.2 B		95-trchc
237	C₈H₁₀		Ethylbenzene				100-41-4
l-g	5.6643	1250.06	−73.31	199/300	188/301 B	409.35/101.325	95-trchc
l-g	6.06861	1415.772	−60.852	306/420	301/425 A		95-trchc
l-g	6.06861 (2.52704)	1415.77 (91.478)	−60.85 (−1606.1)	433/617	425/617.1 B		95-trchc
238	C₈H₁₂		1,5-Cyclooctadiene				111-78-4
l-g	5.41613	1098.701	−104.467	324/386	323/345 D, 345/386 C	371.46/20	73-fae, 90-karkar
239	C₈H₁₂		trans-1,2-Divinylcyclobutane				6553-48-6
l-g	7.3369	2040	0.000	353/386	350/386 C	382.24/100	73-raugey

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	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
240 l-g	C₈H₁₂ 6.46379	1639.302	Tricyclo[3.3.0.0(2,6)]octane −31.368	273/343	273/304 C, 304/345 B	331.40/10	250-21-5 88-letsew
241 l-g	C₈H₁₂ 6.01996	1384.636	4-Vinyl-1-Cyclohexene −57.254	329/396	329/397 A, 397/405 B	402.18/101.325	100-40-3 74-varдру
242 cr-g	C₈H₁₄ 7.753	2416.4	Bicyclo[2.2.2]octane 0.000	323/363	320/370 C	311.67/1	280-33-1 71-boysan Note 2
243 l-g	C₈H₁₄ 6.47591	1633.342	<i>cis</i> - Bicyclo[3.3.0]octane −41.575	298/318	295/320 B	306.09/2	1755-05-1 70-chamcn Note 4
244 l-g	C₈H₁₄ 6.76262	1813.130	<i>trans</i> - Bicyclo[3.3.0]octane −26.095	298/320	295/323 B	294.21/1	5597-89-7 70-chamcn Note 4
245 l-g	C₈H₁₄ 6.36233	1619.574	<i>cis</i> - Bicyclo[4.2.0]octane −39.893	298/347	295/350 B	341.92/10	28282-35-1 70-chamcn Note 4
246 l-g	C₈H₁₄ 7.664	2277.9	<i>cis</i> - Bicyclo[5.1.0]octane 0.000	297/332	295/335 C	327.05/5	16526-90-2 70-chamcn Note 2
247 l-g	C₈H₁₄ 7.02513	1988.214	<i>cis</i> - Cyclooctene −15.138	273/333	273/333 C	310.82/2	931-88-4 41-lis
248 l-g	C₈H₁₄ 4.55211	579.233	2,5-Dimethyl-1,5-hexadiene −161.159	330/388	330/390 C	388.63/101.325	627-58-7 73-felsav
249 l-g	C₈H₁₄ 6.960	1840	3,3-Dimethyl-1,5-hexadiene 0.000	293/371	293/372 C	371.40/101.325	24253-25-6 69-fresol Note 2
250 l-g	C₈H₁₄ 6.01128	1380.934	1-Ethylcyclohexene −65.372	332/411	325/420 A	410.13/101.325	1453-24-3 60-camros, 86-eisely
251 l-g	C₈H₁₄ 5.98826	1356.452	1-Methylbicyclo[4.1.0]-heptane −58.167	341/393	340/400 A	398.77/101.325	2439-79-4 74-varдру-3
252 l-g	C₈H₁₄ 5.82773	1208.607	1,7-Octadiene −74.562	309/420	305/420 B	390.78/101.325	3710-30-3 88-bobmel, 91-jermel, 88-jermis
253 l-g	C₈H₁₄ 6.19434	1426.77	1-Octyne −58.73	301/425	291/435 B	399.35/101.325	629-05-0 88-trchc
254 l-g	C₈H₁₄ 6.22447	1482.4	2-Octyne −59.97	310/438	300/448 B	410.88/101.325	2809-67-8 88-trchc

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	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
255	C₈H₁₄		3-Octyne				15232-76-5
l-g	6.25854	1477.09	−59.03	307/432	297/442 B	406.29/101.325	88-trchc
256	C₈H₁₄		4-Octyne				1942-45-6
l-g	6.26043	1473.31	−58.68	345.6/405	335/415 B		88-trcsp
257	C₈H₁₄		1-Propylcyclopentene				3074-61-1
l-g	5.99650	1344.713	−67.347	344/405	320/410 B	404.30/101.325	86-eisely, 88-elyvin
258	C₈H₁₄		3-Propylcyclopentene				34067-75-9
l-g	6.04498	1377.069	−58.176	339/399	300/410 B	399.10/101.325	86-eisely, 88-elyvin
259	C₈H₁₆		Cyclooctane				292-64-8
l-g	5.98576	1437.722	−63.051	358/413	344/424 A	424.29/101.325	91-trchc/ wuloc
l-g	5.98125	1434.67	−63.438	316/448	424/444 B		75-trchc/ wuloc
l-g	5.98125	1434.67	−63.438	448/647	444/647.2 B		75-trchc/ wuloc
	(2.306)	(325.5)	(−31112)				
260	C₈H₁₆		(1-Methylethyl)cyclo-pentane				3875-51-2
l-g	6.01112	1379.42	−55.181	297/427	287/437 B	399.57/101.325	52-trchc
261	C₈H₁₆		1,1-Dimethylcyclohexane				590-66-9
l-g	5.9183	1319.81	−55.42	290/420	280/430 B	392.74/101.325	90-trchc
262	C₈H₁₆		cis-1,2-Dimethylcyclohexane				2207-01-4
l-g	5.9665	1369.97	−57.01	299/431	289/441 B	402.89/101.325	90-trchc
263	C₈H₁₆		trans-1,2-Dimethylcyclohexane				6876-23-9
l-g	5.952	1350.32	−54.41	293/424	283/434 B	396.58/101.325	90-trchc
264	C₈H₁₆		cis-1,3-Dimethylcyclohexane				638-04-0
l-g	6.208	1479.22	−44.68	295/423	285/433 B	396.68/101.325	90-trchc
265	C₈H₁₆		trans-1,3-Dimethylcyclohexane				2207-03-6
l-g	5.4487	1063.73	−85.56	292/423	282/433 B	394.51/101.325	90-trchc
266	C₈H₁₆		cis-1,4-Dimethylcyclohexane				624-29-3
l-g	5.9597	1346.9	−56.84	295/425	285/435 B	397.48/101.325	90-trchc
267	C₈H₁₆		trans-1,4-Dimethylcyclohexane				2207-04-7
l-g	5.9448	1331.82	−54.41	290/420	280/430 B	392.51/101.325	90-trchc
268	C₈H₁₆		(E)-2,2-Dimethyl-3-hexene				690-93-7
l-g	5.96373	1240.68	−60.582	280/399	265/415 A	374/101.325	60-trchc
269	C₈H₁₆		(Z)-2,2-Dimethyl-3-hexene				690-92-6
l-g	5.90261	1241.74	−59.942	281/405	271/415 B	378.58/101.325	60-trchc
270	C₈H₁₆		2,3-Dimethyl-1-hexene				16746-86-4
l-g	6.03612	1311.9	−58.15	287/409	277/419 B	383.65/101.325	60-trchc

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	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
271	C₈H₁₆		2,3-Dimethyl-2-hexene				7145-20-2
l-g	6.0161	1350.7	-58.15	294/422	286/432 C	394.92/101.325	60-trchc
272	C₈H₁₆		(<i>E</i>)-2,3-Dimethyl-3-hexene				66225-30-7
l-g	6.02851	1323.5	-58.15	289/413	279/423 B	387.15/101.325	60-trchc
273	C₈H₁₆		(<i>Z</i>)-2,3-Dimethyl-3-hexene				59643-75-3
l-g	6.02851	1323.5	-58.15	289/413	279/423 B	387.15/101.325	60-trchc
274	C₈H₁₆		2,4-Dimethyl-1-hexene				16746-87-5
l-g	6.03575	1314.6	-58.15	287/410	277/420 B	384.35/101.325	60-trchc
275	C₈H₁₆		2,4-Dimethyl-2-hexene				14255-23-3
l-g	6.03704	1312.6	-58.15	287/409	277/419 B	383.75/101.325	60-trchc
276	C₈H₁₆		(<i>E</i>)-2,4-Dimethyl-3-hexene				61847-78-7
