

<b>COMPONENTS:</b> (1) 2-Allyl-1,3,5-trimethylbenzene; $C_{12}H_{16}$ ; [4810-05-3] (2) Water; $H_2O$ ; [7732-18-5]	<b>ORIGINAL MEASUREMENTS:</b> Englin, B.A.; Plate, A.F.; Tugolukov, V.M.; Pryanishnikova, M.A. <i>Khim. Tekhnol. Topl. Masel</i> <u>1965</u> , 10, 42-6.												
<b>VARIABLES:</b> Temperature: 20-40°C	<b>PREPARED BY:</b> A. Maczynski and Z. Maczynska												
<b>EXPERIMENTAL VALUES:</b> <p style="text-align: center;">Solubility of Water in 2-Allyl-1,3,5-trimethylbenzene</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;"><math>t/^\circ C</math></th> <th style="text-align: center;"><math>g(2)/100\ g\ sln</math></th> <th style="text-align: center;"><math>10^3\ x_2\ (compiler)</math></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">20</td> <td style="text-align: center;">0.0246</td> <td style="text-align: center;">1.15</td> </tr> <tr> <td style="text-align: center;">30</td> <td style="text-align: center;">0.0331</td> <td style="text-align: center;">1.54</td> </tr> <tr> <td style="text-align: center;">40</td> <td style="text-align: center;">0.0438</td> <td style="text-align: center;">2.04</td> </tr> </tbody> </table>		$t/^\circ C$	$g(2)/100\ g\ sln$	$10^3\ x_2\ (compiler)$	20	0.0246	1.15	30	0.0331	1.54	40	0.0438	2.04
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<b>AUXILIARY INFORMATION</b>													
<b>METHOD/APPARATUS/PROCEDURE:</b> Component (1) was introduced into a thermostatted flask and saturated for 5 hr. with (2). Next, calcium hydride was added and the evolving hydrogen volume measured and hence the concentration of (2) in (1) was evaluated.	<b>SOURCE AND PURITY OF MATERIALS:</b> (1) Not specified. (2) Not specified.  <b>ESTIMATED ERROR:</b> Not specified.  <b>REFERENCES:</b>												