l-g	6.0426	1302.1	-58.15	285/406	275/416 B	380.75/101.325	60-trchc
277	C₈H₁₆		(<i>Z</i>)-2,4-Dimethyl-3-hexene				37549-89-6
l-g	6.03997	1307.1	-58.15	286/408	276/418 B	382.15/101.325	60-trchc
278	C₈H₁₆		2,5-Dimethyl-1-hexene				6975-92-4
l-g	6.0351	1316	-58.15	288/410	280/420 C	384.75/101.325	60-trchc
279	C₈H₁₆		2,5-Dimethyl-2-hexene				3404-78-2
l-g	6.03129	1322	-58.15	289/412	281/420 C	385.35/101.325	60-trchc
280	C₈H₁₆		(<i>E</i>)-2,5-Dimethyl-3-hexene				692-70-6
l-g	6.05283	1283.3	-58.15	281/400	273/408 C	375.15/101.325	60-trchc
281	C₈H₁₆		(<i>Z</i>)-2,5-Dimethyl-3-hexene				10557-44-5
l-g	6.05986	1271.3	-58.15	285/396	283.2/406 B	375.15/101.325	60-trchc
282	C₈H₁₆		3,3-Dimethyl-1-hexene				3404-77-1
l-g	6.0474	1289.3	-58.15	282/402	272/412 B	377.15/101.325	60-trchc
283	C₈H₁₆		3,4-Dimethyl-1-hexene				16745-94-1
l-g	6.03232	1316.7	-58.15	288/411	278/421 B	385.15/101.325	60-trchc
284	C₈H₁₆		(<i>E</i>)-3,4-Dimethyl-2-hexene				19550-82-4
l-g	6.02505	1330.4	-58.15	290/415	280/425 B	389.15/101.325	60-trchc
285	C₈H₁₆		(<i>Z</i>)-3,4-Dimethyl-2-hexene				19550-81-3
l-g	6.02505	1330.4	-58.15	290/415	280/425 B	389.15/101.325	60-trchc
286	C₈H₁₆		(<i>E</i>)-3,4-Dimethyl-3-hexene				19550-88-0
l-g	6.01432	1350.9	-58.15	294/422	284/432 B	395.15/101.325	60-trchc
287	C₈H₁₆		(<i>Z</i>)-3,4-Dimethyl-3-hexene				19550-87-9
l-g	6.01432	1350.9	-58.15	294/422	284/432 B	395.15/101.325	60-trchc
288	C₈H₁₆		3,5-Dimethyl-1-hexene				7423-69-0
l-g	6.0474	1289.3	-58.15	282/402	272/412 B	377.15/101.325	60-trchc
289	C₈H₁₆		(<i>E</i>)-3,5-Dimethyl-2-hexene				66225-12-5
l-g	6.03232	1316.7	-58.15	288/411	278/421 B	385.15/101.325	60-trchc

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	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
290	C₈H₁₆		(Z)-3,5-Dimethyl-2-hexene				66225-31-8
l-g	6.03232	1316.7	-58.15	288/411	278/421 B	385.15/101.325	60-trchc
291	C₈H₁₆		4,4-Dimethyl-1-hexene				1647-08-1
l-g	6.04357	1301	-58.15	285/406	275/416 B	380.35/101.325	60-trchc
292	C₈H₁₆		(E)-4,4-Dimethyl-2-hexene				19550-83-5
l-g	6.04372	1296.2	-58.15	284/404	274/414 B	379.15/101.325	60-trchc
293	C₈H₁₆		(Z)-4,4-Dimethyl-2-hexene				66225-13-6
l-g	6.04372	1296.2	-58.15	284/404	274/414 B	379.15/101.325	60-trchc
294	C₈H₁₆		4,5-Dimethyl-1-hexene				16106-59-5
l-g	6.03781	1306.4	-58.15	286/408	276/418 B	382.15/101.325	60-trchc
295	C₈H₁₆		(E)-4,5-Dimethyl-2-hexene				66225-14-7
l-g	6.03617	1309.9	-58.15	286/409	276/419 B	383.15/101.325	60-trchc
296	C₈H₁₆		(Z)-4,5-Dimethyl-2-hexene				65036-71-7
l-g	6.03617	1309.9	-58.15	286/409	280/417 C	383.15/101.325	60-trchc
297	C₈H₁₆		5,5-Dimethyl-1-hexene				7116-86-1
l-g	6.05169	1284.6	-58.15	281/400	273/410 C	375.65/101.325	60-trchc
298	C₈H₁₆		(E)-5,5-Dimethyl-2-hexene				39782-43-9
l-g	6.04833	1290	-58.15	282/402	275/410 C	377.25/101.325	60-trchc
299	C₈H₁₆		(Z)-5,5-Dimethyl-2-hexene				39761-61-0
l-g	6.04299	1299.6	-58.15	284/405	274/415 B	380.05/101.325	60-trchc
300	C₈H₁₆		Ethylcyclohexane				1678-91-7
l-g	5.9702	1369.41	-59.55	301/433	288/446 A	404.97/101.325	92-trchc
301	C₈H₁₆		2-Ethyl-3,3-dimethyl-1-butene				18231-53-3
l-g	6.03617	1309.9	-58.15	286/409	280/416 C	383.15/101.325	60-trchc
302	C₈H₁₆		2-Ethyl-1-hexene				1632-16-2
l-g	6.01795	1344.1	-58.15	293/420	283/430 B	393.15/101.325	60-trchc
303	C₈H₁₆		3-Ethyl-1-hexene				3404-58-8
l-g	6.03645	1311.2	-58.15	287/409	283.2/419 B	383.45/101.325	60-trchc
304	C₈H₁₆		(E)-3-Ethyl-2-hexene				66225-15-8
l-g	6.01613	1347.5	-58.15	294/421	284/431 B	394.15/101.325	60-trchc
305	C₈H₁₆		(Z)-3-Ethyl-2-hexene				36880-72-5
l-g	6.01613	1347.5	-58.15	294/421	284/431 B	394.15/101.325	60-trchc
306	C₈H₁₆		3-Ethyl-3-hexene				16789-51-8
l-g	6.02505	1330.4	-58.15	290/415	285/423 C	389.15/101.325	60-trchc
307	C₈H₁₆		4-Ethyl-1-hexene				16746-85-3
l-g	6.03041	1320.1	-58.15	288/412	278/422 B	386.15/101.325	60-trchc
308	C₈H₁₆		(E)-4-Ethyl-2-hexene				19781-63-6
l-g	6.03041	1320.1	-58.15	288/412	278/422 B	386.15/101.325	60-trchc

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309	C₈H₁₆		(<i>Z</i>)-4-Ethyl-2-hexene				54616-49-8
l-g	6.03041	1320.1	−58.15	288/412	280/420 C	386.15/101.325	60-trchc
310	C₈H₁₆		1-Ethyl-1-methylcyclopentane				16747-50-5
l-g	5.99638	1355.29	−55.058	293/422	283/432 B	394.67/101.325	52-trchc
311	C₈H₁₆		<i>cis</i>-1-Ethyl-2-methylcyclopentane				930-89-2
l-g	6.03051	1388.31	−56.262	298/428	283/443 A	401.2/101.325	52-trchc
312	C₈H₁₆		<i>trans</i>-1-Ethyl-2-methylcyclopentane				930-90-5
l-g	6.0093	1356	−55.65	293/421	285/430 C	394.35/101.325	52-trchc
313	C₈H₁₆		<i>cis</i>-1-Ethyl-3-methylcyclopentane				2613-66-3
l-g	6.0087	1355	−56.05	293/421	285/429 C	394.25/101.325	52-trchc
314	C₈H₁₆		<i>trans</i>-1-Ethyl-3-methylcyclopentane				2613-65-2
l-g	5.9992	1351	−55.65	293/421	285/429 C	394.25/101.325	52-trchc
315	C₈H₁₆		2-Ethyl-2-methyl-2-pentene				19780-67-7
l-g	6.02036	1342.7	−58.15	293/419	283/429 B	390.15/101.325	60-trchc
316	C₈H₁₆		2-Ethyl-3-methyl-1-pentene				3404-67-9
l-g	6.03258	1318.8	−58.15	288/411	283.2/421 B	385.65/101.325	60-trchc
317	C₈H₁₆		2-Ethyl-4-methyl-1-pentene				3404-80-6
l-g	6.03707	1311.4	−58.15	287/409	277/419 B	383.45/101.325	60-trchc
318	C₈H₁₆		3-Ethyl-2-methyl-1-pentene				19780-66-6
l-g	5.98942	1302.08	−55.555	284/408	274/418 B	383.15/101.325	60-trchc
319	C₈H₁₆		3-Ethyl-3-methyl-1-pentene				6196-60-7
l-g	6.03232	1316.7	−58.15	288/411	278/421 B	385.15/101.325	60-trchc
320	C₈H₁₆		3-Ethyl-4-methyl-1-pentene				61847-80-1
l-g	6.0423	1301.8	−58.15	285/406	275/416 B	380.65/101.325	60-trchc
321	C₈H₁₆		(<i>E</i>)-3-Ethyl-4-methyl-2-pentene				42067-49-2
l-g	6.0297	1325.1	−58.15	289/413	284/420 C	387.45/101.325	60-trchc
322	C₈H₁₆		(<i>Z</i>)-3-Ethyl-4-methyl-2-pentene				42067-48-1
l-g	6.02505	1330.4	−58.15	290/415	284/423 C	389.15/101.325	60-trchc
323	C₈H₁₆		3-Methyl-2-(1-methylethyl)-1-butene				111823-35-9
l-g	6.0474	1289.3	−58.15	282/402	272/412 B	377.15/101.325	60-trchc
324	C₈H₁₆		2-Methyl-1-heptene				15870-10-7
l-g	6.02073	1341.9	−58.15	293/419	285/426 C	392.37/101.325	60-trchc
325	C₈H₁₆		2-Methyl-2-heptene				627-97-4
l-g	6.52382	1610.601	−39.377	257/396	250/400 C	395.85/101.325	47-stu
326	C₈H₁₆		(<i>E</i>)-2-Methyl-3-heptene				692-96-6
l-g	6.03282	1319.2	−58.15	288/412	283/420 C	385.15/101.325	60-trchc
327	C₈H₁₆		(<i>Z</i>)-2-Methyl-3-heptene				20488-34-0
l-g	6.03232	1316.7	−58.15	288/411	282/419 C	385.15/101.325	60-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
328	C₈H₁₆		3-Methyl-1-heptene				4810-09-7
l-g	6.03424	1313.3	−58.15	287/410	277/420 B	384.15/101.325	60-trchc
329	C₈H₁₆		(<i>E</i>)-3-Methyl-2-heptene				22768-20-3
l-g	6.01432	1350.9	−58.15	294/422	288/430 C	395.15/101.325	60-trchc
330	C₈H₁₆		(<i>Z</i>)-3-Methyl-2-heptene				22768-19-0
l-g	6.01432	1350.9	−58.15	294/422	288/430 C	395.15/101.325	60-trchc
331	C₈H₁₆		(<i>E</i>)-3-Methyl-3-heptene				22768-18-9
l-g	6.01613	1347.5	−58.15	294/421	289/439 C	394.15/101.325	60-trchc
332	C₈H₁₆		(<i>Z</i>)-3-Methyl-3-heptene				22768-17-8
l-g	6.01613	1347.5	−58.15	294/421	289/429 C	394.15/101.325	60-trchc
333	C₈H₁₆		4-Methyl-1-heptene				13151-05-8
l-g	6.03286	1320.1	−58.15	288/412	284/420 C	385.95/101.325	60-trchc
334	C₈H₁₆		(<i>E</i>)-4-Methyl-2-heptene				66225-17-0
l-g	6.02851	1323.5	−58.15	289/413	279/423 B	387.15/101.325	60-trchc
335	C₈H₁₆		(<i>Z</i>)-4-Methyl-2-heptene				66225-16-9
l-g	6.02851	1323.5	−58.15	289/413	279/423 B	387.15/101.325	60-trchc
336	C₈H₁₆		(<i>E</i>)-4-Methyl-3-heptene				13714-85-7
l-g	6.01432	1350.9	−58.15	294/422	286/430 C	395.15/101.325	60-trchc
337	C₈H₁₆		(<i>Z</i>)-4-Methyl-3-heptene				14255-24-4
l-g	6.01432	1350.9	−58.15	294/422	288/430 C	395.15/101.325	60-trchc
338	C₈H₁₆		5-Methyl-1-heptene				13151-04-7
l-g	6.03099	1321.5	−58.15	289/412	284/420 C	386.45/101.325	60-trchc
339	C₈H₁₆		(<i>E</i>)-5-Methyl-2-heptene				24608-85-3
l-g	6.02133	1337.2	−58.15	292/417	286/425 C	391.15/101.325	60-trchc
340	C₈H₁₆		(<i>Z</i>)-5-Methyl-2-heptene				24608-84-2
l-g	6.02133	1337.2	−58.15	292/417	286/425 C	391.15/101.325	60-trchc
341	C₈H₁₆		(<i>E</i>)-5-Methyl-3-heptene				53510-18-2
l-g	6.03232	1316.7	−58.15	288/411	276/419 C	385.15/101.325	60-trchc
342	C₈H₁₆		(<i>Z</i>)-5-Methyl-3-heptene				50422-80-5
l-g	6.03232	1316.7	−58.15	288/411	280/419 C	385.15/101.325	60-trchc
343	C₈H₁₆		6-Methyl-1-heptene				5026-76-6
l-g	6.031	1321.1	−58.15	289/412	281/422 C	386.35/101.325	60-trchc
344	C₈H₁₆		(<i>E</i>)-6-Methyl-2-heptene				51065-65-7
l-g	6.02318	1333.8	−58.15	291/416	285/424 C	390.15/101.325	60-trchc
345	C₈H₁₆		(<i>Z</i>)-6-Methyl-2-heptene				66225-18-1
l-g	6.02318	1333.8	−58.15	291/416	281/426 B	390.15/101.325	60-trchc
346	C₈H₁₆		(<i>E</i>)-6-Methyl-3-heptene				66225-20-5
l-g	6.03027	1324	−58.15	289/413	284/420 C	388.15/101.325	60-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
347	C₈H₁₆		(<i>Z</i>)-6-Methyl-3-heptene				66225-19-2
l-g	6.02692	1327	−58.15	290/414	284/422 C	388.15/101.325	60-trchc
348	C₈H₁₆		1-Octene				111-66-0
l-g	6.76648	1678.63	−35.56	187/291	171.5/291 B	394.44/101.325	86-trchc
l-g	6.05985	1355.46	−60.1	291/418	291/408 A		86-trchc
l-g	6.05985 (2.6896)	1355.46 (512.5)	−60.1 (−40092)	418/573	408/566.6 B		86-trchc
349	C₈H₁₆		<i>cis</i>-2-Octene				7642-04-8
l-g	6.01809	1335.557	−65.909	356/400	310/400 B	398.77/101.325	86-eisely, 74-micelw
350	C₈H₁₆		<i>trans</i>-2-Octene				13389-42-9
l-g	6.03171	1336.491	−66.112	356/400	310/400 B	398.08/101.325	86-eisely, 74-micelw
351	C₈H₁₆		<i>cis</i>-3-Octene				14850-22-7
l-g	6.0137	1354.3	−58.15	295/423	287/430 C	396.05/101.325	60-trchc
352	C₈H₁₆		<i>trans</i>-3-Octene				14919-01-8
l-g	6.05228	1349.655	−62.869	355/396	305/400 B	396.40/101.325	86-eisely, 74-micelw
353	C₈H₁₆		<i>cis</i>-4-Octene				7642-15-1
l-g	6.04737	1354.001	−60.651	353/395	305/400 B	395.66/101.325	86-eisely, 74-micelw
354	C₈H₁₆		<i>trans</i>-4-Octene				14850-23-8
l-g	6.09581	1376.120	−58.960	353/396	305/400 B	395.41/101.325	86-eisely, 74-micelw
355	C₈H₁₆		2-(1-Methylethyl)-1-pentene				61847-79-8
l-g	6.03509	1316.4	−58.15	288/411	278/411 B	386.15/101.325	60-trchc
356	C₈H₁₆		Propylcyclopentane				2040-96-2
l-g	6.02882	1384.39	−59.991	302/431	288/445 A	404.1/101.325	54-trchc
357	C₈H₁₆		2-Propyl-1-pentene				15918-08-8
l-g	6.02284	1336.5	−58.15	292/417	286/425 C	390.85/101.325	60-trchc
358	C₈H₁₆		1,1,2-Trimethylcyclo-pentane				4259-00-1
l-g	5.94695	1309.62	−54.593	286/414	276/424 B	386.88/101.325	52-trchc
359	C₈H₁₆		1,1,3-Trimethylcyclo-pentane				4516-69-2
l-g	5.93437	1276	−53.251	280/404	272/414 C	378.04/101.325	52-trchc
360	C₈H₁₆		<i>r</i>-1, <i>c</i>-2, <i>c</i>-3-Trimethylcyclo-pentane				2613-69-6
l-g	5.9734	1349	−56.15	294/423	286/431 C	396.15/101.325	52-trchc
361	C₈H₁₆		<i>r</i>-1, <i>c</i>-2, <i>t</i>-3-Trimethylcyclo-pentane				15890-40-1
l-g	5.9729	1331	−55.15	290/417	285/424 C	390.65/101.325	52-trchc
362	C₈H₁₆		<i>r</i>-1, <i>t</i>-2, <i>c</i>-3-Trimethylcyclo-pentane				19374-46-0
l-g	5.9517	1301	−53.65	284/410	278/416 C	383.35/101.325	52-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
363	C₈H₁₆		<i>r</i>-1, <i>c</i>-2, <i>c</i>-4-Trimethylcyclo-pentane				2613-72-1
l-g	5.967	1335	−54.15	290/418	282/426 C	390.15/101.325	52-trchc
364	C₈H₁₆		<i>r</i>-1, <i>c</i>-2, <i>t</i>-4-Trimethylcyclo-pentane				4850-28-6
l-g	5.97938	1333.89	−54.198	289/417	279/427 B	389.88/101.325	52-trchc
365	C₈H₁₆		<i>r</i>-1, <i>t</i>-2, <i>c</i>-4-Trimethylcyclo-pentane				16883-48-0
l-g	5.9746	1306.15	−53.342	283/409	273/419 B	382.44/101.325	52-trchc
366	C₈H₁₆		2,3,3-Trimethyl-1-pentene				560-23-6
l-g	6.04085	1304.6	−58.15	285/407	275/417 C	381.46/101.325	60-trchc
367	C₈H₁₆		2,3,4-Trimethyl-1-pentene				565-76-4
l-g	6.03977	1303	−58.15	285/408	275/418 B	381.15/101.325	60-trchc
368	C₈H₁₆		2,3,4-Trimethyl-2-pentene				565-77-5
l-g	6.02612	1331.8	−58.15	291/416	281/426 B	389.41/101.325	60-trchc
369	C₈H₁₆		2,4,4-Trimethyl-1-pentene				107-39-1
l-g	5.95947	1273.42	−52.535	277/400	267/410 B	374.59/101.325	60-trchc
370	C₈H₁₆		2,4,4-Trimethyl-2-pentene				107-40-4
l-g	5.98412	1272.72	−58.155	282/404	272/414 B	378.06/101.325	60-trchc
371	C₈H₁₆		3,3,4-Trimethyl-1-pentene				560-22-5
l-g	6.04571	1292.8	−58.15	283/403	273/413 B	378.15/101.325	60-trchc
372	C₈H₁₆		3,4,4-Trimethyl-1-pentene				564-03-4
l-g	6.0474	1289.3	−58.15	282/402	272/412 B	377.15/101.325	60-trchc
373	C₈H₁₆		(<i>E</i>)-3,4,4-Trimethyl-2-pentene				39761-57-4
l-g	6.03232	1316.7	−58.15	288/411	278/421 B	385.15/101.325	60-trchc
374	C₈H₁₆		(<i>Z</i>)-3,4,4-Trimethyl-2-pentene				39761-64-3
l-g	6.03396	1317.4	−58.15	288/411	278/421 B	385.15/101.325	60-trchc
375	C₈H₁₈		2,2-Dimethylhexane				590-73-8
l-g	5.95748	1271.18	−58.32	283/398	270/394 A	379.99/101.325	90-trchc
l-g	5.95748 (2.40185)	1271.18 (301.2)	−58.32 (−17401)	398/550	394/549.8 B		90-trchc
376	C₈H₁₈		2,3-Dimethylhexane				584-94-1
l-g	5.99236	1314.29	−59.091	290/408	283.2/400 A	388.76/101.325	90-trchc
l-g	5.99236 (2.33502)	1314.29 (185)	−59.091 (−3318)	408/562	400/563.4 B		90-trchc
377	C₈H₁₈		2,4-Dimethylhexane				589-43-5
l-g	5.97399	1285.85	−58.55	285/398	270/395 A	382.58/101.325	90-trchc
l-g	5.97399 (2.36737)	1285.85 (149.3)	−58.55 (482)	398/553	395/553.5 B		90-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
378	C₈H₁₈		2,5-Dimethylhexane				592-13-2
l-g	5.98112	1285.47	−58.902	285/398	270/394 A	382.26/101.325	90-trchc
l-g	5.98112	1285.47	−58.902	398/550	394/550 B		90-trchc
	(2.31513)	(1714.7)	(−1401)				
379	C₈H₁₈		3,3-Dimethylhexane				563-16-6
l-g	5.97403	1306.96	−55.774	286/408	272/400 A	385.12/101.325	90-trchc
l-g	5.97403	1306.96	−55.774	408/562	400/562 B		90-trchc
	(2.39488)	(144.9)	(−2353)				
380	C₈H₁₈		3,4-Dimethylhexane				583-48-2
l-g	6.0031	1329.4	−58.314	291/400	281/405 A		90-trchc
l-g	6.0031	1329.4	−58.314	408/569	405/568.8 B		90-trchc
	(2.50297)	(320.5)	(−18497)				
381	C₈H₁₈		3-Ethylhexane				619-99-8
l-g	6.01533	1327.93	−60.505	293/408	283/404 A	391.69/101.325	90-trchc
l-g	6.01533	1327.93	−60.505	408/563	404/565.4 B		90-trchc
	(2.39952)	(227.5)	(−2817)				
382	C₈H₁₈		3-Ethyl-2-methylpentane				609-26-7
l-g	5.9861	1317.05	−57.921	289/408	279/401 A	388.81/101.325	90-trchc
l-g	5.9861	1317.05	−57.921	408/567	401/567 B		90-trchc
	(2.38973)	(174.9)	(−4584)				
383	C₈H₁₈		3-Ethyl-3-methylpentane				1067-08-9
l-g	5.9895	1345.92	−53.566	290/408	280/404 A	391.42/101.325	90-trchc
l-g	5.9895	1345.92	−53.566	408/576	404/576.5 B		90-trchc
	(2.43672)	(182.8)	(−7717)				
384	C₈H₁₈		2-Methylheptane				592-27-8
l-g	6.60211	1610.96	−36.78	222/294	210/294 B	390.8/101.325	90-trchc
l-g	6.03877	1335.22	−59.735	294/408	294/403 A		90-trchc
l-g	6.03877	1335.22	−59.735	408/559	403/559.6 B		90-trchc
	(2.47135)	(255.1)	(−7424)				
385	C₈H₁₈		3-Methylheptane				589-81-1
l-g	6.39694	1519.7	−44.07	223/302	213/302 B	392.08/101.325	90-trchc
l-g	6.01533	1326.14	−61.337	302/408	302/405 A		90-trchc
l-g	6.01533	1326.14	−61.337	408/563	405/563.6 B		90-trchc
	(2.43555)	(315.6)	(−15218)				
386	C₈H₁₈		4-Methylheptane				589-53-7
l-g	6.02214	1325.74	−60.783	292/408	278/405 A	390.86/101.325	90-trchc
l-g	6.02214	1325.74	−60.783	408/562	405/561.7 B		90-trchc
	(2.41333)	(240.7)	(−8481)				

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
387	C₈H₁₈		Octane				111-65-9
l-g	6.56398	1606.62	−42.89	217/294	216.4/294 B	398.83/101.325	90-trchc
l-g	6.05075	1356.36	−63.515	298/423	294/407 A		90-trchc
l-g	6.05075	1356.36	−63.515	423/568	407/568.4 B		90-trchc
	(2.86414)	(949.2)	(−73246)				
388	C₈H₁₈		2,2,3,3-Tetramethylbutane				594-82-1
cr-g	6.91839	1632.6	−46.09	252/372	242/374 B	379.44/101.325	90-trchc
l-g	5.9042	1270.1	−53.65	372/406	374/416 B		90-trchc
389	C₈H₁₈		2,2,3-Trimethylpentane				564-02-3
l-g	5.94826	1293.94	−54.795	284/408	270/400 A	382.99/101.325	90-trchc
l-g	5.94826	1293.94	−54.795	408/563	400/563.5 B		90-trchc
	(2.45345)	(162.4)	(−5383)				
390	C₈H₁₈		2,2,4-Trimethylpentane				540-84-1
l-g	6.35751	1447.78	−36.53	190/272	180/272 B	372.39/101.325	90-trchc
l-g	5.93646	1257.85	−52.383	272/398	272/400 A		90-trchc
l-g	5.93646	1257.85	−52.383	398/553	400/543.9 B		90-trchc
	(2.13261)	(134.5)	(12998)				
391	C₈H₁₈		2,3,3-Trimethylpentane				560-21-4
l-g	5.96421	1325.81	−52.989	287/408	277/402 A	387.92/101.325	90-trchc
l-g	5.96421	1325.81	−52.989	408/573	402/573.5 B		90-trchc
	(2.3793)	(76.3)	(1851)				
392	C₈H₁₈		2,3,4-Trimethylpentane				565-75-3
l-g	6.35762	1507.04	−38.35	216/298	205/298 B	386.62/101.325	90-trchc
l-g	5.977	1314.31	−55.669	298/408	298/400 A		90-trchc
l-g	5.977	1314.31	−55.669	408/566	400/566.4 B		90-trchc
	(2.39574)	(169.4)	(−4867)				
393	C₉H₈		Indene, (1H-indene)				95-13-6
l-g	6.34410	1749.215	−52.375	297/457	290/460 B	455.57/101.325	42-bur, 61-stumcd
394	C₉H₁₀		Indan				496-11-7
l-g	6.11230	1577.321	−66.828	375/465	370/470 A	450.92/101.325	81-hossco-1, 78-osbsco
395	C₉H₁₀		Isopropylbenzene				98-83-9
l-g	7.13460	2234.172	−2.336	295/438	290/440 C	437.34/101.325	49-dremar, 83-mutmun, 47-stu
396	C₉H₁₀		2-Methylstyrene				611-15-4
l-g	6.27022	1624.066	−62.128	305/385	300/390 B	370.29/10	53-clewis
397	C₉H₁₀		3-Methylstyrene				100-80-1
l-g	6.36538	1682.941	−56.908	314/442	314/330 C, 330/445 B	442.93/101.325	49-buccol, 53-clewis

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
398	C₉H₁₀		4-Methylstyrene				622-97-9
l-g	6.42882	1734.008	−51.880	341/444	304/340 C, 340/445 B	443.91/101.325	49-buccol, 53-clewis
399	C₉H₁₀		(Z)-1-Phenyl-1-propene				766-90-5
l-g	6.15714	1675.38	−52.4	262/334	252/334 B	452.03/101.325	89-trchc
l-g	6.69715	1998.58	−26.03	334/451	334/461 B		89-trchc
400	C₉H₁₀		trans-1-Phenylpropene				873-66-5
l-g	6.58873	1915.94	−34	291/452	281/462 C	451.41/101.325	79-dykrep
401	C₉H₁₀		trans-Propenylbenzene				873-66-55
l-g	6.66644	1975.102	−28.235	316/453	300/316 C, 316/453 B	452.01/101.325	47-stu
402	C₉H₁₀		2-Propenylbenzene				300-57-2
l-g	6.8153	1937.36	−26.15	323/455	313/465 B	428.95/101.325	89-trchc
403	C₉H₁₂		(1-Methylethyl)benzene				98-82-8
l-g	6.06112	1460.766	−65.32	319/454	309/453 A	425.56/101.325	95-trchc
l-g	6.06112 (2.355)	1460.766 (0)	−65.32 (0)	458/631	453/631.1 B		95-trchc
404	C₉H₁₂		Bicyclo[4.3.0]nona-3,7-diene				3048-65-5
l-g	6.86902	2032.115	−14.118	338/372	335/375 B	360.36/10	73-fae, 76-figvon
405	C₉H₁₂		cis-Bicyclo[4.3.0]nona-3,7-diene				38451-18-2
l-g	5.98009	1457.046	−67.744	356/429	350/430 B	425.13/80	74-varдру
406	C₉H₁₂		5-Ethenylbicyclo[2.2.1]hept-2-ene				3048-64-4
l-g	5.78838	1279.694	−75.877	335/410	335/410 B	405.25/80	76-figvon, 74-varдру
407	C₉H₁₂		cis-5-Ethylidenebicyclo[2.2.1]hept-2-ene				28304-66-7
l-g	6.06932	1450.187	−63.592	345/415	340/420 A	411.67/80	74-varдру
408	C₉H₁₂		trans-5-Ethylidenebicyclo[2.2.1]hept-2-ene				28304-67-8
l-g	6.07465	1456.128	−63.828	347/416	345/420 A	412.89/80	74-varдру
409	C₉H₁₂		mix cis + trans-5-Ethylidenebicyclo[2.2.1]hept-2-ene				16219-75-3
l-g	9.53792	4466.470	174.373	343/392	343/392 C	379.72/30	73-fae
410	C₉H₁₂		1-Ethyl-2-methylbenzene				611-14-3
l-g	5.70361	1542.586	−64.98	350/510	340/520 B	438.33/101.325	95-trchc
411	C₉H₁₂		1-Ethyl-3-methylbenzene				620-14-4
l-g	5.71937	1538.484	−63.54	350/506	340/515 A	434.48/101.325	95-trchc
412	C₉H₁₂		1-Ethyl-4-methylbenzene				622-96-8
l-g	6.10862	1517.577	−65.25	330/464	314/463 A	435.17/101.325	95-trchc
l-g	6.10862 (2.41707)	1517.577 (974.37)	−65.25 (−87835)	468/640	463/640.2 B		95-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
413	C₉H₁₂		Propylbenzene				103-65-1
l-g	6.07664	1491.8	−65.9	324/455	314/461 A	432.39/101.325	95-trchc
l-g	6.07664 (2.1958)	1491.8 (0)	−65.9 (0)	463/638	461/638.3 B		95-trchc
414	C₉H₁₂		1,2,3-Trimethylbenzene				526-73-8
l-g	6.1711	1598.241	−65.53	338/479	328/479 A	449.27/101.325	95-trchc
l-g	6.1711 (2.1129)	1598.24 (0)	−65.53 (0)	485/664	479/664.4 B		95-trchc
415	C₉H₁₂		1,2,4-Trimethylbenzene				95-63-6
l-g	6.17692	1579.353	−63.86	333/471	315/471 A	442.53/101.325	95-trchc
l-g	6.17692 (2.2058)	1579.353 (0)	−63.86 (0)	473/649	471/649.1 B		95-trchc
416	C₉H₁₂		1,3,5-Trimethylbenzene				108-67-8
l-g	6.22541	1581.36	−63.14	330/466	320/466 A	437.89/101.325	95-trchc
l-g	6.22541 (2.0604)	1581.36 (0)	−63.14 (0)	468/637	466/637.2 B		95-trchc
417	C₉H₁₄		2-Methylbicyclo[2.2.2]-oct-2-ene				4893-13-4
l-g	6.06016	1468.821	−61.620	363/402	360/410 A	398.30/50	74-varдру-2
418	C₉H₁₄		2-Vinylbicyclo[2.2.1]-heptane				2146-39-6
l-g	4.75393	823.616	−130.378	350/385	350/385 C	381.72/30	73-fae
419	C₉H₁₆		cis-Bicyclo[6.1.0]nonane				13757-43-2
l-g	8.290	2631.1	0.000	297/391	295/393 C	346.61/5	70-chamcn Note 2
420	C₉H₁₆		1-Butylcyclopentene				2423-01-0
l-g	5.99074	1410.909	−76.065	366/430	330/440 B	430.12/101.325	86-eisely, 79-elvots, 88-kirvin
421	C₉H₁₆		3-Butylcyclopentene				22511-00-8
l-g	6.10287	1487.033	−62.076	360/425	320/440 B	425.02/101.325	86-eisely, 79-elvots
422	C₉H₁₆		1,4-Dimethylbicyclo-[2.2.1]-heptane				20454-81-3
l-g	5.88793	1312.995	−59.592	328/393	320/400 A	389.090/80	70-varbel
423	C₉H₁₆		trans-2,3-Dimethylbicyclo-[2.2.1]-heptane				20558-16-1
l-g	5.97579	1408.256	−61.658	345/410	340/415 A	407.44/101.325	70-varbel
424	C₉H₁₆		2-Ethylbicyclo[2.2.1]-heptane				2146-41-0
l-g	9.78836	4305.361	134.971	349/396	340/400 C	383.046/30	73-fae
425	C₉H₁₆		cis-Hexahydroindane				4551-51-3
l-g	6.38029	1719.755	−45.703	263/367	263/375 B	365.34/10	72-finmcc
l-g	5.98394	1491.349	−66.102	365/463	365/465 A	440.98/101.325	55-camros, 72-finmcc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
426	C₉H₁₆		<i>trans</i>-Hexahydroindane				3296-50-2
l-g	6.34040	1677.989	−45.252	262/363	262/363 B	359.46/10	55-camros, 72-finmcc
l-g	5.98118	1472.509	−63.819	361/479	369/479 A	434.22/101.325	55-camros, 72-finmcc
427	C₉H₁₆		1-Nonyne				3452-09-3
l-g	6.29813	1568.193	−58.622	362/424	340/430 B	423.96/101.325	86-eiselv, 79-elvots, 89-kudgri, 89-simgri
428	C₉H₁₆		2-Nonyne				19447-29-1
l-g	5.91046	1328.559	−94.215	371/435	345/440 B	434.46/101.325	86-eiselv
429	C₉H₁₆		3-Nonyne				20184-89-8
l-g	6.24532	1537.677	−67.094	368/430	340/365 B, 365/435 A	429.79/101.325	86-eiselv, 79-elvots
430	C₉H₁₆		4-Nonyne				20184-91-2
l-g	6.36301	1607.766	−59.247	366/429	350/373 B, 373/430 A	428.23/101.325	86-eiselv, 79-elvots
431	C₉H₁₈		Butylcyclopentane				2040-95-1
l-g	8.20265	2333.762	−52.856	354/405	354/389 A	376.87/10	65-mestod
l-g	8.16137	2307.296	−54.680	385/440	385/440 A	429.51/101.325	65-mestod
432	C₉H₁₈		(1-Methylpropyl)cyclo-pentane				4850-32-2
l-g	5.79828	1363.43	−68	427.5/427.5	407/437 C	427.5/101.325	87-trcsp
433	C₉H₁₈		(2-Methylpropyl)cyclo-pentane				3788-32-7
l-g	4.04075	722.64	−66	421.1/421.1	401/431 C	421.1/101.325	87-trcsp
434	C₉H₁₈		1-Dimethyl-2-ethyl-1-cyclopentane				54549-80-3
l-g	5.71918	1285.42	−65	411.15/411.15	391/421 C	411.15/101.325	87-trcsp
435	C₉H₁₈		<i>r</i>-1-Ethyl-<i>c</i>-2, <i>t</i>-3-dimethylcyclopentane				18469-75-5
l-g	5.69994	1304.61	−65	418.15/418.15	398/428 C	418.15/101.325	87-trcsp
436	C₉H₁₈		(1.α., 2.β., 3.α.)-1-Ethyl-2,3-dimethylcyclopentane				18409-31-9
l-g	5.68837	1274.75	−65	411.15/411	391/421.15 C	411.15/101.325	87-trcsp
437	C₉H₁₈		(1.α., 2.β., 3.β.)-1-Ethyl-2,3-dimethylcyclopentane				18469-76-6
l-g	5.69994	1304.61	−65	418.15/418.15	398/428 C	418.15/101.325	87-trcsp
438	C₉H₁₈		(1.α., 2.β., 4.β.)-1-Ethyl-2,4-dimethylcyclopentane				6864-42-2
l-g	5.68668	1270.48	−65	410.15/410.15	390/420 C	410.15/101.325	87-trcsp
439	C₉H₁₈		<i>r</i>-1-Ethyl-<i>c</i>-2, <i>c</i>-4-dimethylcyclopentane				2532-63-0
l-g	5.69994	1304.61	−65	418.15/418.15	398/428 C	418.15/101.325	87-trcsp
440	C₉H₁₈		<i>r</i>-1-Ethyl-<i>c</i>-2, <i>t</i>-4-dimethylcyclopentane				2532-62-9
l-g	5.69994	1304.61	−65	418.15/418.15	398/428 C	418.15/101.325	87-trcsp
441	C₉H₁₈		<i>r</i>-1-Ethyl-<i>t</i>-2, <i>c</i>-4-dimethylcyclopentane				2532-61-8
l-g	5.68668	1270.48	−65	410.15/410.15	390/420 C	410.15/101.325	87-trcsp

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
442	C₉H₁₈		(1.α., 2.α., 3.α.)-2-Ethyl-1,3-dimethylcyclopentane				19903-00-5
l-g	5.68027	1312.37	-68	425.15/425.15	405/435 C	425.15/101.325	87-trcsp
443	C₉H₁₈		(1.α., 2.α., 3.β.)-2-Ethyl-1,3-dimethylcyclopentane				19902-99-9
l-g	5.69831	1300.35	-65	417.15/417.15	397/427 C	417.15/101.325	87-trcsp
444	C₉H₁₈		<i>t</i>-2-Ethyl-<i>r</i>-1, <i>c</i>-3-dimethylcyclopentane				19902-98-8
l-g	5.68668	1270.48	-65	410.15/410.15	390/420 C	410.15/101.325	87-trcsp
445	C₉H₁₈		3-Ethyl-1,1-dimethylcyclopentane				62016-61-9
l-g	5.71233	1268.22	-65	407.15/407.15	387/417 C	407.15/101.325	87-trcsp
446	C₉H₁₈		<i>c</i>-4-Ethyl-<i>r</i>-1, <i>c</i>-2-dimethylcyclopentane				62016-64-2
l-g	5.70318	1313.15	-65	420.15/420.15	400/430 C	420.15/101.325	87-trcsp
447	C₉H₁₈		<i>c</i>-4-Ethyl-<i>r</i>-1, <i>t</i>-2-dimethylcyclopentane				62016-66-4
l-g	5.69171	1283.28	-65	413.15/413.15	393/423 C	413.15/101.325	87-trcsp
448	C₉H₁₈		<i>t</i>-4-Ethyl-<i>r</i>-1, <i>c</i>-2-dimethylcyclopentane				62016-65-3
l-g	5.70318	1313.15	-65	420.15/420.15	400/430 C	420.15/101.325	87-trcsp
449	C₉H₁₈		1-Ethyl-1-methylcyclohexane				4926-90-3
l-g	5.8636	1397.17	-63.15	314/455	304/465 B	425.31/101.325	91-trchc
450	C₉H₁₈		<i>cis</i>-1-Ethyl-2-methylcyclohexane				4923-77-7
l-g	6.0666	1486.7	-63.15	321/458	314/468 B	429.25/101.325	91-trchc
451	C₉H₁₈		<i>trans</i>-1-Ethyl-2-methylcyclohexane				4923-78-8
l-g	6.0594	1466.21	-63.15	318/453	308/463 B	424.85/101.325	91-trchc
452	C₉H₁₈		<i>cis</i>-1-Ethyl-3-methylcyclohexane				19489-10-2
l-g	6.00945	1440.904	-61.689	348/465	340/465 A	421.58/101.325	70-dou
453	C₉H₁₈		<i>trans</i>-1-Ethyl-3-methylcyclohexane				4926-76-5
l-g	6.0592	1465.75	-63.15	318/453	308/463 B	424.15/101.325	91-trchc
454	C₉H₁₈		<i>cis</i>-1-Ethyl-4-methylcyclohexane				4926-78-7
l-g	6.063	1476.9	-63.15	319/456	309/466 B	424.15/101.325	91-trchc
455	C₉H₁₈		<i>trans</i>-1-Ethyl-4-methylcyclohexane				6236-88-0
l-g	6.043	1421.1	-63.15	310/443	302/453 C	415.1/101.325	91-trchc
456	C₉H₁₈		Isopropylcyclohexane				696-29-7
l-g	5.99323	1450.286	-63.992	343/429	335/435 A	427.70/101.325	49-fornor, 74-osbdou
457	C₉H₁₈		2-Methyl-1-octene				4588-18-5
l-g	5.84867	1344.26	-68	417.8/417.8	397/427 C	417.8/101.325	87-trcsp
458	C₉H₁₈		1-Methyl-1-(1-methylethyl)cyclo-pentane				61828-00-0
l-g	5.76922	1336.61	-66	421.15/421.15	401/431 C	421.15/101.325	87-trcsp
459	C₉H₁₈		<i>cis</i>-1-Methyl-2-(1-methylethyl)cyclo-pentane				61868-01-7
l-g	5.73835	1325.65	-66	421.15/421.15	401/431 C	421.15/101.325	87-trcsp

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
460	C₉H₁₈		<i>trans</i>-1-Methyl-2-(1-methylethyl)cyclo-pentane				61828-01-1
l-g	5.72663	1295.43	−66	414.15/414.15	394/424 C	414.15/101.325	87-trcsp
461	C₉H₁₈		<i>cis</i>-1-Methyl-3-(1-methylethyl)cyclo-pentane				61828-02-2
l-g	5.72833	1299.75	−66	415.15/415.15	395/425 C	415.15/101.325	87-trcsp
462	C₉H₁₈		<i>trans</i>-1-Methyl-3-(1-methylethyl)cyclo-pentane				61828-03-3
l-g	5.72833	1299.75	−66	415.15/415.15	395/425 C	415.15/101.325	87-trcsp
463	C₉H₁₈		1-Methyl-1-propylcyclopentane				16631-63-3
l-g	5.79244	1337.28	−66	419.15/419.15	399/429 C	419.15/101.325	87-trcsp
464	C₉H₁₈		<i>cis</i>-1-Methyl-2-propylcyclopentane				932-43-4
l-g	5.76197	1347.48	−67	425.73/425.73	405/435 C	425.73/101.325	87-trcsp
465	C₉H₁₈		<i>trans</i>-1-Methyl-2-propylcyclopentane				932-44-5
l-g	5.76222	1328	−66	419.52/419.52	399/429 C	419.52/101.325	87-trcsp
466	C₉H₁₈		<i>cis</i>-1-Methyl-3-propylcyclopentane				2443-04-1
l-g	5.76493	1335.08	−66	421.15/421.15	401/431 C	421.15/101.325	87-trcsp
467	C₉H₁₈		<i>trans</i>-1-Methyl-3-propylcyclopentane				2443-03-0
l-g	5.76493	1335.08	−66	421.15/421.15	401/431 C	421.15/101.325	87-trcsp
468	C₉H₁₈		1-Nonene				124-11-8
l-g	6.77215	1776.55	−41.25	202/312	192/322 C	420.03/101.325	86-trchc
l-g	6.0792	1436.2	−67.46	312/438	302/430 B		86-trchc
l-g	6.0792	1436.2	−67.46	438/593	430/593.2 B		86-trchc
	(2.609)	(655.8)	(−55549)				
469	C₉H₁₈		<i>cis</i>-2-Nonene				6434-77-1
l-g	6.05276	1429.520	−70.682	379/425	345/425 B	423.91/101.325	86-eiselv, 74-micelw
470	C₉H₁₈		<i>trans</i>-2-Nonene				6434-78-2
l-g	6.03851	1410.144	−73.521	379/422	345/425 B	423.19/101.325	86-eiselv, 74-micelw
471	C₉H₁₈		<i>cis</i>-3-Nonene				20237-46-1
l-g	6.04913	1422.080	−69.390	377/421	345/425 B	421.09/101.325	86-eiselv, 74-micelw
472	C₉H₁₈		<i>trans</i>-3-Nonene				20063-92-7
l-g	6.06699	1424.239	−70.605	377/420	345/425 B	421.29/101.325	86-eiselv, 74-micelw
473	C₉H₁₈		<i>cis</i>-4-Nonene				10405-84-2
l-g	6.05496	1427.676	−67.940	357/421	345/425 B	420.52/101.325	86-eiselv, 74-micelw
474	C₉H₁₈		<i>trans</i>-4-Nonene				10405-85-3
l-g	6.05658	1419.818	−70.374	358/420	345/425 B	420.87/101.325	86-eiselv, 74-micelw
475	C₉H₁₈		Propylcyclohexane				1678-92-8
l-g	6.01632	1463.39	−64.985	321/459	306/474 A	429.86/101.325	92-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
476	C₉H₁₈		1,1,2,2-Tetramethyl-cyclopentane				52688-89-8
l-g	5.6711	1250.44	-65	406.15/406.15	386/416 C	406.15/101.325	87-trcsp
477	C₉H₁₈		<i>cis</i>-1,1,2,3-Tetramethyl-cyclopentane				62016-69-7
l-g	5.64877	1261.04	-65	411.15/411.15	391/421 C	411.15/101.325	87-trcsp
478	C₉H₁₈		<i>trans</i>-1,1,2,3-Tetramethyl-cyclopentane				62016-70-0
l-g	5.64593	1234.58	-64	403.15/403.15	383/413 C	403.15/101.325	87-trcsp
479	C₉H₁₈		<i>cis</i>-1,1,2,4-Tetramethyl-cyclopentane				62016-71-1
l-g	5.64593	1234.58	-64	403.15/403.15	383/413 C	403.15/101.325	87-trcsp
480	C₉H₁₈		<i>trans</i>-1,1,2,4-Tetramethyl-cyclopentane				62016-72-2
l-g	5.64593	1234.58	-64	403.15/403.15	383/413 C	403.15/101.325	87-trcsp
481	C₉H₁₈		<i>cis</i>-1,1,2,5-Tetramethyl-cyclopentane				18938-68-6
l-g	5.65929	1268.34	-64	411.15/411.15	391/421 C	411.15/101.325	87-trcsp
482	C₉H₁₈		1,1,3,3-Tetramethyl-cyclopentane				50876-33-0
l-g	5.67771	1208.49	-62	391.11/391.11	371/401 C	391.11/101.325	87-trcsp
483	C₉H₁₈		<i>cis</i>-1,1,3,4-Tetramethyl-cyclopentane				53907-60-1
l-g	5.651	1247.23	-64	406.15/406.15	386/416 C	406.15/101.325	87-trcsp
484	C₉H₁₈		<i>trans</i>-1,1,3,4-Tetramethyl-cyclopentane				20309-77-7
l-g	5.64227	1206.43	-63	394.75/394.75	374/404 C	394.75/101.325	87-trcsp
485	C₉H₁₈		<i>trans</i>-1,2,2,3-Tetramethyl-cyclopentane				62016-73-3
l-g	5.65929	1268.34	-64	411.15/411.15	391/421 C	411.15/101.325	87-trcsp
486	C₉H₁₈		<i>r</i>-1, <i>c</i>-2, <i>c</i>-3, <i>c</i>-4-Tetramethyl-cyclopentane				2532-65-2
l-g	5.62931	1279.67	-65	418.15/418.15	398/428 C	418.15/101.325	87-trcsp
487	C₉H₁₈		<i>r</i>-1, <i>c</i>-2, <i>c</i>-3, <i>t</i>-4-Tetramethyl-cyclopentane				2532-69-6
l-g	5.61795	1250.37	-65	411.15/411.15	391/421 C	411.15/101.325	87-trcsp
488	C₉H₁₈		<i>r</i>-1, <i>c</i>-2, <i>t</i>-3, <i>c</i>-4-Tetramethyl-cyclopentane				2532-68-5
l-g	5.6062	1221.1	-65	404.15/404.15	384/414 C	404.15/101.325	87-trcsp
489	C₉H₁₈		<i>r</i>-1, <i>c</i>-2, <i>t</i>-3, <i>t</i>-4-Tetramethyl-cyclopentane				2532-64-1
l-g	5.61795	1250.37	-65	411.15/411.15	391/421 C	411.15/101.325	87-trcsp
490	C₉H₁₈		<i>r</i>-1, <i>t</i>-2, <i>c</i>-3, <i>t</i>-4-Tetramethyl-cyclopentane				2532-67-4
l-g	5.6	1206.06	-65	400.55/400.55	380/410 C	400.55/101.325	87-trcsp
491	C₉H₁₈		(1.α., 2.β., 3.β., 4.)-1,2,3,4-Tetramethyl-cyclopentane				19907-40-5
l-g	5.6062	1221.1	-65	404.15/404.15	384/414 C	404.15/101.325	87-trcsp
492	C₉H₁₈		1,1,2-Trimethylcyclohexane				7094-26-0
l-g	5.873	1396.2	-58.15	309/449	299/459 B	418.35/101.325	91-trchc
493	C₉H₁₈		1,1,3-Trimethylcyclohexane				3073-66-3
l-g	5.96655	1395.926	-57.310	327/411	325/415 A	409.74/101.325	49-fornor
494	C₉H₁₈		1,1,4-Trimethylcyclohexane				7094-27-1
l-g	5.857	1347.8	-58.15	301/437	291/447 B	408.15/101.325	91-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
495	C₉H₁₈		<i>r</i>-1, <i>c</i>-2, <i>c</i>-3-Trimethylcyclohexane				1839-88-9
l-g	6.2169	1690.4	−23.15	309/455	301/463 C	426.15/101.325	91-trchc
496	C₉H₁₈		<i>r</i>-1, <i>c</i>-2, <i>t</i>-3-Trimethylcyclohexane				7667-55-2
l-g	6.217	1688.6	−23.15	308/454	300/464 C	424.15/101.325	91-trchc
497	C₉H₁₈		<i>r</i>-1, <i>t</i>-2, <i>c</i>-3-Trimethylcyclohexane				1678-81-5
l-g	6.2135	1664.6	−23.15	304/448	294/458 B	417.15/101.325	91-trchc
498	C₉H₁₈		<i>r</i>-1, <i>c</i>-2, <i>c</i>-4-Trimethylcyclohexane				1678-80-4
l-g	6.214	1666.4	−23.15	305/449	295/459 B	421.15/101.325	91-trchc
499	C₉H₁₈		<i>r</i>-1, <i>c</i>-2, <i>t</i>-4-Trimethylcyclohexane				7667-58-5
l-g	6.215	1675.3	−23.15	306/451	298/461 C	421.15/101.325	91-trchc
500	C₉H₁₈		<i>r</i>-1, <i>t</i>-2, <i>c</i>-4-Trimethylcyclohexane				7667-59-6
l-g	6.213	1662	−23.15	304/448	296/456 D	418.15/101.325	91-trchc
501	C₉H₁₈		<i>r</i>-1, <i>t</i>-2, <i>t</i>-4-Trimethylcyclohexane				7667-60-9
l-g	6.2109	1645.2	−23.15	301/444	291/454 B	414.37/101.325	91-trchc
502	C₉H₁₈		<i>cis</i>-1,3,5-Trimethylcyclohexane				1795-27-3
l-g	7.78963	2645.142	49.728	318/343	315/340 A, 340/350 B	339.86/10	59-dykrow
503	C₉H₁₈		<i>r</i>-1, <i>c</i>-3, <i>t</i>-5-trimethylcyclohexane				1795-26-2
l-g	6.2105	1642	−23.15	301/443	294/451 D	414.37/101.325	91-trchc
504	C₉H₂₀		3,3-Diethylpentane				1067-20-5
l-g	6.9012	1910.14	−21.9	241/308	240/308 B	419.34/101.325	89-trchc
l-g	6.02359	1455.75	−57.018	308/448	308/458 B		89-trchc
505	C₉H₂₀		2,2-Dimethylheptane				1071-26-7
l-g	5.9553	1346.1	−65.15	303/433	293/443 B	405.97/101.325	89-trchc
506	C₉H₂₀		2,3-Dimethylheptane				3074-71-3
l-g	6.0257	1401	−65.15	310/441	302/449 C	413.65/101.325	89-trchc
507	C₉H₂₀		2,4-Dimethylheptane				2213-23-2
l-g	6.0122	1367	−65.15	304/433	294/443 C	406.35/101.325	89-trchc
508	C₉H₂₀		2,5-Dimethylheptane				2216-30-0
l-g	6.0177	1380	−65.15	306/436	296/446 C	409.15/101.325	89-trchc
509	C₉H₂₀		2,6-Dimethylheptane				1072-05-5
l-g	6.0159	1376.4	−65.15	306/436	296/446 B	408.37/101.325	89-trchc
510	C₉H₂₀		3,3-Dimethylheptane				4032-86-4
l-g	5.9631	1365.4	−65.15	306/438	296/448 B	410.17/101.325	89-trchc
511	C₉H₂₀		3,4-Dimethylheptane				922-28-1
l-g	6.0255	1400.5	−65.15	310/441	300/451 B	413.55/101.325	89-trchc
512	C₉H₂₀		3 5-Dimethylheptane				926-82-9
l-g	6.0168	1378.6	−65.15	306/436	296/446 B	408.85/101.325	89-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
513	C₉H₂₀		4,4-Dimethylheptane				1068-19-5
l-g	5.961	1360.2	−65.15	305/437	295/447 B	408.05/101.325	89-trchc
514	C₉H₂₀		3-Ethyl-2,2-dimethylpentane				16747-32-3
l-g	5.9735	1380.2	−59.15	302/435	292/445 B	406.99/101.325	89-trchc
515	C₉H₂₀		3-Ethyl-2,3-dimethylpentane				16747-33-4
l-g	6.0484	1450.1	−59.15	311/446	301/456 B	417.85/101.325	89-trchc
516	C₉H₂₀		3-Ethyl-2,4-dimethylpentane				1068-87-7
l-g	6.0355	1413.4	−59.15	305/437	295/447 B	409.88/101.325	89-trchc
517	C₉H₂₀		3-Ethylheptane				15869-80-4
l-g	6.0597	1415.7	−67.15	313/444	303/454 B	416.35/101.325	89-trchc
518	C₉H₂₀		4-Ethylheptane				2216-32-2
l-g	6.0559	1406.2	−67.15	311/442	301/452 B	414.35/101.325	89-trchc
519	C₉H₂₀		3-Ethyl-2-methylhexane				16789-46-1
l-g	6.0327	1397.4	−64.15	308/438	298/448 B	411.15/101.325	89-trchc
520	C₉H₂₀		3-Ethyl-3-methylhexane				3074-76-8
l-g	5.9809	1389.7	−64.15	309/442	299/452 B	413.75/101.325	89-trchc
521	C₉H₂₀		3-Ethyl-4-methylhexane				3074-77-9
l-g	6.037	1408.5	−64.15	310/441	300/451 B	413.55/101.325	89-trchc
522	C₉H₂₀		4-Ethyl-2-methylhexane				3074-75-7
l-g	6.025	1377.8	−64.15	305/434	295/444 B	406.95/101.325	89-trchc
523	C₉H₂₀		2-Methyloctane				3221-61-2
l-g	6.0366	1399.9	−69.15	313/444	303/454 B	416.43/101.325	89-trchc
524	C₉H₂₀		3-Methyloctane				2216-33-3
l-g	6.0385	1404.3	−69.15	314/445	304/455 B	417.38/101.325	89-trchc
525	C₉H₂₀		4-Methyloctane				2216-34-4
l-g	6.035	1395.9	−69.15	312/443	302/453 B	415.59/101.325	89-trchc
526	C₉H₂₀		Nonane				111-84-2
l-g	9.2671	3131.8	29.7	221/315	219.7/315 B	423.97/101.325	89-trchc
l-g	6.07356	1438.03	−70.456	315/449	315/438 A		89-trchc
l-g	6.06383	1431.82	−71.139	448/593	438/593.6 B		74-trchc
	(1.8857)	(0)	(0)				
527	C₉H₂₀		2,2,3,3-Tetramethylpentane				7154-79-2
l-g	5.95319	1397.69	−59.37	306/442	296/452 B	413.44/101.325	89-trchc
528	C₉H₂₀		2,2,3,4-Tetramethylpentane				1186-53-4
l-g	5.95552	1373.79	−58.37	301/434	291/444 B	406.18/101.325	89-trchc
529	C₉H₂₀		2,2,4,4-Tetramethylpentane				1070-87-7
l-g	5.92055	1324.65	−57.07	293/423	283/433 B	395.44/101.325	89-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
530	C₉H₂₀		2,3,3,4-Tetramethylpentane				16747-38-9
l-g	5.99105	1422.03	−57.894	308/443	298/453 B	414.71/101.325	89-trchc
531	C₉H₂₀		2,2,3-Trimethylhexane				16747-25-4
l-g	6.4275	1598.51	−42.18	191/299	181/299 B	406.73/101.325	89-trchc
l-g	5.9274	1347.4	−63.15	299/435	299/445 B		89-trchc
532	C₉H₂₀		2,2,4-Trimethylhexane				16747-26-5
l-g	6.3288	1534.36	−42.53	187/293	177/293 C	399.69/101.325	89-trchc
l-g	5.9147	1315.5	−63.15	293/427	293/437 B		89-trchc
533	C₉H₂₀		2,2,5-Trimethylhexane				3522-94-9
l-g	6.2358	1464.88	−49.46	188/293	178/293 C	397.24/101.325	89-trchc
l-g	5.97372	1332.86	−61.34	293/424	293/434 B		89-trchc
534	C₉H₂₀		2,3,3-Trimethylhexane				16747-28-7
l-g	5.9572	1381.8	−61.15	305/439	295/449 B	410.84/101.325	89-trchc
535	C₉H₂₀		2,3,4-Trimethylhexane				921-47-1
l-g	6.0163	1407.5	−61.15	307/440	297/450 B	412.11/101.325	89-trchc
536	C₉H₂₀		2,3,5-Trimethylhexane				1069-53-0
l-g	6.0148	1380.6	−60.15	302/432	292/442 B	404.51/101.325	89-trchc
537	C₉H₂₀		2,4,4-Trimethylhexane				16747-30-1
l-g	5.97755	1369.84	−58.92	300/431	290/441 B	403.81/101.325	89-trchc
538	C₉H₂₀		3,3,4-Trimethylhexane				16747-31-2
l-g	5.9984	1451.2	−59.15	314/451	304/461 B	422.6/101.325	89-trchc